

2021 ANNUAL REVIEW



University of
South Australia



Hon Susan Close MP
Deputy Premier
Minister for Industry, Innovation and Science
Level 13, 200 Victoria Square
Adelaide SA 5000
30 June 2022

Dear Minister,

In accordance with the requirements of regulations under Part 4, Section 18 – Annual Report of the *University of South Australia Act 1990*, it gives me great pleasure to submit for your information and presentation to Parliament the University of South Australia 2021 Annual Review and Financial Statements, for the year ending 31 December 2021.

The University Council approved the Annual Review and the Financial Statements at its meeting on 10 May 2022.

Yours sincerely,



Ms Pauline Carr
Chancellor

Your feedback

We welcome any comments or suggestions on the content or layout of this report. Please contact the Senior Writer on:

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Email: susan.lamont@unisa.edu.au

Further information

This report, as well as past annual reports, are available on our website unisa.edu.au/publications

For hard copies of this report write to:

Reception
Chancellery
University of South Australia
GPO Box 2471, Adelaide South Australia 5001



Acknowledgement of Country

UniSA respects the Kaurna, Boandik and Barngarla peoples spiritual relationship with their country.

Artist: Ngupulya Pumani

Find out more about the University's commitment to reconciliation at unisa.edu.au/RAP



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CHANCELLOR'S REPORT



There is one certainty about uncertain times and that is disruption and change will interrupt the normal flow of operations. In 2021, while the world was learning to slow down because of the global pandemic, UniSA took the opportunity to strengthen our research and our teaching. The University brought both together, the best of our teaching and research to shape business and community prosperity in South Australia and beyond.

UniSA is an innovative and energetic university with a commitment to its students, to its staff and to the communities it serves. That commitment is simply to create and apply new knowledge and to contribute that knowledge through its students.

While we were forging ahead with our plans to make an even greater contribution to the national and international economies with our research and through our innovative, skilled and highly regarded graduates, like many of our public university counterparts we were also being constrained by the insecurity of higher education funding. It is a testament to the experience and strong capabilities of the members of our Council and the talent and business acumen of our senior management group that we were successful in maintaining our focus on the growth of this institution with little interruption.

In 2021 despite all the obstacles, UniSA created great new knowledge which is helping solve a range of global problems while informing UniSA's current teaching programs.

Our plans continue apace. We have focused on being a world-renowned University and being only 30 years old we are already considered one of the world's best young universities by the ratings agencies. With our plans in place our staff will ensure our curriculum is informed by cutting-edge research to prepare our students for their careers of the future. We are streamlining our relationships with industry, businesses, First Nations Peoples and community partners so that we can all help drive economic growth and sustainable development.

It is a very exciting place to be!

A handwritten signature in blue ink, which appears to read 'P. Carr', is placed above the printed name of the Chancellor.

Ms Pauline Carr
Chancellor

VICE CHANCELLOR'S REPORT



In 2021, in the face of the world's biggest disruption to human endeavor, UniSA made radical changes to the way it operates. That's just us; Australia's University of Enterprise. While the global pandemic shut doors and quieted the running of businesses the world over, we used the time to remodel our institution. Our staff rose to every challenge and were Unstoppable.

When we set out our Strategic Plan – Enterprise 25 - back in 2018, we determined that by 2025 we would be nationally and globally competitive with programs in the world's top 100, a reputation for conducting interdisciplinary research that not only helps solve the world's problems but informs the teaching we give our students. We are young and agile and planned to be capable of holding the world's focus for innovation.

We took major steps towards our goals during the quiet times of 2021. We also turned 30. Reaching that age as a human tends to focus the mind; it does the same thing for institutions. So in 2021 we pulled off two major feats:

We launched the *UniSA Academic Enterprise Plan (2021-2025)* to support UniSA's flagship academic programs being ranked among the world's best by 2025. We plan to have a reputation locally, nationally and internationally for educational innovation through a transformational change in how we teach, in how students engage with the University of South Australia and how we guarantee top quality curricula.

One of the key projects will be enabling a more flexible student journey by supporting and growing staff to enable them to conduct their teaching and research more effectively, to benefit students who will be able to more easily switch between on-campus and online studies.

While everyone else was hunkered down trying to keep doing business as usual, we also launched a brand-new initiative, the UniSA Enterprise Hub through an online gateway, with a physical shopfront in Light Square to follow in 2022.

The Enterprise Hub is a space where research meets education. It will make it easy for businesses, industry and community groups to partner and collaborate with the University on research and business innovation projects.

The Enterprise Hub will unite people with UniSA researchers, educators and students on activities that solve real problems, drive progress and shape business and community prosperity in South Australia and beyond. It will allow clients to leverage UniSA's considerable industry partnerships experience and expertise, giving them an edge to innovate and add value through access to technology, world-leading research and researchers, student and graduate talent, as well as professional development.

For 135 years before we became a university in 1991, our antecedent institutions had responded to the needs of the community through their teaching and research. In our 30th year we continued that legacy and worked to ensure that UniSA's future as Australia's University of Enterprise was secured.

Professor David Lloyd
Vice Chancellor and President

2021 AT A GLANCE



37,873

STUDENTS

22,427 female

8,043 low SES domestic

6,172 aged 21 and under
(commencing undergraduate)

5,496 mature-aged learners
(commencing undergraduate)



7

ACADEMIC UNITS

UniSA Allied Health & Human Performance

UniSA Business

UniSA Clinical & Health Sciences

UniSA Creative

UniSA Education Futures

UniSA Justice & Society

UniSA STEM



6

CAMPUSES

City East

City West

Magill

Mawson Lakes

Mount Gambier

Whyalla



5,519

INTERNATIONAL STUDENTS



5,259

INTERNATIONAL STUDENTS ONSHORE



83

STUDENT EXCHANGE PARTNER INSTITUTIONS



2,832*

STAFF POPULATION

*Actual headcount



233,534

UNIVERSITY ALUMNI



7,537

PARCHMENTS AWARDED

KEY STATISTICS

	2014	2015	2016	2017	2018	2019	2020	2021
NUMBER OF STUDENTS								
Total	32,647	32,079	31,930	31,966	33,813	35,330	37,941	37,873
Commencing	12,616	12,122	12,129	12,484	14,073	14,370	15,590	14,407
STUDENT LOAD (EFTSL)*								
Total	22,495	22,264	22,268	22,142	22,976	24,406	25,768	24,850
Undergraduate	18,617	18,454	18,616	18,557	19,157	20,158	21,340	21,229
Postgraduate	3,878	3,810	3,652	3,585	3,819	4,248	4,428	3,620
STUDENT LOAD BY FUNDING SOURCE (EFTSL)								
Commonwealth Grant Scheme	16,831	16,942	17,017	17,119	17,607	18,333	19,502	19,933
Commonwealth Research Training Scheme	573	550	492	500	464	475	482	466
Domestic fee paying	467	477	468	437	422	394	451	410
International onshore	3,887	3,839	3,963	3,933	4,312	5,021	5,134	3,880
Transnational	731	449	321	148	164	177	194	157
AWARD COMPLETIONS								
Total	8,193	7,452	7,339	7,378	7,180	6,986	7,336	7,537
Undergraduate	5,536	5,021	4,990	5,208	4,973	4,754	5,008	5,149
Postgraduate	2,657	2,431	2,349	2,170	2,207	2,232	2,328	2,388
STAFF (FTE)								
Total	2,641	2,596	2,492	2,595	2,642	2,675	2,740	2,598
Academic	1,127	1,126	1,061	1,122	1,131	1,143	1,161	1,174
Professional	1,515	1,470	1,431	1,473	1,511	1,532	1,579	1,424
FINANCIALS								
Consolidated operating result (\$M)	29.7	55.9	40.5	13.2	19.5	21.3	21.3	53.3
Safety margin	5.1%	9.2%	6.6%	2.2%	3.0%	3.1%	3.1%	7.8%
Net assets (\$M)	1,009.2	1,071.0	1,174.0	1,188.8	1,209.2	1,250.2	1,282.9	1,382.7
Total assets (\$M)	1,648.7	1,673.4	1,770.0	1,786.7	1,796.4	1,906.0	1,924.5	1,971.0
Total revenue (\$M)	584.2	607.6	609.3	610.8	658.5	685.7	696.4	678.8

Notes:

*Student load by funding source.

Load is expressed as Equivalent Full Time Student Load (EFTSL).

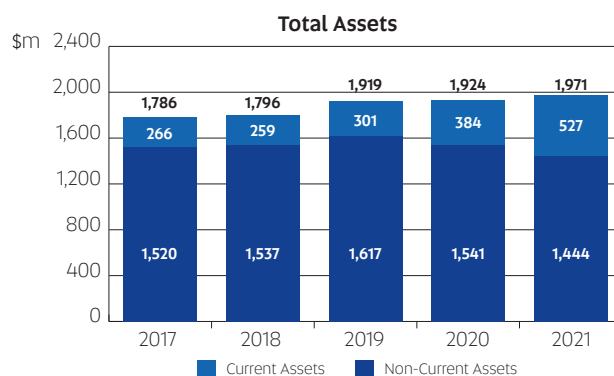
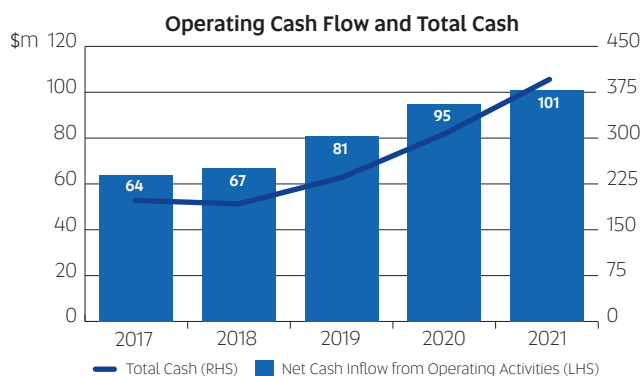
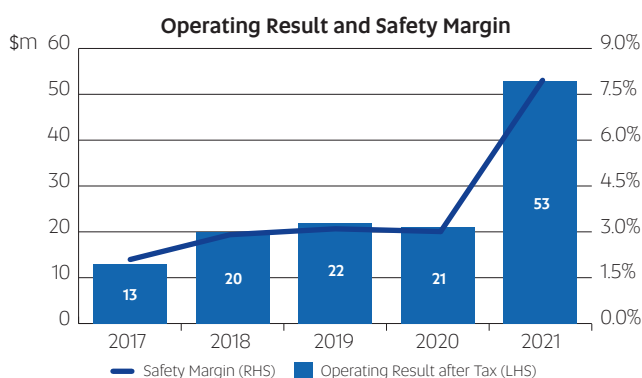
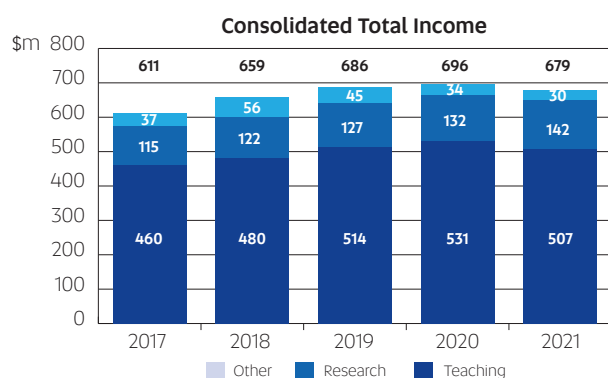
Staff figures are full-time equivalent positions of full-time and part-time continuing and fixed term staff as at 31 March 2021.

2021 student data are preliminary as of 7 April 2022.

FINANCIAL OVERVIEW

	CONSOLIDATED		UNIVERSITY	
	2021	2020	2021	2020
	\$M	\$M	\$M	\$M
SUMMARY STATEMENT OF COMPREHENSIVE INCOME				
Operating Income	678.8	696.4	677.3	696.1
Employee Related Expenses	409.1	435.1	407.7	432.9
Non-salary Expenses	216.4	240.0	216.8	242.1
Operating Expenses (incl. Income Tax)	625.5	675.1	624.5	675.0
Operating Result after Income Tax	53.3	21.3	52.8	21.1
Safety Margin ¹	7.8%	3.1%	7.8%	3.0%
SUMMARY STATEMENT OF FINANCIAL POSITION				
Current Assets	526.6	383.8	522.9	381.2
Non-current Assets	1,444.5	1,540.7	1,447.0	1,542.1
Total Assets	1,971.0	1,924.5	1,969.9	1,923.4
Current Liabilities	263.1	260.9	261.9	260.9
Non-current Liabilities	325.3	380.7	325.3	380.7
Total Liabilities	588.3	641.6	587.2	641.6
Net Assets	1,382.7	1,282.9	1,382.7	1,281.7
SUMMARY STATEMENT OF CASH FLOWS				
Net Cash Flows from Operating Activities	100.7	94.9	100.2	94.8
Net Cash Flows from Investing Activities	(6.3)	(16.0)	(7.6)	(15.7)

¹ Safety Margin: Operating Result after Income Tax ÷ Operating Income



FINANCIAL SUMMARY

In 2021 UniSA achieved an Operating Result of \$53.3 million equating to 7.8% of Operating Income (2020: 3.1%). Against the backdrop of uncertainty generated by COVID-19, the University implemented savings measures during 2021 to support its ongoing financial sustainability. As part of a workforce-preservation strategy, these savings measures targeted non-salary expenditure and included a reduction in Travel, Accommodation, and Entertainment expenditure.

Consolidated Operating Income decreased by \$17.6 million to \$678.8 million (2020: \$696.4 million). Teaching Income decreased by \$24.0 million or 4.5%. A reduction in Fee-Paying Overseas Students (FPOS) due to the ongoing impact of COVID-19 on international student numbers was partly offset by strong student growth in Commonwealth Supported Places (CSP). Research Income grew by \$10.5 million or 79% due to an additional \$17.3m in Research Block Grant (RBG) funding.

In early 2020, the Australian Government implemented travel restrictions and other measures to manage the risks from the spread of the coronavirus (COVID-19). These measures remained in place throughout 2020 and much of 2021 with travel restrictions relaxed on international students in December 2021. These measures impacted international students in particular by preventing many from studying in Australia and reduced the University's FPOS Revenue in 2021 by 22.8% to \$114.6m (2020: \$148.5m).

The consolidated financial position remains strong, with Net Assets increasing by \$99.8 million or 7.8% to \$14 billion including a \$92.1 million increase in Total Cash to \$395.3 million at 31 December 2021 (2020: \$303.2 million). Notwithstanding the relaxation of travel restrictions on international students in late 2021, the effects of COVID-19 will continue to impact the University's financial position and operating result for the 2022 year.



30

UNSTOPPABLE
YEARS 1991 – 2021

2021 IN SHORT

We turned 30.

In 2021 the University of South Australia (UniSA) turned 30 capping a rich history dating back to 1856 shortly after the proclamation of the new colony of South Australia.

Throughout that history, the antecedent institutions that became known as the University of South Australia became known as places that responded to the needs of the community. In 1991 when we took on university status we were given a mission: “to preserve, extend and disseminate knowledge through teaching, research, scholarship and consultancy, and to provide educational programs that will enhance the diverse cultural life of the wider community.”

The University of South Australia is Australia's University of Enterprise. Our research works harder than most. Our graduates are considered the best people for the job.

New plan brings together UniSA's ambitions for teaching and research

Australia's economic transformation and global reputation will inevitably depend upon universities ensuring that cutting-edge research is integrated into and shapes higher education curricula.

In 2021 we launched the *UniSA Academic Enterprise Plan (2021-2025)* which aims for UniSA's flagship academic programs to be ranked among the world's best by 2025. We plan to have a reputation locally, nationally and internationally for educational innovation through a transformational change in how we teach, in how students engage with the University of South Australia and how we guarantee top quality curricula.

One of the key projects will be enabling a more flexible student journey by supporting and growing staff to enable them to conduct their teaching and research more effectively, to benefit students who will be able to more easily switch between on-campus and online studies.

In 2021 despite all the obstacles, UniSA created great new knowledge which is helping solve some global problems while informing UniSA's current programs.

The perfect partnership

UniSA has always been acknowledged as a national and international leader in partnered research, and research impact and engagement. To give access to our ideas, our research and our innovation, in 2021, we launched the UniSA Enterprise Hub through an online gateway, with a physical storefront in Light Square to follow in 2022.

A space where research meets education, the Enterprise Hub will make it easy for businesses, industry and community groups to partner and collaborate with the University on research and business innovation projects.

The Enterprise Hub will unite people with UniSA researchers, educators and students on activities that solve real problems, drive progress and shape business and community prosperity in South Australia and beyond.

It will also co-locate the experience and expertise of UniSA Ventures, Research and Innovation Services (RIS) and the Innovation and Collaboration Centre (ICC), whose work ranges from supporting startups to mature business regeneration and commercialisation.

The Enterprise Hub will allow clients to leverage UniSA's considerable industry partnerships experience and expertise, giving them an edge to innovate and add value through access to technology, world-leading research and researchers, student and graduate talent, as well as professional development.



What the ratings agencies say about UniSA



STILL ONE OF THE WORLD'S BEST YOUNG UNIVERSITIES

#45 in THE's 2021 Young University Rankings (Top 10 in Australia)

#29 QS 2021 Top 50 Universities Aged Under 50



#1 IN SOUTH AUSTRALIA FOR GRADUATE CAREERS

CompareED (QILT) Graduate Outcomes Survey 2019-21 – Fulltime Employment Indicator (Undergraduate), Public SA-founded universities only.



#1 IN SOUTH AUSTRALIA FOR STUDENT SATISFACTION

CompareED (QILT) Course Experience Questionnaire 2020-21 – Overall Satisfaction Indicator (Undergraduate), Public SA-founded universities only.



#1 IN SOUTH AUSTRALIA FOR EMPLOYER SATISFACTION

2020 QILT Employer Satisfaction Survey – Overall Satisfaction Indicator.



#1 IN SOUTH AUSTRALIA FOR GRADUATE EMPLOYABILITY

#4 IN AUSTRALIA

2020 QILT Employer Satisfaction Survey – Graduate Employability Skills Indicator.



OVERALL 5 STAR PLUS RATING FOR EXCELLENCE

Australia's youngest university with a 5-star rating plus for excellence

2020 QS Stars rating



RATED 5 STARS FOR EXCELLENCE IN RESEARCH, EMPLOYABILITY, TEACHING, FACILITIES, INTERNATIONALISATION, INCLUSIVENESS & INNOVATION

2020 QS Stars rating



#1 IN AUSTRALIA FOR INDUSTRY RESEARCH INCOME

2021 THE World University Rankings



#1 IN AUSTRALIA FOR RESEARCH IMPACT AND ENGAGEMENT

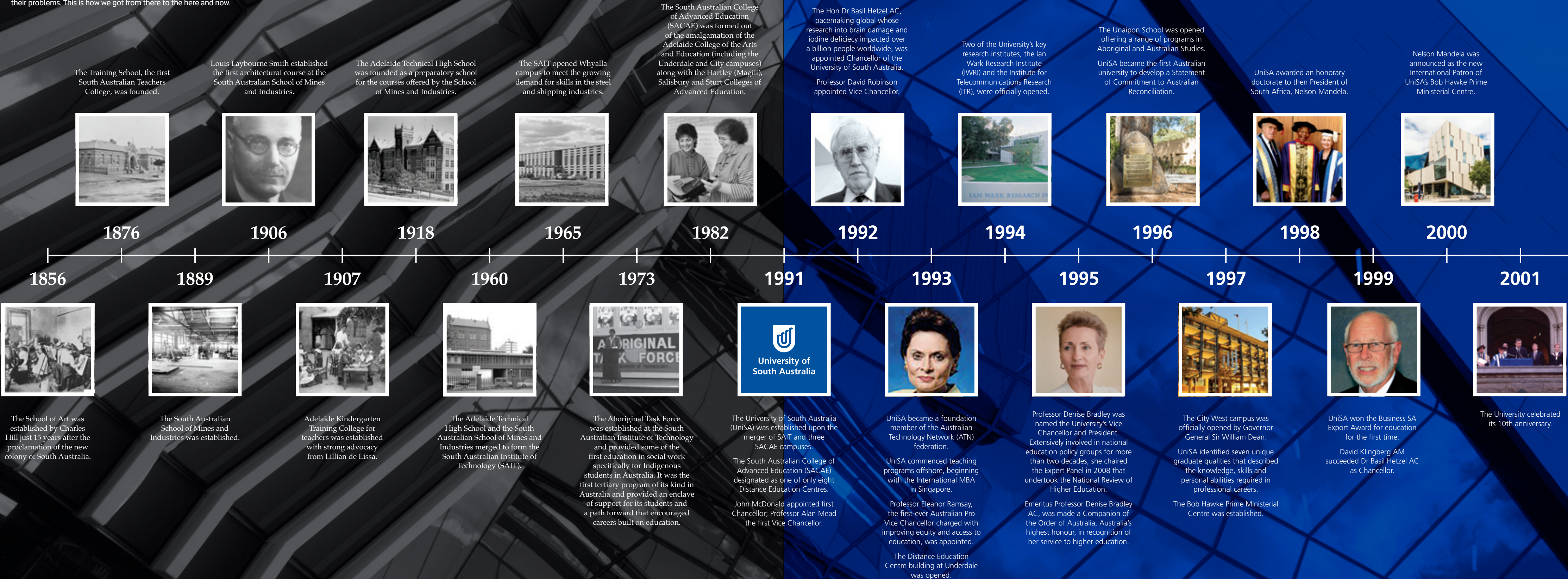
2018 ARC Engagement and Impact Assessment (EI), Combined Impact- Approach to Impact and Engagement on Assessed Fields.

For 30 years we have been Unstoppable. But we began 135 years before that.

Although we were established in 1991 as a University, our roots go back to 1856 when our antecedent institutions – The South Australian School of Art, several Teacher Training Colleges and the School of Mines and Industries – began providing quality education and innovative research solutions for the growing colony of South Australia.

In 1903 when Sir Frederick Holder opened the new building for the School of Mines and Industries, he referred to the School for the first time as ‘the people’s university’ and added, “there is no public institution in the State which had a greater hold on the interests and the heart of the public”.

In the 165 years since then we have never lost sight of that public and our responsibility to educate them and to find solutions to their problems. This is how we got from there to the here and now.



UniSA was named the leading provider of offshore programs in Australia by IDP.

FedSat, Australia's experimental satellite developed by the CRC for Satellite Systems and including UniSA-designed payloads, was launched.

The UniSA Northern Adelaide Partnerships (UNAP) program was established to underpin economic and social development and improve education participation in severely disadvantaged communities.

The University of South Australia Business School became only the second in Australia to receive European Quality Improvement System (EQUIS) accreditation.

UniSA received \$10 million in funding from the Australian Government to establish a Chair in Child Protection at the University.

UniSA won the Institutional Award from the Australian Learning and Teaching Council for Provision of Services to the Community.

The Australian Minerals Science Research Institute (AMSRI) was officially opened.

The Royal Australian Institute of Architects awarded the nation's highest accolade for a public building to UniSA's Kaurna Building.

UniSA was awarded \$40 million through the Federal Government's Education Investment Fund to help build the \$73 million building to house the Materials and Minerals Science Learning and Research Hub at Mawson Lakes.

Dr Ian Gould, a resources industry professional, was appointed as the University's new Chancellor following the retirement of David Klingberg AM.

The UniSA College was launched to offer more opportunities for South Australians to gain access to tertiary education.

UniSA joined forces with the International Space University in Strasbourg, France, to bring world-class space education to the southern hemisphere.

The second Excellence in Research Australia (ERA) assessment rated more than 86 per cent of UniSA's research as world-class or better.

Chemist, researcher and Irish university leader, Professor David Lloyd, is appointed as the University of South Australia's new Vice Chancellor and President.

In April the University's \$85 million Jeffrey Smart Building was officially opened, featuring eight floors spanning 12,480m² with the latest technologies and cutting edge learning spaces.

UniSA partnered with the Institute for Choice to bring global experts together in the science of human choice behaviour; and was announced as the national headquarters for an \$88 million Data to Decisions CRC.

Jim McDowell succeeded Dr Ian Gould AM as the University's Chancellor.

Future Industries Institute (FII) was officially launched.

Professor Irene Watson was appointed as the first Pro Vice Chancellor: Aboriginal Leadership and Strategy, and Unaipon Chair.

Investment banker, Chairman of the Sydney Swans Board and UniSA Alumnus, Andrew Pridham, presented a \$5 million philanthropic gift to support construction of the new great hall. The largest single private donation in the University's 25 year history, the multipurpose facility was named Pridham Hall.

Major new infrastructure opened when UniSA launched two new buildings. Pridham Hall and the University of South Australia Cancer Research Institute were both opened in May 2018.

UniSA launched its Enterprise25 plan, to re-shape and review programs to ensure they are leading-edge, end user endorsed and that are all ranked among the best in the world.

In September, UniSA appointed a new Chancellor, Ms Pauline Carr. With more than 30 years' management and commercial experience in the resources industry.

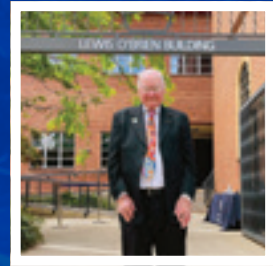
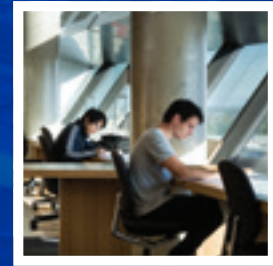
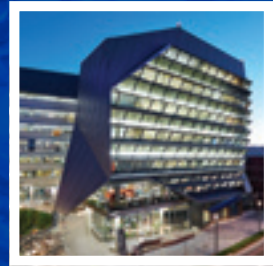
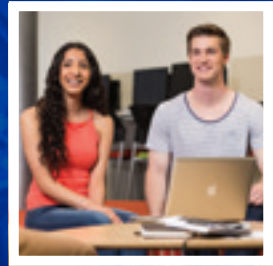
The University continued to feature in the world's top 50 under 50 in both THE (#25) and QS (#29), solidifying our status as one of the best young universities.

UniSA business education and research earned the Association to Advance Collegiate Schools of Business (AACSB) international business accreditation. This was coupled with a full five-year reaccreditation from the leading international network for management development (EFMD).

Towards the end of our 30th birthday year we honoured the legacy of a leading Kaurna thinker, philosopher and educator and re-named our Law Building the Lewis Yarlupurka O'Brien building.

The Lewis O'Brien Building will be the future home of UniSA's Aboriginal Knowledges Centre, a community gathering space to foster cultural connections and knowledge sharing.

We were once again ranked amongst the top young universities in the world and ranked as the number 1 university in South Australia for graduate careers.



2002

2004

2006

2008

2010

2012

2014

2016

2018

2020

2022

2003

2005

2007

2009

2011

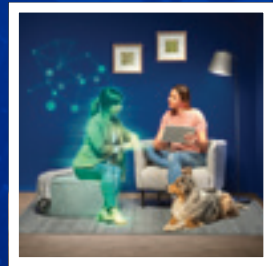
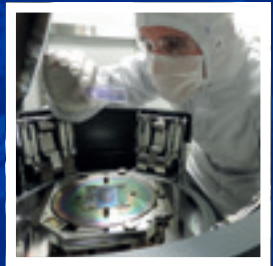
2013

2015

2017

2019

2021



UniSA was named an Employer of Choice for Women for the first time.

UniSA was ranked in the top 200 universities worldwide by The Times Higher Education Supplement.

The University launched four new research institutes – the Ehrenberg Bass Institute for Marketing Science, the Sansom Institute for Health Research, the Hawke Research Institute for Sustainable Society, and the Institute for Sustainable Systems and Technologies (since renamed the Barbara Hardy Institute).

The UniSA Mount Gambier Regional Centre was opened and the Centre for Regional Engagement established.

Professor Peter Høj joined UniSA as Vice Chancellor and President of the University following Emeritus Professor Denise Bradley's retirement.

UniSA graduated its 100,000th student, Charlotte Mukamuberwa, a Rwandan refugee now with a Bachelor of Commerce degree.

The UniSA-based Centre for Muslim and Non-Muslim Understanding was launched in India by then Minister of Education and future Prime Minister, Julia Gillard.

In the 2011 QS World University Rankings, the University of South Australia showed the biggest improvement of any Australian university for the second year running to be ranked 11th in Australia.

UniSA ranked in the world's top 50 under 50 years of age by both the QS and THE world university rankings. We also ranked in the THE's global Top 100 for engineering and technology.

UniSA's MBA program was one of only three nationally to win a five-star rating for the sixth consecutive year from the Good Universities Guide.

An alliance with SA Pathology was announced, supporting the growth of one of Australia's top cancer research centres.

The University was appointed lead partner of a new Cooperative Research Centre for Cell Therapy Manufacturing

UniSA was ranked as one of the world's best young universities. Excellence in Research Australia rated 97 per cent of our assessed research as world-class or above.

UniSA entered into a significant relationship with the University College London to establish our Future Industries Institute (FII).

UniSA also opened the Innovation Collaboration Centre at City West in partnership with Hewlett Packard Enterprise

Times Higher Education (THE) rated the university as #32 in their list of the world's best young universities ranked by THE as #9 in Australia, of universities of any age. UniSA's Law School, in only its 10th year, was ranked as one of the world's best at #88 and the best in South Australia.

Quality Indicators for Learning and Teaching (QILT) rated UniSA as #1 in South Australia for graduate careers and for student satisfaction.

In 2017 UniSA developed a new suite of high-quality, 100 per cent online undergraduate courses that can be studied anytime, anywhere.

UniSA became the lead institution heading up a new Cooperative Research Centre for Smart Satellite Technologies and Analytics – The SmartSat CRC.

The SmartSat CRC will be the biggest investment in space industry R&D in Australia's history, playing a key role in meeting the Australian Space Agency's goal to triple the size of Australia's domestic space industry to \$12 billion, generating an extra 20,000 jobs by 2030.

UniSA introduced a program-focused organisational structure, ensuring that we continue to deliver quality teaching, research and student outcomes.

In 2021, UniSA celebrated 30 unstoppable years. Since 1991, we have been continuously recognised as one of the world's best young universities by both THE and QS, and ranked #1 in South Australia for graduate outcomes, student satisfaction, campus facilities, student services and teaching quality by QILT.

A significant educational figure in the University's history was also honoured this year – the late Emeritus Professor Denise Bradley AC. She became the namesake of the Bradley Building located on North Terrace.

A man in a dark blue and light grey jacket is seen from the back, wearing a VR headset. He is looking towards a blurred background where another person is sitting on a sofa. A small screen on a stand is visible in the middle ground, displaying a blue interface. The setting appears to be a modern, dimly lit lounge or office space with a brick wall and a dartboard in the background.

PROGRAMS

The first step towards a successful career

As the University for South Australians, and Australia's University of Enterprise, we developed a strategic plan that brings together the best of our education and research to shape business and community prosperity in South Australia and beyond.

Across our seven Academic Units — UniSA Allied Health and Human Performance; UniSA Business; UniSA Clinical and Health Sciences; UniSA Creative; UniSA Education Futures; UniSA Justice and Society; and UniSA STEM, our programs are now informed by research and our industry partners to ensure that our graduates are prepared for careers of the future.



UniSA IS UNSTOPPABLE IN HEALTH



Adrian Esterman – the ultimate media performer

Adrian Esterman, a UniSA biostatistician, epidemiologist and a former World Health Organization consultant, made an extraordinary contribution to public health in 2021.

Not only did he help to educate millions of people around the world about COVID-19 in a very measured, factual and clear manner, but he has helped raise the profile of UniSA considerably.

Since the start of the pandemic, Professor Esterman has notched up more than 7,500 media mentions worldwide (more than 5,000 in 2021), reaching an audience of 80 million people since the outbreak of COVID-19. And we're not just talking about Australia. He regularly does interviews with the BBC, CNN, China Daily, Washington Post, Agence France-Presse, and a host of other global media organisations.



UniSA Research Professor John Hayball

Next gen COVID-19 vaccine accelerated

Adelaide-based biotechnology company Sementis accelerated its work on its next generation Covid-19 vaccine, developed locally in partnership with UniSA.

Sementis Ltd is developing its next-generation vaccine in partnership with University of South Australia Immunology and Vaccinology Research Professor John Hayball, based on the Sementis Copenhagen Vector (SCV) platform.

The vaccine has been in development since March 2020.

In May 2021, Prof Hayball, who is also Sementis' Chief Scientific Officer, was officially awarded \$2.9 million via the Federal Government's Medical Research Future Fund (MRFF) to fast-track human clinical trials of the Sementis vaccine within the next 18 months.

The \$10 million rights issue will further support the extensive research and development work required on the vaccine, including how to manufacture it locally.

New drug offers hope for pancreatic cancer patients

A world first drug developed by UniSA scientists may provide the breakthrough for 500,000 other people currently battling pancreatic cancer.

Around 90 per cent of patients die within five years, a statistic that UniSA Head of Drug Discovery and Development, Professor Shudong Wang is hoping to reverse.

Taken as an oral capsule, Auceliciclib is already demonstrating great potential in clinical trials to treat glioblastoma, the most aggressive form of brain cancer. Prof Wang, a world-renowned cancer researcher, is now hoping to recruit pancreatic cancer patients for a clinical trial of the drug.

The University has launched a matched-funds campaign to seek support for the trial.

Novel nanotech improves cystic fibrosis antibiotic by 100,000-fold

World-first nanotechnology developed by the University of South Australia could change the lives of thousands of people living with cystic fibrosis (CF) as groundbreaking research shows it can improve the effectiveness of the CF antibiotic Tobramycin, increasing its efficacy by up to 100,000-fold.

The new technology uses a biomimetic nanostructured material to augment Tobramycin – the antibiotic prescribed to treat chronic Pseudomonas aeruginosa lung infections in severe cases of CF – eradicating the infection in as little as two doses.

In Australia, cystic fibrosis (CF) affects one in 2,500 babies – or one baby born every four days – causing severe impairments to a person's lungs, airways and digestive system, trapping bacteria and leading to recurrent infections. Lung failure is the major cause of death for people with CF.

The UniSA research team, which includes Professor Clive Prestidge, Dr Nicky Thomas, and PhD candidate, Chelsea Thorn, says the discovery could transform the lives of people living with CF.

Novel 3D printed stents deliver breakthrough treatment for oesophageal cancer

World-first 3D printed oesophageal stents developed by the University of South Australia could revolutionise the delivery of chemotherapy drugs to provide more accurate, effective and personalised treatment for patients with oesophageal cancer.

Fabricated from polyurethane filament and incorporating the chemotherapy drug 5-fluorouracil (5-FU), the new oesophageal stents are the first to contain active pharmaceutical ingredients within their matrix.

Their unique composition allows them to deliver up to 110 days of a sustained anti-cancer medication directly to the cancer site, restricting further tumour growth.

Importantly, the capabilities of 3D printing enabling rapid creation of individually tailored stents with patient-specific geometries and drug dosages.

The new drug-loaded oesophageal stents can help prevent further blockages by administering anti-cancer drugs directly to the tumour, limiting further growth while relieving the pressure of dysphagia.

The new drug-loaded 3D printed oesophageal stents are stable to both UV and gamma sterilization processes.

UniSA awarded \$5.2 million in NHMRC Ideas Grants

Four UniSA researchers have collectively won \$5.2 million in Federal Government funding to tackle some of the biggest health issues facing Australia today.

Centre for Cancer Biology researchers **Dr Guillermo Gomez**, **Professor Yeesim Khew-Goodall** and **Professor Claudine Bonder**, along with **Professor Allison Cowin** from UniSA's Future Industries Institute, share the NHMRC Ideas Grants funding.

The money will fund three-year research projects into glioblastoma, breast cancer, diabetic foot ulcers and multiple myeloma.

Dr Guillermo Gomez was awarded \$2 million to develop a new treatment for glioblastoma, the most aggressive form of brain cancer with a survival rate of just 15 months.

A \$1.1 million project awarded to UniSA Professor Yeesim Khew-Goodall will help younger women diagnosed with the most aggressive form of breast cancer to overcome chemotherapy resistance, improving their survival chances.

Professor Allison Cowin will use her \$1.2 million grant to develop biochemical tools which can predict whether diabetic patients will develop chronic foot ulcers, which affect approximately 165 million people worldwide.

Professor Claudine Bonder was awarded \$908,000 to develop better prognostic tools for more effective treatments for multiple myeloma, an incurable aggressive bone marrow cancer that arises from plasma cells.

The Ideas Grant scheme is designed to support innovative health and medical research in any area from discovery to implementation. The four UniSA research projects were among 248 announced across Australia as part of the scheme, collectively awarding \$239 million in funding.

Small 'window of opportunity' for best recovery after stroke

UniSA researchers found that the daily therapy dedicated to upper limb recovery for stroke patients is inadequate.

An international study showed, for the first time, that the capacity of the human brain to recover and rewire itself peaks around two weeks after a stroke and diminishes over time.

The finding, published in the *Neurorehabilitation and Neural Repair* journal, is the result of a study in London and Adelaide that followed the recovery of 60 stroke patients up to one year after their stroke.

Lead author UniSA's **Dr Brenton Hordacre**, said the multi-site study showed conclusive evidence that the brain only has a small window of opportunity to more easily repair itself after stroke.

The researchers scanned the brains of stroke survivors as they recovered over 12 months. They found that in the initial days following an ischemic stroke (caused by a blocked artery to the brain), the brain has a greater capacity to modify its neural connections and its plasticity is increased.

Sport may fast-track numeracy skills for Indigenous children

Greater sports participation among Aboriginal and Torres Strait Islander children is linked with better academic performance, according to new research from the University of South Australia.

Lead researcher, UniSA's **Dr Dot Dumuid**, said the study highlights the importance of sports as a strategy to help close the gap for Australia's first nations peoples.

Conducted in partnership with the University of Sydney and the University of Technology Sydney, the world-first study found that Aboriginal and Torres Strait Islander children who played organised sports every year over four years, had numeracy skills which were advanced by seven months, compared to children who did less sport.

The study used data from four successive waves of Australia's Longitudinal Study of Indigenous Children, following 303 students (with a baseline age of five to six years old) to assess cumulative sports participation against academic performance in standardised NAPLAN and PAT outcomes.

Sports participation has been linked with better cognitive function and memory in many child populations, but this is the first study to confirm the beneficial association between ongoing involvement in sport and academic performance among Aboriginal and Torres Strait Islander children.

UN's Person Of The Year

UniSA graduate **Wawira Nijuru** (right), has been named United Nations Person of the Year in Kenya. Wawira is the founder of **Food4Education**, a non-profit organisation that has provided over six million meals to children from vulnerable families since its launch in 2016.

Giving a voice to child victims of family abuse and neglect

Children with documented child protection concerns are four times as likely to die before they reach their 16th birthday, according to confronting new research from the University of South Australia.

Lead researcher, UniSA's Professor Leonie Segal says the excess risk of death is extreme.

The world first study identifies the extreme seriousness of familial child abuse and neglect, measuring for the first time the excess risk of death that children with documented child protection concerns face.

The study found that children with the most serious child protection concerns those who had ever been placed in out-of-home care were five times as likely to die before their 16th birthday than children with no child protective system contact. A minority of these deaths (27%) occurred while the child was in care.

Published in JAMA (Journal of the American Medical Association) Open, the study analysed deidentified data on more than 600,000 children born in South Australia between 1986 and 2017, comparing the death rates of children who had documented child protection concerns recorded by the SA Department for Child Protection, and children with no such concerns.

While all children encountering the child protection system were at increased risk, boys with child protection concerns were more than four times as likely to die before the age of 16 than boys with no documented child protection concerns; the excess risk for girls was also high at 3.4 times.



Wawira Nijuru, helping feed the children of Kenya.

More exercise, fewer screens: New Australian guidelines for kids in OSHC

Groundbreaking research from the University of South Australia delivered world-first national-level guidelines to better inform children's physical activity and screen time in Outside School Hours Care (OSHC).

UniSA PhD candidate Rosa Virgara and Professor Carol Maher found that for children to achieve sufficient physical activity during OSHC, it should be provided on a 3:1 ratio – that is, that three times the opportunity for exercise is needed for children to achieve sufficient physical activity during OSHC.

Developed with input from the OSHC sector, the guidelines aim to address growing concerns of children's sedentary behaviour marked by an increase in regular screen time. Research shows that 31-79 per cent of OSHC sessions are sedentary.

The guidelines specifically encourage energetic play while discouraging screen use.

Yoghurt could be the go-to food to manage high blood pressure

A daily dose of yoghurt could be the next go-to food for people with high blood pressure, according to new research from the University of South Australia.

Conducted in partnership with the University of Maine, the study examined the associations between yoghurt intake, blood pressure and cardiovascular risk factors, finding that yoghurt is associated with lower blood pressure for those with hypertension.

UniSA researcher Dr Alexandra Wade says this study provides new evidence that connects yoghurt with positive blood pressure outcomes for hypertensive people.

Globally, more than a billion people suffer from hypertension (high blood pressure), putting them at greater risk of cardiovascular diseases (CVDs) such as heart attack and stroke.

CVDs are the leading cause of death worldwide – in the United States, one person dies from CVD every 36 seconds; in Australia, it's every 12 minutes.

UniSA IS UNSTOPPABLE IN BUSINESS



Minding the gender (pay) gap

Confronting new research from the University of South Australia showed a significant gender pay gap across most Australian firms, with 80 per cent of them paying female executives 30-35 per cent less than their male counterparts, despite being of equal calibre, education, and achievement.

While it's evidence that gender inequality is still live and (un)well in top tier management, it also reveals that the impact goes far beyond the individual, with large gender pay gaps directly associated with lower firm performance.

The world-first study assessed 539 ASX-listed firms across 10 years of data (2095 observations) to identify the implications of gender pay disparity in top management teams.

According to UniSA researcher, Professor Carol Kulik, the study confirms that Australian businesses that are not compensating men and women equally, are effectively self-sabotaging their diversity efforts and overall firm profit.

In dollar figures, if a male executive is paid 2.6 times that of their female counterpart, every woman added to the team will lower the firm's annual return on assets by 2.2 per cent.



Representatives of the nine space startups with (then) Premier the Hon Stephen Marshall



UniSA Women in MBA (WiMBA) scholars discussing leadership diversity at a WiMBA Scholars Round Table Event hosted at the City West Campus

Nine startups get a leg up

Nine space startups were selected to take part in a program that provides support and tools to plan and successfully build a scalable and investment ready business.

The nine startups were merit selected for a place in the Venture Catalyst Space program, supported by the South Australian Government's Space Innovation Fund. The program is the first of its kind in Australia.

Startups will receive the individual support through a tailored program with all equity and intellectual property remaining with the company.

Each company will receive funding, access to specialist business acceleration workshops, one-on-one mentoring, a modern co-working space, and technical resources and tools.

They will work with global industry experts, including **Kirk Drage** (along with his company LeapSheep), and key representatives from the space industry including former NASA astronaut and space shuttle commander, **Pam Melroy**.

UniSA celebrates five years of supporting future female leaders

UniSA celebrated five years since the introduction of the Women in MBA scholarship (WiMBA) program, which has seen 28 high-achieving women with leadership potential supported to undertake MBA studies.

The WiMBA scholarship, first offered in 2016 to address the gender imbalance in the leadership and executive roles in male-dominated industries, was developed by then leader of UniSA Business Professor Marie Wilson along with counterparts from five other Australian universities.

The scholarship, equally funded by UniSA and the student's employer to cover the MBA fees for emerging female leaders, also requires the employer to provide the student with flexibility to undertake their studies, a career mentor, and supportive career pathway options.

Prof Wilson says the employer's involvement was integral in creating the conditions for positive change within traditionally male-dominated organisations and industries.

Five UniSA staff named in top 50 advertising researchers

A study of the world's top academic journals focused on advertising named five UniSA staff in the top 50 researchers publishing in the field and placed UniSA as number two in the world.

The paper *A decade (2008–2019) of advertising research productivity: A bibliometric review*, examines academic journals focused on advertising as a benchmark for advertising research.

Data for the study was based on three major US-based advertising journals – the Journal of Advertising, the Journal of Advertising Research and the Journal of Current Issues and Research in Advertising, from 2008 to 2019. Only full-length articles were considered for analysis.

The comparative author ranking looked at the number of times a researcher appears as an author in the journals.

Five UniSA researchers from the Ehrenberg-Bass Institute for Marketing Science are named in the top 50: **Professor Steve Bellman #4**; **Professor Byron Sharp #7**; **Professor Rachel Kennedy #11**; **Professor Jenni Romaniuk #32**; and **Dr Virginia Beal #47**.

Institutions were ranked on a similar basis, with UniSA number two in the absolute rank of academic institutions with 43 affiliated articles after the University of Georgia, which had 49.

UniSA IS UNSTOPPABLE IN CREATIVE



Aboriginal artists named as UniSA Visiting Research Fellows

Two prominent Aboriginal thought leaders joined UniSA as part of a new Visiting Research Fellowship scheme.

Curator, artist and activist Djon Mundine OAM (right), and author, researcher and arts critic Dr Tyson Yunkaporta (left) were named the inaugural Pirku murititya UniSA Visiting Research Fellows.

Mundine is a Bandjalung man from the Northern Rivers of New South Wales, and Dr Yunkaporta is from the Apalech clan from Western Cape York.

Under the Visiting Research Fellowship scheme, which is being supported by private donors and corporate sponsors and matched by the University, 500 researchers from across the world will collaborate with UniSA researchers over the next five years – and First Nations-led research will be a key component.

Contemporary art graduates received more than \$45,000 in prizes

UniSA's newest cohort of emerging artists were the beneficiaries of several awards at the launch of the annual Helpmann Academy Graduate Exhibition. The exhibition takes place each year and features the work of graduating visual artists from the Helpmann Academy's partner institutions.

Eight UniSA graduates received nine awards to a value of \$46,500, comprising more than 70 per cent of the available prize pool. Supported by a diverse range of benefactors, the awards provide graduates with a combination of cash support, mentorship, artists' advisory services, acquisition and exhibition support.

Both major prizes were awarded to UniSA students, with PhD candidate **Tricia Ross** receiving the UniSA/Helpmann Academy Postgraduate Award (\$10,000 cash). Bachelor of Art and Design (Honours) graduate **Meng Zhang** was awarded the Undergraduate Award for Excellence, supported by Roger and Helen Salkeld (\$7,500 cash).

Bachelor of Contemporary Art graduate **Stephanie Doddridge** says she was thrilled to receive both the Hill Smith Art Advisory Award for an artist working in 3D whose work is inspired by the craft tradition (\$7,000 cash and in-kind) and the Jacquillard Exhibition Award to be used for the costs associated with presenting an exhibition (\$3,000 cash).



Award winners with Jane MacFarlane (CEO, Helpmann Academy) and Rhana Devenport (Director, Art Gallery of South Australia).

Prestigious award for UniSA architecture educator

UniSA Adjunct Senior Research Fellow in architecture, **Dr Rachel Hurst**, was awarded the prestigious Sir James Irwin President's Medal 2021 by the SA chapter of the Australian Institute of Architects.

Dr Hurst – who was a senior lecturer with UniSA Creative until March 2021 – received the honour in recognition of her career as an architectural educator, having mentored thousands of students over many years.

Celebrating UniSA's SA Media Awards winners

UniSA students and alumni won several key awards at the 2021 SA Media Awards. The SA Media Awards are run by the

Media, Entertainment and Arts Alliance (MEAA) and recognise excellence in South Australian journalism.

UniSA third-year Journalism and Professional Writing student **Helen Karakulak** won the Julie Duncan Memorial Award for Student Journalism in the MEAA's Silver Award Category.

The judges praised her "outstanding leadership as a student journalist at the University of South Australia, where she fosters UniSA student journalism and oversees a large team of students undertaking editorial and journalism roles".

UniSA dominates at comic competition

UniSA student and emerging illustrator **Chi Ta** won first prize in 2021 Manga Comic (Koma) competition at the AnimeGo Japan Pop Cultural Festival held in Adelaide as part of the OzAsia Festival.

Chi took home the top prize for her comic 'The Unexpected Junior' while fellow UniSA student **Alex Lam** secured third place for his comic 'Sketchy Impressions'. UniSA was well represented in the competition with thirteen current students and one graduate from the Bachelor of Arts (Illustration and Animation) program making the top 20 shortlist.



UniSA student (right) Helen Karakulak was presented the Julie Duncan Memorial Award for Student Journalism by UniSA Executive Dean for Creative Associate Professor Veronika Kelly.

UniSA IS UNSTOPPABLE IN EDUCATION

Education student honoured with special commendation

A UniSA student studying Early Childhood Education (Honours) was recognised for her accomplishments at the StudyAdelaide International Student Awards.

International student Cindi (Xinyu) Du received a special commendation at the awards in recognition of her significant achievements while studying online from her home country, China. Cindi found innovative ways to complete practical assignments remotely and helped inspire fellow offshore students to stay motivated.

One assessment required Cindi to observe children in a South Australian childcare setting. Cindi negotiated with tutors to complete her assignment utilising a mix of online resources, learning from former students, and observing children at play in her hometown. By finding ways to adapt her studies, Cindi overcame the challenges of offshore study and achieved high distinctions and distinctions in almost all courses.



Lecturer Andrew Scrimgeour receiving his award from (then) South Australian Minister for Education John Gardner.

International refugees: from uncertain pasts to promising futures

UniSA researchers found that refugee children were more likely to succeed at school (and later in life) if schools encouraged positive partnerships, embraced cross-cultural understandings, and empowered families to support their children.

Conducted by educational sociologist, UniSA's **Dr Hannah Soong**, and funded by the Channel 7 Children's Research Foundation, the research confirms the pivotal role of refugee parents in their child's education and long-term success.

The research showed that refugee children are more likely to succeed in their education when their parents share and embrace their refugee story, and when their school empowers them to do so.

When schools positively engage and connect with refugee families, they're showing that they're committed to building strong parent-school relationships. This is important as refugee families often find a new school environment overwhelming.

Rewriting the book on boys and reading

New research suggested that the widely held view that primary school boys are reluctant readers may be wrong – and possibly doing more harm than good.

Despite the wide influence of this idea, a new study by researchers at UniSA, Australian Catholic University and Queensland University of Technology suggested the "boys don't read" hypothesis may not only be misguided but could be holding many students back.

UniSA Research Professor Barbara Comber, and colleagues Associate Professor **Laura Scholes** (ACU) and **Dr Nerida Spina** (QUT), worked with data from boys aged 8 and 9 about their feelings on books and reading.

The research, which was published in the *British Educational Research Journal*, not only indicates that boys love to read, it also found they love to read fiction, which runs counter to the common assumption in educational contexts that boys prefer non-fiction books.

Too much screen time delays school readiness

Too much screen time and a penchant for computers is playing havoc with children's school readiness, as new research from UniSA showed that modern lifestyles are influencing the prevalence of developmental delay in younger generations.

Conducted by UniSA researchers **Dr Kobie Boshoff**, **Alessia Pivato** and **Sarah Seekamp**, the study explores the concerns of more than 100 South Australian preschool directors, finding that an overuse of screen time, in lieu of quality play, is substantially impacting children's development, putting them behind their peers as they start school.

In South Australia, nearly 22 per cent of children are considered to be developmentally vulnerable, where they display a much lower than average ability in competencies such as physical health, behaviours, emotional maturity, language or communication.

Languages lecturer celebrated in World Teachers' Day Awards

UniSA lecturer **Andrew Scrimgeour** was honoured on World Teachers' Day, winning the Languages Education Award for Excellence at Educators SA's annual awards.

A lecturer in Language Education and Asia Literacy, Scrimgeour was nominated by the Modern Language Teachers Association of South Australia. In delivering the award, Educators SA highlighted his achievements in language education across Australia:

Scrimgeour is currently the lead researcher in a federally funded national project being undertaken by the Australian Federation of Modern Language Teachers Associations to develop a National Strategy and Plan for Language Education in Australian schools.

UniSA Master of Teaching graduate **Rohan Ball** was also recognised, winning the Outstanding Graduate of the Year, UniSA.



Leadership in graduate research

UniSA Professor of Work and Organisational Psychology Professor Michelle Tuckey received a special commendation in the 2021 ACGR Awards for Excellence in Graduate Research Education for her work supporting the wellbeing of research degree students.

Established in 2017 by The Australian Council of Graduate Research, the awards publicly promote outstanding performance in higher degree research supervision, leadership and industry engagement.

The special commendation for Excellence in Graduate Research Leadership recognises Prof Tuckey's achievements in designing a high-quality research training ecosystem that supports candidate mental health in parallel with timely progress and completion.

Companies who pay scant attention to workers' psychological health leave employees at higher risk of depression

A year-long Australian population study found that full time workers employed by organisations that fail to prioritise their employees' mental health have a threefold increased risk of being diagnosed with depression.

And while working long hours is a risk factor for dying from cardiovascular disease or having a stroke, poor management practices pose a greater risk for depression, the researchers found.

The University of South Australia study, published in the British Medical Journal today, is led by UniSA's Psychosocial Safety Climate Observatory, the world's first research platform exploring workplace psychological health and safety.

Psychosocial safety climate (PSC) is the term used to describe management practices and communication and participation systems that protect workers' mental health and safety.

Lead author, **Dr Amy Zadow**, says that poor workplace mental health can be traced back to poor management practices, priorities and values, which then flows through to high job demands and low resources.

Internationally renowned expert on workplace mental health, ARC Laureate **Professor Maureen Dollard**, noted the study found that while enthusiastic and committed workers are valued, working long hours can lead to depression. Men are also more likely to become depressed if their workplace pays scant attention to their psychological health.

Due to the global burden of depression, which affects an estimated 300 million people worldwide and shows no sign of abating despite available treatments, more attention is now being paid to poorly functioning work environments which could contribute to the problem.

High levels of burnout and workplace bullying are also linked to corporations' failure to support workers' mental health.

A second paper co-authored by Professor Dollard and published in the European Journal of Work and Organizational Psychology, found that low PSC was an important predictor of bullying and emotional exhaustion.

The global costs of workplace bullying and worker burnout are significant, manifested in absenteeism, poor work engagement, stress leave and low productivity.

New online courses to transform lives of WA's most traumatised children

A new series of online training courses focused on transforming the lives of children who have experienced child abuse and neglect will support Western Australian (WA) frontline practitioners to deliver world-leading responses to abuse-related trauma.

The Pursuit of Excellence in Responding to Child Abuse and Neglect WA, a leading initiative in partnership between the Australian Centre for Child Protection (ACCP), University of South Australia and Parkerville Children and Youth Care, and supported by Lotterywest, is focused on the development of new high quality therapeutic responses to child abuse and neglect, designed for the WA service context and client populations.

A major focus of the Pursuit of Excellence is supporting the development of the state's workforce through providing high quality workforce development, including overcoming existing workforce development barriers.

The new tertiary accredited online series of three Professional Certificate courses has been developed by specialist clinical trauma clinicians and research experts across key identified areas of need.

The first course provides foundational knowledge around child abuse, neglect and trauma, the second is focused on trauma specific assessment and responses, and the third supports the development of practitioner therapeutic skills in responding to childhood trauma.

Excellence in child protection research recognised

The Australian Centre for Child Protection (ACCP) at UniSA was recognised for its leadership in child protection research across Australia and for supporting the design of evidence-based services.

The award ceremony was held during National Child Protection Week, which aims to engage and educate all Australians to understand they have a part to play in keeping children and young people safe from violence, abuse and neglect.

The award recognises the ACCP's leading approach and the innovation of its research and the difference it has and is making for children affected by abuse and neglect.

Australian Research Council (ARC) Grant to Professor Tahereh Ziaian

Professor Ziaian was awarded an ARC Linkage Project (Category 1), in the amount of \$710,889. Her project titled *Rebuilding life after migration for young refugees and migrants* aims to provide a comprehensive understanding of refugee and migrant youth settlement experiences and its impact on psychological wellbeing and the role of support services. It will focus on the policies and practices that shape the settlement experiences of refugee and migrant youth which promote their psychological wellbeing.

The study will provide settlement sectors and service providers with crucial new knowledge of how settlement policies and practices can foster refugee and migrant psychological wellbeing. Outcomes of this project will include the development of research-based guides to good policy and practice in settlement services to improve psychological wellbeing outcomes for immigrant communities.

UniSA IS UNSTOPPABLE IN STEM

A portrait of Dr Alaa Ahmed, a man with a beard and mustache, wearing a dark suit jacket over a light pink shirt. He is smiling and looking towards the camera. The background is a plain, light-colored wall.

A cost effective and quick way to find groundwater

Water is a scarce commodity and a major environmental, biological and socio-economic issue for many communities across South Australia. Existing methods to assess groundwater sources involve extensive drilling, which is expensive, time consuming and often inaccurate.

UniSA researcher Dr Alaa Ahmed's new cost-effective technology can now pinpoint sites in the central Flinders Ranges where precious groundwater is likely to be found, handing a lifeline to residents in that region.

Using satellite imagery, geospatial techniques and adding information on drainage, rock types, fractures, topography and rainfall, Dr Ahmed mapped the Hawker region into three distinct classifications for groundwater stored in fractured rock aquifers: good, moderate and low.

His study indicates that the most effective groundwater recharge zones (where surface water collects as it moves downwards) are located where there are numerous rock fractures, low drainage and a gentle slope.

Conversely, the least effective areas to find groundwater are underlain by shale and siltstone.

The remote sensing doesn't cost anything because existing satellites located above Australia are already taking photos of the topography. The software – GIS – is also available to analyse and map all the data.

Mass spectrometer to aid environmental and cancer research

UniSA was awarded a \$715,000 grant to enhance mass spectrometry technology in South Australia, with benefits for environmental, mineral and biological science.

The project received funding through the first round of Australian Research Council Linkage Infrastructure, Equipment and Facilities grants for 2021.

The grant allows UniSA to purchase a latest-generation Inductively Coupled Plasma Time-of-Flight Mass Spectrometer (ICP-ToF-MS) and establish a facility to detect, quantify and rapidly map elements and their isotopes in nanoparticles and a diverse set of biological and earth materials. The project will enable researchers from all three SA public universities, the Australian Wine Research Institute and SAHMRI to access the technology.

The facility will be able to simultaneously collect a full suite of isotopic information from liquid samples or, in combination with laser ablation and laser induced breakdown spectroscopy, solid samples. It will enhance capabilities and sample throughput in environmental science, earth science, biology and cultural heritage research, significantly accelerating the discovery of new ore bodies, improving environmental risk assessment and assisting research in cancer biology.

The UniSA researchers who are investigators on the project are **Professor Enzo Lombi**, **Associate Professor Justin Payne**, **Associate Professor Tom Raimondo**, **Professor Emily Hilder**, **Associate Professor Ivan Kempson** and **Professor Gregory Goodall**. The project is being undertaken in partnership with the University of Adelaide and Flinders University and includes researchers from both institutions.



Carolyn Reichherzer simulating a hit-and-run scene viewed through a 3D headset

Bringing the jury to the crime scene via a 3D headset

A new study published by the University of South Australia provided overwhelming evidence in favour of using Virtual Reality in the courtroom, effectively dropping jurors right in the middle of a car accident or murder scene.

A team of UniSA researchers, legal professionals, police and forensic scientists simulated a hit-and-run scene, reconstructing the events with a laser scanner to compare verdicts between 'jurors' using 3D headsets and those relying on photographs from the scene.

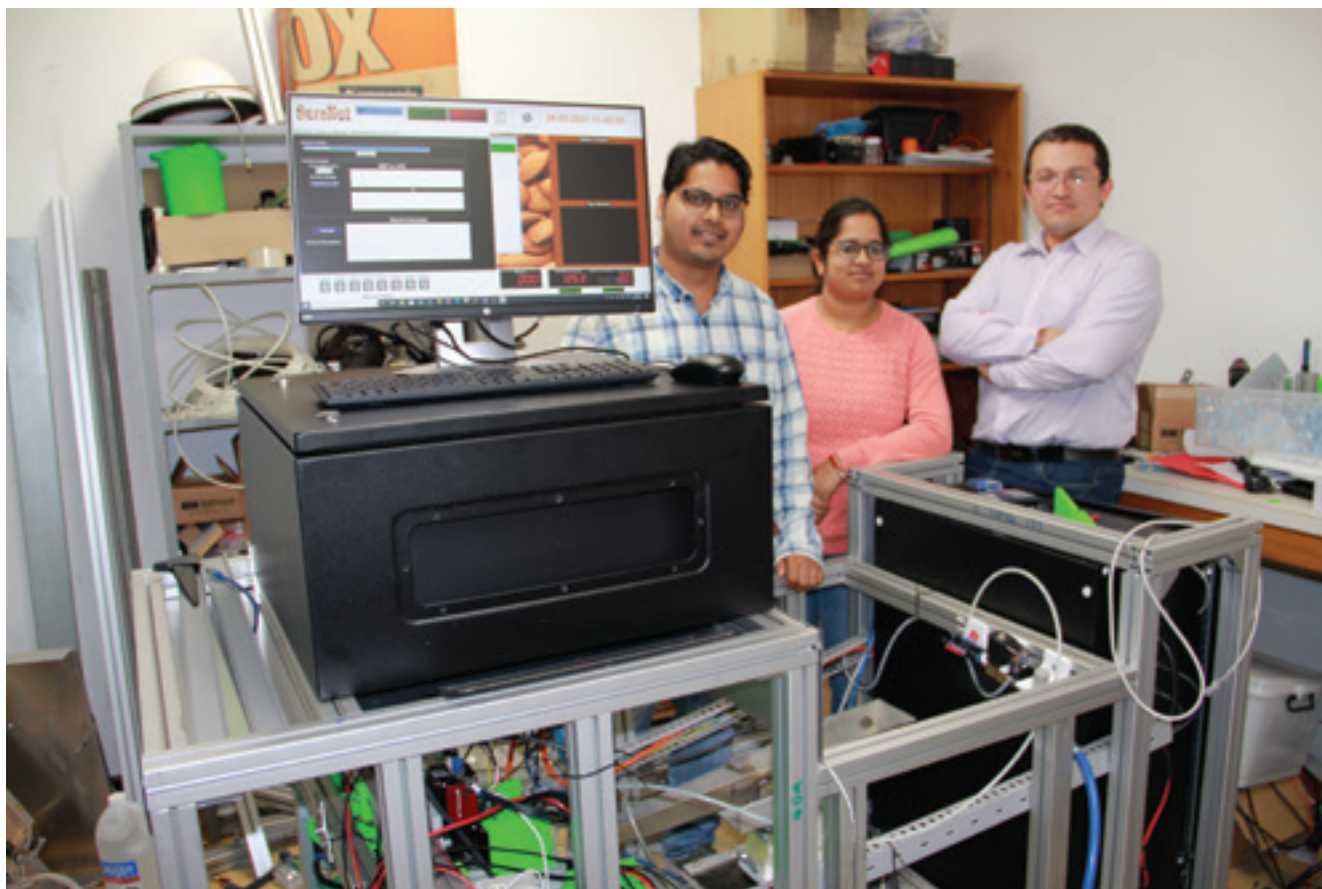
The result? Better recall, spatial accuracy and more consistent verdicts in the case of the jurors (30 study participants) using interactive technology.

Virtual reality also required significantly less effort than using photographs to piece together the sequence of events, according to **Dr Andrew Cunningham**, from UniSA's Australian Research Centre for Interactive and Virtual Environments.

Study participants viewing the scene through a 3D headset were 9.5 times more likely (86.67 per cent) to choose the same verdict – Death by Dangerous Driving – than the group who relied on photographs, who were split 47/53 per cent between a careless driving verdict and dangerous driving verdict.

Lead researcher **Dr Carolyn Reichherzer** says site visits are still the gold standard in providing juries with a realistic impression of a scene, but they also have their drawbacks.

Virtual reality has precedence in the court room internationally, with the most famous example in 2019 when the Bavarian State criminal office created an interactive scene of the infamous Auschwitz concentration camp to aid the prosecution's case in a war crimes trial.



THE A(lmond) TEAM: University of South Australia researchers Brajesh Panda, Gayatri Mishra and Wilmer Ariza with their prototype almond grading and contaminant detection machine.

Industry goes 'nuts' for world-first almond grading machine

Researchers at UniSA have developed a world-first automated technique for simultaneously grading almond quality and detecting potentially serious mycotoxin contamination in kernels.

In 2019-2020, Australia's almond crop was worth just over \$1 billion, and the value of the sector is expected to expand to \$1.5 billion in coming years, with Australian almond growing conditions among the best in the world.

Given the local industry is now exporting to more than 50 nations, accurate and consistent grading of almonds is paramount, ensuring international markets can trust the Australian product.

Traditionally, almonds have been graded manually, with samples taken hourly from production lines to check for consistency of appearance, chips and scratches, double kernels, insect and mould damage, and other defects.

This process is labour intensive, slow, and subjective, all of which can lead to inaccurate and inconsistent grading, particularly from season to season because of staff turnover.

In conjunction with industry partner SureNut, researchers at UniSA have developed a machine that dramatically improves the accuracy of almond grading, in addition to detecting potentially fatal contaminants common in almond kernels.

Funded through the Cooperative Research Centres Projects program, a research team led by **Associate Professor Sang-Heon Lee** combined two high definition cameras, a hyperspectral camera and purpose developed AI algorithms to create a system that can examine almond quality in far greater detail than the human eye.

The system can accurately assess physical defects such as chips and scratches and detect harmful contaminants, including the presence of aflatoxin B1, a potent carcinogen that may be implicated in more than 20 per cent of global liver cancer cases.

Conserving coastal seaweed: a must have for migrating sea birds

In the first study of its kind, UniSA researchers showed that beach-cast seaweed known as wrack provides shelter, and a range of microclimates, in addition to food, that ensure the survival of many shore-bird species.

Sea wrack acts like a reverse-cycle air conditioner creating cooler conditions when the weather is hot and warmer conditions when it is cold, helping seabirds regulate their body temperatures.

UniSA researchers, **Tim Davis** and **Associate Professor Gunnar Keppel**, say that councils, residents and tourists must be educated about the ecological role of sea wrack and how removing it from beaches can have a significant impact on the environment and the survival of bird species.



Sea wrack shelter

World-first traffic stopping technology to save lives and money

Game-changing technology to design traffic lights that absorb kinetic energy, stopping them from crumpling when hit by a vehicle, will prevent hundreds of fatalities and injuries each year and make our roads much safer.

That's the prediction from University of South Australia (UniSA) senior lecturer and research lead **Dr Mohammad Uddin**, who is partnering with SA company Impact Absorbing Systems (IAS) on a new project to minimise collision-related injuries as well as damage to traffic lights and vehicles.


The \$640,000 project, partially funded by the Innovative Manufacturing CRC (IMCRC), will leverage IAS's expertise in road safety and UniSA's engineering design and advanced manufacturing skills to ensure traffic lights absorb a high-impact crash, remain undamaged and operational, and save pedestrian and motorists' lives.



The technology involves replicating existing IAS-fabricated energy absorbing bollards and tuning the design to better suit the shape, length and size of common traffic lights, while satisfying regulatory standards.

Recent statistics show that in Australia, traffic light collisions cost \$18.5 million a year in fatalities, \$53.7 million for injuries and up to \$16 million annually to repair, install and maintain traffic lights.

By using the best design and materials which absorb the impact, the traffic lights won't crumple if hit, but just tilt to a slight angle, stopping an out-of-control vehicle. Existing traffic lights are rigid steel, hollow structures which cause severe and fatal injuries to pedestrians and motorists when a vehicle smashes into them.



PROJECTS AND PARTNERSHIPS



Accenture and UniSA partnered to develop the digital business skills of tomorrow

UniSA will offer a new degree in digital business as part of a unique joint venture with a leading global professional services company that will help transform the provision of business education and digital skills in Australia.

To begin in 2022, the Innovation Academy will deliver bespoke innovative curriculum and training programs, drawing on the skills and expertise of Accenture's global workforce and UniSA's established position in online education. Together the partnership will help address known and emerging skills gaps and enhance productivity in Australia's strategic growth areas.

The partnership between UniSA and New York-listed company Accenture, will see the creation of an Innovation Academy in Digital Business. The academy will combine the best of Accenture's global practice and expertise with UniSA's proven leadership in transformative, industry-informed business education and research.

The academy's first offering will be a Bachelor of Digital Business. The program was designed and custom built, leveraging real-world Accenture material and case studies. The second offering of the academy will focus on upskilling and reskilling established workforces in leading-edge digital business practices.

LinkedIn to uni degree

New social platform to learning

CHRIS BAYLIS

STUDENTS enrolling at UniSA are now able to earn academic credits for select degrees by completing LinkedIn professional development courses.

In a partnership between the university and the social media platform, credits will be available in a raft of undergraduate degrees, such as Information Technology, Software Engineering, Data Analytics, Business, Digital Media and Communications.

UniSA vice-chancellor David Lloyd said the partnership, announced on Thursday, had been brokered over several years.

"This partnership meets all the elements of education and learning - content and context - with accreditation to validate outcomes," Professor Lloyd said.

"It blends what is a massive source of global learning - LinkedIn Learning - with UniSA's know-how and standing to provide a new framework for credit acquisition for learners and a pathway to higher qualifications."

The credit, which can count toward one UniSA course, will only apply to certain degrees and disciplines. For example, a student completing a

LinkedIn Learning module in digital marketing would be able to use that towards a bachelor's degree in digital media or in communication or in any of the business degrees.

A LinkedIn data analyst course or in network administration could be used towards a UniSA degree in information technology or in software engineering.

New students and those already enrolled at UniSA will be able to use the credit system.

LinkedIn senior director Adam Gregory said creating alternative routes to help people build skills was crucial in adapting to change.

"As the world becomes increasingly digitised, continuous skills development takes on a whole new level of importance," Mr Gregory said.

"We know this path to education will be a huge benefit to many."

LinkedIn Learning has established similar partnerships around the world.

UniSA will be the launch partner for the accreditation system for Australia and the Asia Pacific region.

Adelaide University has a partnership with LinkedIn Learning which gives students access to the modules to complement their university studies.

The Advertiser, 29 October, 2021



UniSA joins tech partner for degree

THE UniSA will work with global technology company Accenture to offer a new degree, a Bachelor of Digital Business.

New York-listed Accenture announced late last year it was establishing a regional base in Adelaide. Premier Steven Marshall said it was expected to create 2000 jobs in five years.

UniSA expects to recruit new staff to offer the degree from mid-next year, as part of an "Innovation Academy".

The academy "will be a global powerhouse in educating a new breed of business professional, informed by best practice and insight from one of the world's leading technology and strategic consulting

companies", UniSA vice-chancellor David Lloyd said.

Accenture Operations' Jordan Griffiths said the partnership would give students exposure to real-world cases of digital technology in business.

The degree will be offered online and UniSA aims to have 200 places available for the course.

New international education partnership between UniSA and LinkedIn

UniSA and LinkedIn announced a new partnership to offer pathways to gain officially recognised academic credit for UniSA degrees to people studying through LinkedIn Learning.

UniSA is one of a select group of universities internationally to partner with LinkedIn Learning on this pilot and is the program's launch partner for Asia Pacific.

Learners can complete a UniSA endorsed LinkedIn Learning online learning path - on topics such as digital marketing, digital transformation and software development. Upon successfully completing the assessment with UniSA, they can earn academic credit that can be used at enrolment.

Credit is available in a suite of undergraduate UniSA degrees in Information Technology, Software Engineering, Data Analytics, Business, Digital Media and Communication.

The Advertiser, 3 September, 2021



UniSA graduates Paul Summerton (far left) and Katrin Horsey (far right) now working for Nova Systems, pictured with UniSA Vice Chancellor Professor David Lloyd and Nova Group CEO Jim McDowell.

Nova Systems and UniSA collaborate to grow local smarts in emerging capabilities

In an effort to support Australia's growing space, defence and national security capabilities, Nova Systems and UniSA have committed to explore opportunities for collaboration.

Nova Group CEO Jim McDowell and UniSA Vice Chancellor Professor David Lloyd signed a Memorandum of Understanding (MoU) in 2021, in a commitment to working closely over the next five years in industries critical to the state's economy.

The MoU is focused on growing the future pipeline of engineers and conducting industry and academic exchanges in emerging technology areas, with a particular emphasis on defence, national security and space.

It will see the organisations collaborate in a range of areas, including: Staff and student placement opportunities including options to grow Nova's award-winning graduate program; Collaboration in research development and technology focused on defence, national security and space; and Joint development of training, education and short courses in support of defence, national security, and space industrial capability.

Babcock and UniSA sign MoU

Babcock Australasia and the University of South Australia (UniSA) signed a Memorandum of Understanding (MoU) to develop 'best of breed' technology for the Australian Army's LAND125 Phase 4 Integrated Soldier System (ISS).

The signing of the MoU followed the announcement that Babcock has been down-selected for the next stage of LAND125 Phase 4.

The MoU will open up avenues for Babcock and UniSA to collaborate on technology development, post graduate research, and graduate pipelines.

The MoU is part of the company's ongoing commitment to delivering Australian Industry Capability (AIC). As a result of the MoU, Babcock will be able to leverage key research being undertaken by UniSA for LAND125 Phase 4 in the areas of human factors, cognitive and systems neuroscience, interactive and virtual environments, and advances in wearable computing and displays.

These and other research areas will contribute strongly to the spiral development of technologies and their use by the future Australian soldier.

EOS establishes Professorial Chair in Laser Physics at UniSA

A new Professorial Chair in Laser Physics has been established at UniSA through a partnership with Australian technology company Electro Optic Systems Pty Ltd (EOS).

UniSA's Professor David Lancaster was announced as the chair at an event held in September. The new EOS Professorial Chair in Laser Physics will create two postdoctoral positions and establish a world leading research and teaching group in areas closely aligned to core EOS capabilities in space domain awareness used to track, classify and characterise objects in space.

The partnership will contribute to Australia's sovereign capability.



Babcock Australasia CEO David Ruff pictured with UniSA Vice Chancellor Prof David Lloyd

A man with grey hair and a beard, wearing a teal kurta with gold polka dots, is lighting a small Diwali lamp. He is looking down at the lamp with a focused expression. The background is a brick wall and some green foliage.

OUR PEOPLE

UniSA Vice Chancellor Professor David Lloyd with Mr Hari Iyer, Manager of International Recruitment at UniSA inaugurating the UniSA Diwali event in October 2021 with the lighting of the ceremonial lamp.



THE BEST OF THE UNSTOPPABLES

UniSA's high achieving people have never let anything stop them. In 2021, in the midst of all of the obstacles thrown, these people triumphed as researchers and teachers. The best we have to offer.

South Australian Scientist of the Year

Professor Sharad Kumar AM

UniSA Chair of Cancer Biology
Professor Sharad Kumar AM was named the South Australian Scientist of the Year.

Prof Kumar, who is also a Research Professor of Cell Biology and a co-founder of Centre for Cancer Biology, was named a joint winner with Professor Colin Raston from Flinders University.

The South Australian Scientist of the Year is awarded for eminence in science as part of the SA Science Excellence and Innovation Awards, which showcase the critical importance of science, research and innovation to the development of industry and society as a whole.

Prof Kumar is a Fellow of the Australian Academy of Science and a Fellow of the Australian Academy of Health Medical Sciences.

He has pioneered many discoveries in biomedical sciences through the study of "programmed cell death" and cellular maintenance, critical determinants of health and disease. His work has led to major advances in identifying the causes of cancer, hypertension, inflammation, and kidney disease, paving the way for better treatments.

Professor Kumar was also awarded \$2.9 million to help improve the lives of approximately six million Australians, the number of people collectively diagnosed with heart disease, cancer and chronic kidney disease each year. He will use the National Health and Medical Research Council (NHMRC) funding to lead a five-year project to help prevent these diseases and develop new treatments for them.



2021 Australian Awards for University Teaching

Citations for Outstanding Contributions to Student Learning

Dr Lisa O'Keeffe -
UniSA Education Futures

For a digitally innovative approach to teaching and assessment that engages future mathematics teachers in a cycle of reflective practice which enhances their development as effective teachers.

Sandhya Maranna - UniSA Allied Health & Human Performance

For developing digital assessments using problem-based learning to enhance clinical reasoning and skills in difficult communication in medical sonography students.

Dr Tanya Weiler - UniSA Education Futures (UniSA College)

For sustained leadership of the UniSA Aboriginal Pathway Program, enhancing university participation and success of Aboriginal students by studying 'as a community, in the community.'

2021 UniSA Teaching Awards

UniSA Citations for Outstanding Contributions to Student Learning 2021

Dr Brian Dale, Senior Lecturer in Haematology, UniSA Clinical & Health Sciences

For excellence in the design and implementation of research and development in Laboratory Medicine to enhance student learning and professional development in clinical placement.

Dr Sally Lewis, Program Director: Master of Communication (DMCO), UniSA Creative

For leadership of interdisciplinary curriculum development that fosters the work readiness of Communication students

Marketing Clinic team (Vivien Chanana [team leader], Program Director: Marketing & Professor John Dawes, Professor of Marketing, UniSA Business)

For sustained commitment to enhancing student learning through experience in Marketing Clinic - a unique third-year course with Work Integrated Learning (WIL) elements.

UniSA Citations for Outstanding Contributions to Digital Learning 2021

Dr Ysabella Van Seville,
Program Facilitator, UniSA Online

For building engagement, connectedness and motivation in an online course through enriched course design and enhancing teacher presence.

UniSA Teaching and Learning Grants

UniSA Early Career Academic Innovation Grants 2021

Shayne Chau (ALH) Maximising undergraduate medical radiation students' learning experiences using Cloud-based Computed Tomography (CT) software (SmartSimulators).

Susannah Emery (CTV) "Playing with game design theory": playable lectures to provide immersive examples of theoretical game design elements.

Dr Hana Hadinejad (BIS) Champion in class, leader in assessment: A pilot study of the application of gamification for hospitality students.

Dr Michele Jarldorn (JUS) Dismantling and rebuilding HSP: A programmatic approach to student retention and academic literacy development through creativity, diversity and community.

Dr Annie Liang (STM) Remote Air traffic control (ATC) simulation tutoring assistant tool (E-tutoring).

Sandhya (Sandy) Maranna (ALH) Pilot project to create and implement online vivas to improve assessment of higher order skills in a capstone medical sonography course.

Dr Katica Pedisic (CTV) Drawing Plus: Amplifying communication through Augmented Reality.

UniSA Teaching and Learning Development Grants 2021-22

Stefanie Bucher, Dr Debra Rowett, Dr Scott Weeks, Dr Angela Berndt, Dr Emily Ward, Dr Kade Davison, Dr Carolyn Murray, Dr Ryan Causby (ALH) Telepractice Education and Interprofessional Module (TEAM)

Rebecca Somerfield, Dr Damien Spry, Dr Jane Andrew, Dr Alice Dodd, Ms Susannah Emery, Mr John Gartland (CTV) Communication and Media Clinic: An immersive program approach to graduate capability development.

Research and enterprise

2021 Research Awards and Research Ethics and Safety Innovation Awards Winners

An online celebration was held on 18 February to acknowledge the nominees and announce the winners of the 2021 Research Awards and Research Ethics and Safety Innovation Awards.

The Research Awards

The Research Awards celebrate UniSA's research achievements, recognising our colleagues who demonstrate both the University's core attributes and Research Excellence. The winners of 2021 University-wide Research Awards are as follows:

Research Excellence

Higher Degree Research Candidate: **Dr Sarah McDonald**, UniSA Education Futures;

Early Career Researcher: **Dr Renly Lim**, Research Fellow, UniSA Clinical & Health Sciences/CCB;

Mid-Career Researcher: **Associate Professor Amanda Hutchinson**, Associate Professor in Psychology (Clinical), UniSA Justice & Society;

Senior-Career Researcher: **Professor Carol Maher**, Professor of Population and Digital Health, UniSA Allied Health & Human Performance.

Professional Excellence

Up to HEO Level 7: **Deb Williams**, Team Leader: Academic Services (Research), UniSA Allied Health & Human Performance;

Up to HEO Level 7: **Amanda Johnston**, Project Coordinator; IVE and Space Studies, UniSA STEM/FII;

HEO Level 8 and above: **Dr Jim O'Hehir**, General Manager, Forest Research Mount Gambier Campus, UniSA STEM/FII.

Team Award

NTRO Development Group – UniSA Creative

Girish Chauhan, Chantel Griffen, Lachlan Young, Hazel Ryder, Jane Angel, Sean Boden, James Long, Michael Crisp, Tracy Quixley and Professor Craig Batty.

Research Ethics and Safety Innovation Awards

The winners of the inaugural Research Ethics and Safety Innovation Awards are:

Animal Ethics Award

Dr Zoe Doubleday and Erica Durante: Led the first research on live octopuses in South Australia, developing and refining ethical methods for the capture, long-distance transport, husbandry, humane killing and general welfare of wild-caught octopuses.

Human Research Ethics Award

Associate Professor Anne Souvertjris and Robyn Mundy: Innovation in management and processes for the UniSA Business Negligible Risk Human Research Ethics Committee.

Chemical and Radiation Safety Award

Dr Jessie Childs, Professor Adrian Esterman, Associate Professor Sarah Thompson, Dr Kerry Thoires and Kate Lamb: A novel approach to use ultrasound to replace computed tomography in both the assessment of liver volume and response to intervention; a safer alternative for both research and clinical settings.

The winners of each category above will receive \$10,000 paid into their Personal Development account and a certificate.



2021 Alumni of the Year award winners, pictured from left: UniSA Chancellor Ms Pauline Carr, then Premier of South Australia, the Hon. Stephen Marshall, Police Commissioner Grant Stevens, Dementia Alliance International Co-founder Kate Swaffer and Rising Sun Pictures Co-founder Wayne Lewis with Vice Chancellor Professor David Lloyd.

2021 Alumni Awards

Regularly showcasing the best of our best, in 2021 UniSA honoured four alumni considered the most distinguished members of the University's 230,000-strong global alumni community.

South Australian Police Commissioner **Grant Stevens**, Rising Sun Pictures Co-Founder **Wayne Lewis**, Dementia Alliance International Co-Founder **Kate Swaffer**, and culturally informed healing organisation We Al-li chief executive officer **Dr Caroline Atkinson** also were honoured at this year's awards.

A business graduate, Commissioner Stevens led and delivered some of SAPOL's most significant programs, including national outlaw motorcycle gang enforcement, specialist sexual crimes investigations, and service reform initiatives of frontline service delivery and demand management. He also played a significant role at the helm of the State's COVID-19 emergency response.

Rising Sun Pictures co-founder Wayne Lewis has overseen creative projects such as bringing Harry Potter's Goblet of Fire to life and transforming Hugh Jackman into Wolverine. He also created opportunities for a large number of locals and internationals to work here on globally significant projects. The company joined forces with the University of South Australia (UniSA) to deliver accredited courses to train students in the technologies and techniques they'll need to succeed in the global film industry.

Dementia Alliance International Chair, Co-Founder and CEO Kate Swaffer became an accidental activist after a diagnosis of a rare younger onset dementia changed her life. She was instrumental in DAI's global advocacy, with the group providing 20 to 30 online support groups a week to members from 49 countries.

We Al-li chief executive officer and social work graduate Dr Caroline Atkinson, works throughout Australia and the Asia Pacific providing sustainable pathways of positive change for individuals, families, and communities. We Al-li is built on the principles of integrating Aboriginal cultural processes in conflict management and group healing, pairing them with therapeutic skills for trauma recovery and experiential learning practices.

UniSA achievers among top Australia Day honours recipients

The UniSA community featured prominently in 2021's Australia Day honours. One of Australia's most prominent Aboriginal education advocates, **Professor Lester-Irabinna Rigney AM** was honoured as a Member of the Order of Australia (AM) for significant service to Indigenous education, and to social inclusion research.

UniSA Industry Professor and former South Australian Premier the **Honourable Jay Weatherill AO**, was made an Officer of the Order of Australia (AO) for distinguished service to the Parliament of Australia, particularly as Premier, and to early childhood and tertiary education.

UniSA alumna **Eleni Glouftsis OAM** received a Medal of the Order of Australia (OAM) for service to Australian rules football, particularly as an umpire.

Elders in Residence embedding Aboriginal knowledges and cultures at UniSA

The University is fortunate to be able to call on the guidance of eight senior Aboriginal Elders who together form the University's Elders in Residence (EiR) program.

Now known by its Kaurna name, Purkarninithi – which means 'becoming an Elder' – the program is a deliverable of the Stretch Reconciliation Action Plan (2018 to 2021), designed to support Aboriginal learning across the University and support to students.

The Purkarninithi group consists of eight metropolitan Elders who have kinship ties across South Australia, with two members holding honorary degrees from UniSA. All are well known and widely respected for their broad range of community and cultural knowledge and leadership.

The EiR Program helps develop and grow relationships between local Elders, students and the University, which will form the nucleus of the proposed Aboriginal Knowledges Centre, a hub for collaboration around two-way knowledge.

Seven students set to soar in New Colombo Plan scholarship program

Seven UniSA students will have the chance to pursue their studies overseas after being awarded prestigious New Colombo Plan (NCP) scholarships in November – the highest number of scholarships UniSA has ever been awarded in one year.

The seven scholars include:

Daniel Thorpe (Bachelor of Psychology) whose host institution is College of Micronesia in Micronesia. He will also go to Fiji and Timor-Leste; **Cody Gray** (Bachelor of Business [Financial Planning]) whose host institution is Rikkyo University in Japan; **Sian Jones-Parry** (Bachelor of Primary Education [Honours]) whose host institution is the University of the South Pacific in Fiji. She will also go to Vanuatu; **Sebastian Blake** (Bachelor of Arts [Sociology]) whose host institution is Mahidol University in Thailand; **Benjamin Sofo** (Bachelor of Geospatial Science) whose host institution is Mahidol University in Thailand. He will also travel to Singapore; **Aaron Hayward** (Bachelor of Engineering [Honours] [Mechanical]) whose host institution is Nanyang Technological University in Singapore. He will also go to Fiji; **Clover Glasgow** (Bachelor of Arts [Applied Linguistics]) whose host institution is Okayama University in Japan.

Fulbright scholarships for three UniSA alumni

Three UniSA alumni have been awarded 2021 Fulbright Scholarships, the flagship foreign exchange scholarship program of the United States.

Dr Annabel Sorby-Adams, **Dr Louise Grimmer** and **Philippa Mott** were among 2021's recipients.

Mott, who completed a Graduate Certificate (Project Management) with UniSA STEM earlier in 2021, is part of the curatorial team at Mona (the Museum of Old and New Art) in Tasmania, and her Fulbright scholarship will see her commence a Masters in Art History at the Institute of Fine Arts, New York University.

Dr Louise Grimmer, who completed a Graduate Diploma in Business at UniSA is also now based in Tasmania and will spend three months at the University of South Carolina examining retail place marketing strategies.

Biomedical researcher and former UniSA teacher, Dr Annabel Sorby-Adams, will use her Fulbright to collaborate with the Massachusetts General Hospital and Harvard Medical School to explore 'low-field' MRI, an innovative technology which aims to provide an inexpensive, mobile and safe system to enhance the timely diagnosis of stroke.

The members of Purkarninithi:



Uncle Lewis O'Brien



Auntie Roslyn Weetra



Uncle David Rathman



Uncle Frank Wanganeen



Uncle Kevin (Dookie) O'Loughlin



Uncle Kym Kropinyeri



Auntie Lynette Crocker

Not pictured: Auntie Lucy Waniwa Lester.
Photos courtesy Nharla Photography

Students secure scholarships to drive innovation in SA

Four aspiring UniSA scientists and engineers will receive financial support towards their studies thanks to the Playford Memorial Trust Scholarships.

The UniSA winners comprised:

Bachelor of Science (Honours) student **Jerusha King** received a Playford Trust Honours Scholarship. Jerusha's research will measure the ecosystem impacts of the recent dieback of Stringybark trees in the Mount Lofty Ranges using remotely sensed data from satellite, drone and field micro-sensors.

Bachelor of Engineering (Honours) (Electrical and Mechatronic) student **Kane O'Brien** received a Playford Trust Honours Scholarship. An electrician by trade, Kane's research interest is digital signal processing. One of three students to present his research at the scholarships award ceremony, Kane plans to work in the defence and space industry in South Australia after graduating.

Bachelor of Engineering (Electrical and Electronic) (Honours) student **Chetan Gautam** received a Nyrstar/Playford Trust Scholarship. Chetan has a strong interest in the potential of renewable energy, underpinned by childhood memories of power outages that could last for 18 hours a day in his home country of Nepal.

Bachelor of Civil Engineering student **Andisheh Lashgari** received a WSP/Playford Trust Scholarship. Andisheh is interested in geotechnical engineering and plans to focus her Honours project on a subject related to soil mechanics.

New director for Centre for Cancer Biology

UniSA research **Professor Natasha Harvey** was appointed as the director of the Centre for Cancer Biology (CCB) at UniSA, following a competitive search. She was previously head of the Lymphatic Development Laboratory at CCB.

Prof Harvey will oversee the development of a new strategic plan for the Centre for Cancer Biology that builds on the highly valued partnership between UniSA and SA Health.

Prof Harvey's work has been applied to understanding the genetic and developmental basis of lymphatic vascular malformations and lymphoedema, a major challenge faced by cancer patients. An early passion for science and for how biology works underpinned her sustained and outstanding track record in South Australia and the USA.

Her work has been published in leading international journals such as *Nature Genetics*, *The Journal of Clinical Investigation* and *Blood*, and she holds concurrent ARC and NHMRC projects on molecular switches in cell development, and tissue growth pathways in the lymphatic vasculature.

New director for Future Industries Institute

Research scientist **Professor Peter Murphy** was appointed as the new director of UniSA's Future Industries Institute.

Prof Murphy has more than 30 years' experience in research across the private and academic sectors, commencing as a research scientist with SOLA Optical following the completion of his PhD in Chemistry from Flinders University.

He joined UniSA in 2003 as a Senior Research Fellow in the Ian Wark Research Institute and later moved to the Mawson Institute – two of the forerunner institutes that merged to form the Future Industries Institute (FII). In 2015 he was appointed as Strand Leader and David Klingberg Chair in Energy and Advanced Manufacturing – Future Industries Institute and since October 2020 was the interim director of FII.



The Chancellor's 30th Birthday awards ceremony in December saw award winners from UniSA+ and Student Leadership share celebrations with UniSA Chancellor, Pauline Carr. Pictured from left to right: Kyla Raby (Social Justice Award Recipient), Chancellor Pauline Carr, Janelle Sawtell (Resilience Award Recipient), Shakila Orozani (Inclusion Award Recipient), Taydem Knowles (Entrepreneurship Award Recipient), Ateeq Zada (Leadership Award Recipient).

UniSA student athletes score big at UniSport Australia Awards

UniSA student athletes won a third of the awards on offer at the UniSport Australia Awards in a sweep that set a record for South Australian representation.

UniSport Australia is the peak governing body of university sport in the country. It promotes university sport through governance, advocacy and the popular UniSport Nationals competition attracting participants from 43 member universities.

The annual awards recognise the skill, dedication, and commitment of individual and team competitors in UniSport events. The 2020 awards – presented in May 2021 – rewarded students, teams and coaches who went above and beyond to stay connected to others through sport in the wake of event cancellations because of public health measures and travel restrictions in 2020.

There were nine categories in the 2020 awards, with UniSA students winning three of them.

UniSA staff recognised in Australian Awards for University Teaching

UniSA had two award recipients in the recent 2020 Australian Awards for University Teaching (AAUT), a prestigious program supported by the Federal Government through Universities Australia.

The late **Professor Tracey Bretag** was posthumously acknowledged with the Career Achievement Award, one of AAUT's highest honours, while UniSA College lecturer **Tamra Ulpen** received a citation for outstanding contributions to student learning.

Ulpen's citation for outstanding contributions to student learning was acknowledgement of her work at UniSA College, enabling the learning capacities of students from diverse educational, socio-economic, cultural, and linguistic backgrounds.



(L-R) Dougy Howard, Cooper Sayers, Ryan Brown, Callum Pearce, Vice Chancellor Professor David Lloyd, Rylan Dowdell, Liam Lawlor, Daniel Siwek and Caitlin Adams.



Samara Fernandez-Brown, NAIDOC's Youth of the Year.

Psychology student named NAIDOC Youth of the Year

A UniSA psychology student was named the Youth of the Year by the National NAIDOC Committee. The awards honour outstanding achievements by Aboriginal and Torres Strait Islander peoples at the community and national level.

UniSA student **Samara Fernandez-Brown** is a proud Warlpiri woman from Yuendumu, located three hours northwest of Alice Springs.

In naming Samara Youth of the Year, the committee described her as an advocate for her people. She became a social justice activist following the shooting and death of her cousin, Kumanjayi Walker in 2019. Samara coordinated the "Justice For Walker"

campaign, liaising between Warlpiri Elders and the police, judicial system and the media, organising rallies, fundraising to cover the case's legal fees all while remaining a peaceful, thoughtful and impassioned spokesperson for her family, community and the broader deaths in custody movement.

She is a board member of the Dhadjowa Foundation, a national grassroots organisation that's been established to provide strategic, coordinated and culturally appropriate support for Aboriginal and Torres Strait Islander families whose loved ones have died in custody.



Dr Michala Short

Unsung hero of science lends her voice to cancer patients

UniSA radiation therapist **Dr Michala Short** was named South Australia's Unsung Hero of Science for 2021, acknowledging her 20-year career helping to improve the lives of cancer patients, alongside her work to support the establishment of Australia's first proton therapy centre.

Dr Short is one of only three South Australian radiation therapists with a PhD, and her contribution to scientific research in South Australia has not only helped cancer patients but has trained and inspired a new generation of researchers.

The young scientist is involved in key research in collaboration with the Australian Bragg Centre for Proton Therapy and Research, the first of its kind in the Southern Hemisphere to treat paediatric, adolescent and young adult patients and those with rare cancers. It is due to open in 2025.

In 2018, Dr Short, along with a handful of other scientists and radiation oncologists, advised the Federal Government on the introduction of proton beam therapy. Compared to conventional x-ray (photon) therapy, proton beam therapy more effectively targets tumours and cancer cells, delivering optimal radiation doses to the tumour while limiting the effects on the surrounding healthy tissues.

Proton therapy will particularly help children and young people living with cancer because their cells and brains are at a sensitive stage of development and highly

APY Hub wins AFR's community engagement award

The UniSA APY Hub has won the Community Engagement award in the Australian Financial Review's (AFR) Higher Education Awards.

Led by **Dr Sam Osborne** in association with the Iwiri Aboriginal Corporation, the APY Hub connects with Anangu (Pitjantjatjara and Yankunytjatjara) communities through specialised language and culture courses.

The Hub's focus is on language and cultural development that places communities at the centre. UniSA's approach is to welcome and secure safe spaces for First Nations people considering how voice, power and community benefit must frame an ethical and productive partnership.

New Provost and Chief Academic Officer

Following a competitive recruitment process, **Professor Joanne Cys** was appointed Provost and Chief Academic Officer.

Prof Cys was Executive Dean of UniSA Creative and was previously Pro Vice Chancellor of the former division of Education, Arts and Social Science, as well as Head of the then School of Art, Architecture and Design.

Prof Cys has a BA (Politics) from the University of Adelaide, a BA (Interior Design) from the South Australian Institute of Technology, and a Master of Architecture and PhD from UniSA.

Her outstanding academic and professional standing has been widely recognised through awards such as Life Fellowship of the Design Institute of Australia in 2010, her induction to the Australian Design Hall of Fame in 2016, and her election to Honorary Fellowship of the Australian Institute of Architects in 2019.

Prof Cys took over the role from **Professor Allan Evans** who returned to a research role.

New Professorial Chair to honour the late Professor Mike Miller

The new SmartSat Professorial Chair in Telecommunications has been named in honour of the late **Emeritus Professor Mike Miller**, acknowledging his lifelong contributions to the field of wireless and defence communications and to UniSA.

Prof Miller, who passed away in November, spent 35 years at the University where he was Professor of Telecommunications and Foundation Director of the Institute for Telecommunications Research, which he established in 1994.

His contribution to telecommunications technology research and the field of engineering more broadly has been recognised through a number of national accolades.

He was elected Fellow of the Academy of Technology Science and Engineering in 1993, was named Australian Professional Engineer of the Year in 1995, received the Centenary Medal from the Australian Government for service in space science and technology in 2000, and was made an Officer of the Order of Australia in 2008.

The UniSA Michael Miller Medal, which Prof Miller established in 2005, continues to support aspiring researchers by recognising the UniSA STEM graduate or graduand with the most outstanding PhD thesis.

UniSA lung health expert takes the Oscar for Australia's emerging leader in science

Associate Professor Kristin Carson-Chahhoud won the 2021 Australian Museum AstraZeneca Eureka Prize for Emerging Leader in Science.

A UniSA researcher who "just scraped through high school" she was named Australia's emerging leader in science for her commitment to lung health and a vision for a smoke-free country.

The Australian Museum Eureka Prizes are the country's most comprehensive national science awards, honouring excellence across the areas of research & innovation, leadership, science engagement, and school science.

Assoc Prof Carson-Chahhoud has established national standards for Quitline counselling, using the same innovative augmented reality technology behind Pokémon Go to effectively communicate health messages, replacing complex, paper-based information.

She is currently an NHMRC Fellow at UniSA and Lead of the University's Translational Medicine and Technology Research Group within the Australian Centre for Precision Health, a multidisciplinary group of leading experts in genomics, population health and evidence translation to create the next generation of solutions for global health problems.



Associate Professor Kristin Carson-Chahhoud

UniSA honours arts icon Robyn Archer and innovative leader Paul Flynn

Renowned singer, writer, artistic director and public advocate for the arts, **Robyn Archer AO** was awarded an Honorary Doctorate from the University of South Australia in 2021 while Chief Executive Officer of the Hospital Research Foundation (THRF) Group, **Paul Flynn** became a University Fellow.

Archer was honoured for her distinguished service to the community, acknowledging her extensive contribution to the arts as both a creative and a mentor, dedicated to developing the next generation of arts and cultural leaders.

In addition to a successful music and stage career – 2019/20 marked the 40th anniversary of her hit one-woman show *A Star is Torn* which ran for a year in London's West End – Archer has been at the helm of a number of festivals, including the Adelaide and Melbourne International Arts Festivals, Centenary of Canberra, and Tasmania's Ten Days on the Island.

Author of several books, still performing regularly, and with her back catalogue of recordings being digitally re-released throughout 2021, under the Rouseabout Records label, Archer continues to be a global mentor for the European Festivals' Association Festival Academy and is a proud Ambassador for the Adelaide Crows.

Paul Flynn was named a University Fellow in recognition of his outstanding contribution to the growth and the development of UniSA.

An accomplished board director and executive in both the finance and not-for-profit sectors, Flynn has been the CEO of THRF Group since 2009. During this period, he has regularly collaborated with UniSA to drive research projects that benefit the wider community.

Flynn was instrumental in the development of the Invictus Pathways program, a collaboration between the University and THRF Group's Military and Emergency Services Health Australia (formerly The Road Home) which offers tailored training and fitness support for veterans and first responders.

After a successful two-year partnership, Military and Emergency Services Health Australia transferred the program activities to UniSA but remains an important supporter of the initiative, funding several related research projects.

Images illuminate UniSA's research and teaching expertise

Now in its seventh year, the winners and finalists of UniSA's Images of Research and Teaching competition have again captured the diversity of research and academic activities taking place across the University.

For the first time, this year the competition included the Teaching category reflecting an integrated strategic approach outlined in the new *UniSA Academic Enterprise Plan 2021-2025*.

Winners in the research category:

First prize: *Sottosopra* by **Joanna Majchrowska**, lecturer in art and visual communication. The image is of *Sottosopra* a chandelier designed as part of UniSA's fourth biennial research exhibition hosted by the JamFactory, which delved into the social, functional, and cultural values of chandeliers as a source of inquiry and research in exploring how this iconic object illustrates a narrative of contemporary society.

Second prize: *This is my office. Where's yours?* by geologist **Associate Professor Tom Raimondo**. As the old geologists' saying goes: 'The rocks won't come to you – you have to go to the rocks!' And sometimes this means being dropped by helicopter at the top of Pembroke Valley, looking down onto Milford Sound, New Zealand. One of the wettest places on Earth, but equally one of the most spectacular. The gorgeous view hides a rare secret: clues to how the deep plumbing network beneath volcanoes are organised, the engine room for the most geologically active regions on Earth.

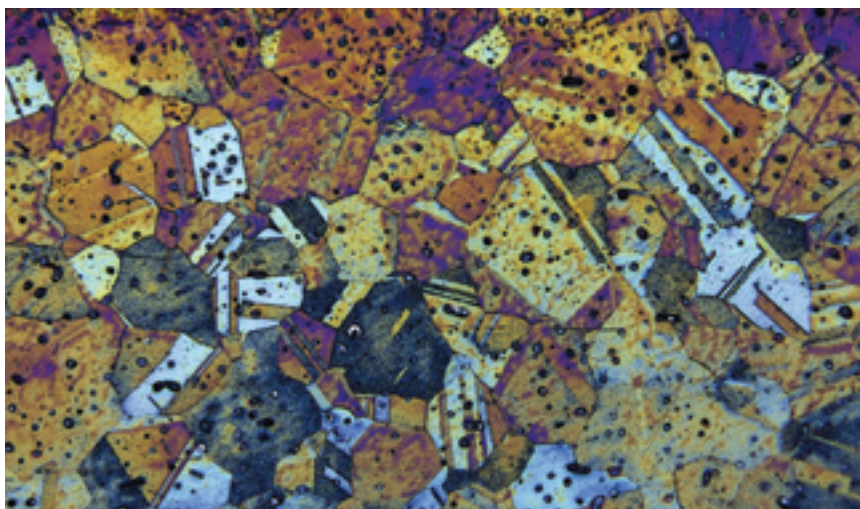
Third prize: *The mosaic of 3D printing* by **Andre Hatem**, PhD student at UniSA's Future Industries Institute. This image shows the microstructure of a 3D printed stainless steel alloy that resembles a mosaic stained glass window. The material was fabricated by the Binder Jetting Additive Manufacturing technique, in the Industry 4.0 Testlab facilities at UniSA's Mawson Lakes campus.



1st prize/research. *Sottosopra*, Joanna Majchrowska



2nd prize/research and People's Choice. *This is my office. Where's yours?* Associate Professor Tom Raimondo



3rd prize/research *The Mosaic of 3d Printing* By Andre Hatem

Winners in the teaching category:

First prize: Preparing for takeoff by **Dr Steve Leib**, Program Director: Aviation. Receiving instruction in the UniSA Aviation B737 simulator, a very lifelike experience!

Second prize: The fourth revolution by **Dr Dylan Delosangeles**, Exhibitions Coordinator at MOD. The Custom-Made Demonstrator was part of the current MOD. exhibition, It's Complicated. It was conceived, designed and produced by six UniSA final-year engineering students under the supervision of **Professor Mahfuz Aziz**. The project also involved four UniSA illustration and animation students, as well as long-term engagement with local industry and exhibition suppliers.

Third prize: A woman teaches by **Louis Sawtell**, Online Course Facilitator. A woman teaches features close-up shots of his role as an online course facilitator with UniSA Online. He teaches on the screen for the screen, in the 'Introduction to video production' course.



1st prize/teaching. Preparing for takeoff, Steven Leib



2nd prize/teaching. The fourth revolution, Dr Dylan Delosangeles



3rd prize/teaching A woman teaches by louise sawtell



PRECINCTS & COMMUNITIES

A classic case study of complex systems, Operation Cat Drop tells the story of how approaches to malaria control in 1950s Borneo had unintended and cascading effects on the food chain and spread of disease, which meant cats were parachuted in from coastal areas to try and control rat populations.

Photo by Sia Duff





Bradley Building dedicated in celebration of a champion of education

UniSA honoured the life and contribution of former Vice Chancellor, Emeritus Professor Denise Bradley AC, by dedicating its flagship health research and public engagement building in her name.

Family, friends and colleagues gathered at a ceremony in March where the building, formerly known as the UniSA Cancer Research Institute, officially became the Bradley Building.

From her earliest days as an educator, Denise was a fierce advocate for the vital role of education in transforming lives. She fiercely believed in the equality of access to opportunity that education provides.

Prof Bradley helped mould UniSA into an institution "unshackled by tradition, where optimism, industry connectivity and inclusion were all foundational values and where more Australians from diverse backgrounds could start to building their careers".



Senior Kaurna Elder Uncle Lewis Yarlupurka O'Brien.

UniSA honours Uncle Lewis Yarlupurka O'Brien

Uncle Lewis Yarlupurka O'Brien AO is an educator, philosopher, historian, advisor, counsellor, writer, and speaker of the Kaurna language. UniSA's Law Building was re-named in his honour and will be the future home of UniSA's Aboriginal Knowledges Centre, a community gathering space to foster cultural connections and knowledge sharing.

An Adjunct Professor and Fellow of the University, Uncle Lewis is the recipient of numerous awards – including the 1977 Aboriginal Elder of the Year, the 2009 National Committee of Human Rights Citizen of Humanity award, and an Order of Australia Medal.

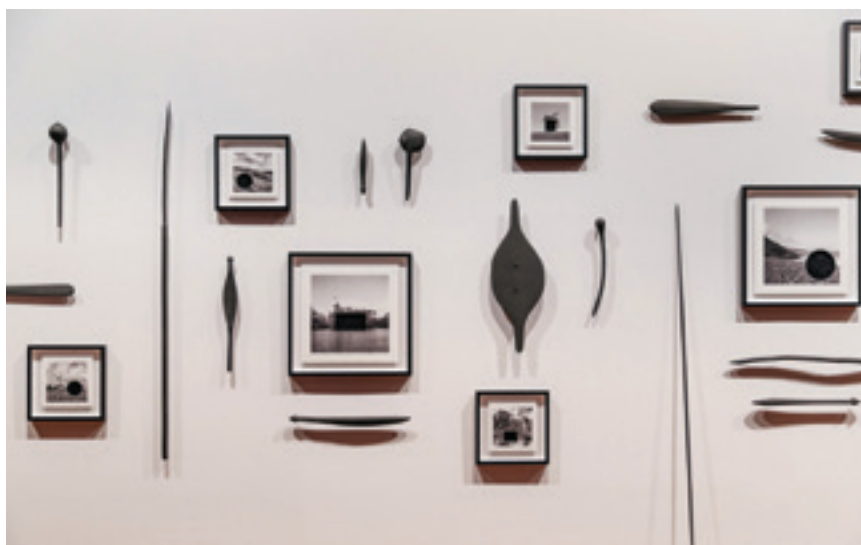
Uncle Lewis was a key consultant in integrating Aboriginal knowledge into science and engineering programs, which was an Australian first.

He was a chief investigator on an Australian Research Council (ARC) grant investigating the relationship between Aboriginal Knowledge and the environment, which was one of the first research projects of this kind to be developed and acknowledged by the ARC.

Uncle Lewis is a member of UniSA's Purkaminthi (Elders) in Residence group, which supports Aboriginal learning across the University.



Jesse JONES, *Tremble, Tremble*, 2017, installation featuring performance by Olwen Fouère, 2021 Adelaide//International. Image courtesy the artist.



James TYLOR, *The Darkness of Enlightenment*, 2021, installation of 18 photographs and 31 Kaurna and Ngarrindjeri recreated artefacts, 2021 Adelaide//International. Sound works by Anna Liebrecht. Assisted by the Australian Government through the Australia Council, its arts funding and advisory body.

The Samstag Museum of Art

In 2021 Samstag presented three ambitious seasons of exhibitions that brought together work by national and international artists that responded to global issues, local conditions, and that drew on deep and sustained research. We drew on the exhibitions to frame a lively, varied, and engaging suite of public programs and public resources that invited viewers to think deeply on the ideas raised by the works themselves and broader questions around culture and the visual arts.

In March Samstag launched the third and final *Adelaide//International* exhibition series for the Adelaide Festival, which considered the myriad ways in which we seek to unmake and remake the world in these unprecedented times. Irish artist **Jesse Jones'** *Tremble, Tremble*, which featured in the 57th Venice Biennale, summoned a feminist phantasm to proclaim a new social order from a woman's perspective.



Madison BYCROFT, *BIOPIC or Charles Geneviève Louis Auguste André Timothée*, 2021. Commissioned by Samstag Museum of Art and SALA Festival. Financed with the assistance of the South Australian Film Corporation.

Australian artist **Fayen d'Evie** recognised the environmental and social urgencies of our time, while exploring new ways to communicate, and **James Tylor** highlighted the consequences of broken links and acts of erasure through new views and recreated Kaurna and Ngarrindjeri artefacts. In a further act of reconciliation, we witnessed the processes of restorative justice as practiced in the Autonomous Region of Bougainville in **Taloi Havini's** *Tsomi, Wan-bel*.

The Winter Season highlighted a suite of exhibitions by three exceptional Samstag Scholars —**Alex Martinis Roe**, **James Nguyen** (with Victoria Pham) and **Madison Bycroft**. This included the feature-length *BIOPIC or Charles Geneviève Louis Auguste André Timothée*, by Bycroft, who is also a UniSA graduate. *BIOPIC*, commissioned in partnership with the South Australian Film Corporation and SALA Festival, exemplified Samstag's ongoing commitment to supporting the creation of ambitious screen-based works.

Alongside Alex Martinis Roe's exhibition *To Become Two*, we also gathered at the Mercury Cinema for Samstag's FEMINISM IN FILM program, presented over several Saturdays, to hear artists speaking on selected films with feminism at their core.

Taking on the resonant space between fiction and fact in documentary film works, we concluded this momentous year with Samstag's Spring Season of moving image installations. Presented in partnership with the Adelaide Film Festival, the exhibition highlighted significant works by Argentinian–Australian artist **Pilar Mata Dupont** and German-Israeli artist **Omer Fast**, with another provocative work by the ever-resourceful Northern Territory-based **Karrabing Film Collective**.

As a part of Samstag's academic engagement programs we hosted a series of online conversations featuring artists, collection curators and historians drawing out the issues around cultural agency, the politics of display, colonial legacies, and generative pathways to repair. Speakers included James Nguyen and Victoria Pham with Stephen Zagala (South Australian Museum), James Tylor with Dr Frances Wylde (UniSA) and Taloi Havini with Professor Nicholas Thomas (University of Cambridge).

At the SASA Gallery – UniSA Creative's student-focussed space for the work of graduating students and researchers, and the presentation of Samstag's academic engagement programs and workshops – we were delighted to present the work of UniSA HDR candidates – Angelica Harris Faull, Christopher Houghton and Amanda Sefton Hogg.

Highlights included the month-long experimental student and lecturer collaborative project *May* followed by *In the Round*, and the *Politics of Memory* workshop and performances complementing Alex Martinis Roe's Samstag exhibition, *To Become Two*.

In the digital space Samstag launched a North Terrace cultural institutions access guide, released five podcast episodes and commissioned 10 essays in response to each exhibition by renowned writers.

Finally, we announced South Australian-based artist **Jane Skeer** and **Trent Crawford** from Victoria as recipients of the prestigious Anne & Gordon Samstag International Visual Arts Scholarships for 2022.

The Bob Hawke Prime Ministerial Centre

Notable lectures presented by The Bob Hawke Prime Ministerial Centre

Reset: Restoring Australia After the Pandemic Recession

Ross Garnaut AC In-Conversation with Tory Shepherd

Renowned economist Ross Garnaut discussed how the COVID-19 crisis offered Australia the opportunity to reset its economy and build a successful future – and why the old approaches will not work. In his book, *Reset*, Garnaut develops the idea of a renewable superpower, he calls for a basic income and he explores what the 'decoupling' of China and the United States will mean for Australia.

As we strive to overcome the coronavirus challenge, we need new, practical ideas to restore Australia. Ross Garnaut presented his ideas, followed by an In-Conversation with author and journalist, Tory Shepherd.

Elders Speak: What is the Future of Aboriginal Education?

A panel of experts, included members of Purkarninhi, UniSA Elders in Residence, discussed the need for a two-way education system that recognises and respects the cultures, languages and identities of Aboriginal children and young people, as set out in Article 14 of the United Nations Declaration on the Rights of Aboriginal Peoples.

Local Aboriginal Elders, who have been at the forefront of the fight for the right to be educated, and have worked in the education system over the last 50 years, shared their thoughts and hopes for the younger generations of Aboriginal children and youth, particularly those who are being left behind. Their fight now is for a fair and equitable education process that provides a rounded education for all young people, whatever their capability and diversity.



Embracing the Ordinary Moment – Kerry Packer Civic Gallery exhibition presented with Neami National.

The Power of Quality Universal Early Childhood Education: Economic Empowerment, Healthy Relationships and Gender Equality.

Thrive By Five CEO and former SA Premier The Hon Jay Weatherill AO joined 2015 Australian of the Year Rosie Batty AO, White Ribbon Australia Executive Director Brad Chilcott and the United Workers Union National President Jo Schofield to discuss the power of high quality, easily accessible and affordable early learning and childcare to help build economic empowerment, healthy relationships and gender equality. They were joined by writer and journalist, Tory Shepherd.

Disinformation: A Toxic Mix of Media, Politics and Vested Interests.

The Hon Kevin Rudd AC In-Conversation with Quentin Dempster AM

The Bob Hawke Prime Ministerial Centre and ABC Friends (SA/NT) presented an online discussion on the important topic of Disinformation. Former Prime Minister The Hon Kevin Rudd AC, in conversation with Walkley award-winning journalist Quentin Dempster AM, addressed key questions around disinformation and the ways it has been weaponised in our media to undermine Democracy.

Who Gets to be Smart? Bri Lee In-Conversation with Jane Caro AM

Bri Lee, best-selling and award-winning author of *Eggshell Skull*, asks Who gets to be smart? in a forensic and hard-hitting exploration of knowledge, power and privilege. Bri was in-conversation with social commentator Jane Caro AM.

Interrogating the adage, 'knowledge is power', and calling institutional prejudice to account, Bri Lee dives into her own privilege and presumptions to bring us the stark and confronting results. Far from offering any 'equality of opportunity', Australia's education system exacerbates social stratification, as *Who Gets To Be Smart* takes a hard look at the Australian schooling system.

Secrets of Women's Healthy Ageing.

Professor Cassandra Szoeki In-Conversation with Professor Susan Hillier

This online event with Professor Cassandra Szoeki explored her research-based approach to ageing well: *Secrets of Women's Healthy Ageing. Living Better, Living Longer*. Cassandra was in-conversation with University of South Australia's Professor Susan Hillier. *Secrets of Women's Healthy Ageing* draws on the findings of a unique study that has focused on the health of more than four hundred women in their mid-to-late lives. Over the past thirty years a team of international investigators has compiled a remarkable amount of data, aiming to raise awareness of modifiable risk factors in women's health.

So You Think You Know What's Good For You? Dr Norman Swan

Informative, accessible and easy to understand, *So You Think You Know What's Good for You?* has everything you need to know about health and wellbeing, delivered with Dr Norman Swan's trademark clarity and wit. After many years of listening, Norman Swan knows what medical issues people are curious and concerned about. Drawing on the questions he hears time and again, from millennials to baby boomers and all the generations between, *So You Think You Know What's Good For You?* is a one-stop handbook that will settle fruitless anxieties and allow people to focus on what matters to them.

William Cooper: An Aboriginal Life Story

Professor Bain Attwood In-Conversation with Senator Patrick Dodson

Professor Bain Attwood provided an important tribute to the work and life of an extraordinary Aboriginal activist in his latest book, *William Cooper: An Aboriginal Life Story*. Bain was in-conversation with Senator Patrick Dodson.

Not politically active until his 70s, William Cooper became a notable activist, best recognised for his landmark 1933 petition to the King for representation of Aboriginal people in the Commonwealth Parliament. Bain Attwood reconstructs the first 70 years of Cooper's life, foregrounding his political achievements, and piecing together the story of how he came to be a politically active figure to be recognised and celebrated today.

MOD.

The first exhibition to land was IT'S COMPLICATED, a cacophony of experiences that introduced visitors to seven principles of complex system thinking. Parachuting cats introduced the history of malaria control and current research into gene drives. The downstairs galleries became a focus of underwater ecologies, highlights of which included our touchscreen game and app Octopus Estate and thrice daily oyster feeding to delighted crowds. Upstairs we presented Custom-Made, an Industry 4.0 demonstrator which was designed in collaboration with honours engineering students. We developed an interactive floor game to share the developments being made in car T-cell therapies by research and enterprise in the newly named Bradley Building. 55,670 visitors came through the exhibition providing feedback resulting in a Net Promoter Score of 44. 39% of those surveyed said the exhibition had inspired them to think about study or work in STEM.

The second exhibition to land was online exhibition UP CLOSE. The themes for UP CLOSE were informed by a Future Themes Forum we ran for 90 stakeholders in 2019, where conversations raised the desire to think about both love and microscopy. UP CLOSE drew on digital thinking mindsets enabling visiting to zoom out from inside the body through to our relationships with each other, machines, and place. There were 63,100 page views for UP CLOSE, 450 attendees for online workshops including one by international data visualisation specialist Stefanie Posavec, and 150 attendances at in-person events including quiz nights and intimate performances of "Two Strangers" by Tilly Cobham-Hervey.



Cell Invaders, an exhibit exploring CAR-T therapy as a treatment for cancer.



Custom-Made, an exhibit using robotics to demonstrate Industry 4.0 integration.

The restoration of some funding for programs and advertising saw us attract some of the young adult target audience that had fallen without this activity. Our programs included regular scheduling of lunchtime researcher panels and the introduction of the Ethos events on ethical discussions relating to emerging research and technologies in topics like smart phones and devices, plant-based milk, and DIY DNA kits. Excitingly, we also fine-tuned our secondary school work experience program, hosting 8 students over 2 weeks to develop a guided walk "Science on the Streets" for National Science Week.

The tour reveals the hidden science along North Tce working with partners including the South Australian Museum, the Australian Space Discovery Centre, and the Adelaide Botanic Gardens.

On the operational front we welcomed more UniSA students and recent graduates to our moderator team and opened our spaces again for internal venue hire. We also reviewed our physical assets in terms of reusable exhibit supplies, and renovated two storage spaces to become useable gallery and workshops spaces in preparation for 2022.



GOVERNANCE & MANAGEMENT



Council Members



Top, from left to right: Ms Vanessa Matthews; Mr Ian Smith AM, Mr Jim Whalley; 2nd row: Mr Michael Abbott AO QC, Professor Caroline McMillan AO, Ms Nicole Rantanen Reynolds, Dr Kit MacFarlane, Professor Vicki Waye; Bottom row: Mr Ayrton Hogan, the Hon John Hill, Ms Pauline Carr and Mr Isaac Solomon. Inset top to bottom: Professor David Lloyd, Mr Jim Hazel, Mr Bill Muirhead AM, Ms Mary Patetsos.

Ms Pauline Carr, FAICD, FCIA FCG(CS,CGP), MBA, BEc(ANU), Chancellor; Member appointed by Council

Originally an accountant, South Australian born Pauline Carr is a professional non-executive Director and has built a 30 plus year career bringing her executive experience, business improvement, governance, compliance and risk management consultancy services to a range of companies in the resources, construction, superannuation, education, retail and community health care sectors.

She was invited onto UniSA's Council in 2010 and was appointed Chancellor in August 2018. Prior to being appointed as Chancellor she was Chair of the Council's Audit and Risk Committee (2011–2018) and a member of both the Finance Committee and the Senior Remuneration Committee. She currently chairs the Senior Remuneration Committee and the Governance and Nomination Committee.

A graduate of ANU, Pauline has a Bachelor degree in economics and an MBA. She was part of the graduate intake into the global oil and gas organisation, Esso Australia (now Exxon Mobil) in Sydney where she worked as a financial analyst, accountant, internal auditor and in government and community relations.

Some years later Pauline returned to Adelaide to a divisional accounting leadership role with Normandy Mining Limited. She assumed increasing responsibilities for a range of areas and became a member of its executive team and was an integral part of the company's growth and international expansion through mergers and acquisitions, which led Normandy to become Australia's largest gold mining company, the fifth largest in the world. She took an executive role with Newmont Mining Asia Pacific (part of Newmont Mining Corporation) the world's largest gold miner, following its take over of Normandy.

Pauline's areas of expertise include continuous improvement, governance, compliance and risk management. Her career has included a number of Board roles and she is currently chairman of National Pharmacies and the SA Government's Minerals and Energy Advisory Council and is a non-executive director of ASX-listed companies Highfield Resources Limited and Australian Rare Earths Limited.

Professor David Lloyd FTSE, FRSC, CChem, PhD, BSc(Hons), Vice Chancellor and President

David Lloyd is Vice Chancellor and President of the University of South Australia. A Dublin-born and educated chemist who specialises in computer-aided drug design, Professor Lloyd has re-focused institutional culture to position UniSA as Australia's university of enterprise and to shape its activities to better meet the challenges of the 21st century.

Professor Lloyd was a member of the South Australia Economic Development Board (EDB) from 2014 to 2018. A past Chair of the Australian Technology Network group of technology-focused universities, he now sits on the board of Universities Australia, the peak body representing the university sector where he is now Deputy Chair. He was also appointed to the Australian Research Council's (ARC) Advisory Council to provide advice to the ARC on key research policy issues, to lend independent strategic guidance and experience that will strengthen the ARC's ability to support research and innovation in Australia. In 2019 he was appointed as chair of the Committee for Adelaide which is dedicated to meeting 21st century challenges and opportunities.

Professor Lloyd qualified with a Bachelor of Science (Honours) in Applied Chemistry and a PhD in Medicinal Organic Chemistry from Dublin City University. He holds an honorary Professorship from Tianjin University, is a Fellow of the Royal Society of Chemistry and a Fellow of the Australian Academy of Technology and Engineering.

Hon John Hill FAICD, LLB, DipEd, BA Deputy Chancellor; Member appointed by Council

John Hill's Parliamentary career began in 1997. He served in a number of ministerial roles – including Minister for Environment and Conservation [2002–2006], Minister for Health [2005–2013] and assistant Minister and Minister for the Arts [2002–2013]. John retired from the Cabinet in 2013 and Parliament in 2014 and is a member of various boards – including: ACH Group, Bellberry Ltd, and Private Healthcare Australia.

John was appointed as Deputy Chancellor in December 2018.

Mr James (Jim) Hazel FAICD, SF Fin, BEc, Pro Chancellor; Member appointed by Council

Jim Hazel holds a number of non-executive board positions, following an extensive national and international career in banking and investment banking.

He is a director of ASX listed companies Bendigo & Adelaide Bank Limited and Ingenia Communities Group (Chairman). He is also a director of Coopers Brewery Limited and Precision Group, as well as Chair of the Adelaide Festival Centre Trust.

His past board experience is extensive, and he has regularly chaired board committees in the areas of Audit, Risk, Finance, Credit, Governance and Remuneration.

Mr Michael Abbott AO QC, LLB; Member appointed by Council

Michael Abbott graduated with a Bachelor of Laws degree from the University of Adelaide in 1964 and in 1966 was admitted to practice as a Barrister and Solicitor of the Supreme Court of South Australia. He has appeared in the High Court and in the Supreme Courts of all States and Territories of Australia and was appointed as Queens Counsel in South Australia in 1984. He has held the position of Chairman of the Legal Services Commission of South Australia, The Bar Association of South Australia, the Criminal Law Committee of the Law Society of South Australia and acted as Human Rights Observer for the Law Council of Australia.

Michael was subsequently awarded an AO (Officer of the Order of Australia) for his services to the law, the arts and international relations, particularly international cultural relations.

Michael is an enthusiastic promoter of increased cultural contacts between Australia, particularly South Australia and India, Asia and South East Asia. Michael believes that increased cultural contact will not only lead to increased trade but will benefit South Australian Society in every way.

Ms Mary Patetsos, Member appointed by Council

A passionate South Australian with strong national and global networks Mary is a professional non-Executive Board Director. Her extensive experience across the private, government and not for profit sectors has resulted in expertise in governance, strategy, stakeholder engagement and leadership. Mary's leadership and skills in public policy and governance are linked with knowledge and experience in corporate and commercial enterprise.

Mary holds a range of Chairman and board positions, including Chair of FECCA (Federation of Ethnic Communities Council of Australia), Chair of the private sector Aged Care provider, ACH Group, Board Director Northern Area Local Health Network – NALHN, SA Health, Board Director Consumer Health Forum, Council Member - National Aged Care Advisory Council, Board Director, CANDo for Kids, Board Director Glenelg Community Hospital, Member of the National Aged Care Alliance and Member, National Aged Care Quality Commission Advisory Committee. She is also the Chair of Audit, Risk and Finance Committees and Chair of Clinical Governance at NALHN.

**Mr Jim Whalley MBA, BSc;
Member appointed by Council**

Jim is Deputy Chair, Executive Director and co-founder of Nova Group. He is a former air force fighter pilot and test pilot and a graduate of the Royal Air Force Empire Test Pilots' School. Amongst other qualifications, he holds a Master of Business Administration, a science degree majoring in physics and has completed the Harvard Business School OPM Executive Education Program. Jim is active in several business forums and is a director of the Adelaide Festival of Arts, AmCham and Australian Naval Infrastructure.

He is a member of the Sir Ross and Keith Smith Fund Advisory Committee. Former roles have included Chair of the SA Defence Industry Association, the Defence Teaming Centre, Deputy Chair of the Repatriation Foundation and member of the Australian Industry Group Defence Council. He retains a strong personal interest in aviation as a civilian pilot and flies, flight tests and displays a range of antique, warbird and experimental aircraft and helicopters in his spare time.

**Professor Caroline McMillen AO,
DPhil (Oxon), MB, BChir (Cambridge)
BA(Hons) (Oxon) Member appointed
by Council**

Professor Caroline McMillen commenced in the role as Chief Scientist for South Australia in October 2018 after serving as Vice-Chancellor of the University of Newcastle for seven years from 2011. She is a Fellow of the Australian Academy of Health and Medical Sciences, a Fellow of the Royal Society of New South Wales and a Bragg Member of the Royal Institution, Australia. She holds a BA (Honours) and Doctor of Philosophy from the University of Oxford, and completed her medical training graduating with an MB, BChir from the University of Cambridge. She has served in academic leadership positions at Monash University, the University of Adelaide and at the University of South Australia where she held the role of Deputy Vice Chancellor: Research and Innovation, prior to her move to Newcastle.

Professor McMillen's research focuses on the role of the environment in early development in determining the metabolic and cardiovascular health of the offspring in later life. Her research group was funded for two decades by both the ARC and the NHMRC, she was a member of the PMSEIC Working Group on Aboriginal and Torres Strait Islander health focusing on maternal, fetal and post-natal health and she has been a chair and member of international and national research policy, review and assessment panels. Throughout her career she has been committed to building collaborations between universities, government, industry and communities which deliver a positive impact on the economic, social and cultural health of Australia. She was honoured at the end of her term as Vice-Chancellor, being presented with the Key to the City of Newcastle by the Lord Mayor of Newcastle.

**Mr Ian Smith AM,
Member appointed by Council**

Mr Ian Smith is the founding partner of corporate and political advisory firm Bespoke Approach. He is Senior Adviser to Albright Stonebridge Group, a Washington-based strategy consultancy. Ian is involved in refugee advocacy, chairing Barefoot to Boots, a charity assisting refugee camps and their host communities, and a director of Community Refugee Sponsorship Australia. He is a Director of Developing East Arnhem Limited, assisting the remote region's economic development. Ian is the United Kingdom's Honorary Consul for South Australia and the Deputy Chair of Prince's Trust Australia, founded by his Royal Highness The Prince of Wales. He became a Member of the Order of Australia (AM) in June 2018.

**Ms Nicolle Rantanen Reynolds,
FCPA, FAICD, FTIA MBA, M
Commercial Law, BCom,
Member appointed by Council**

Nicolle is an experienced Non-Executive Director of public unlisted companies and various strategic boards. Nicolle is a member of the Credit Union SA Board (Audit Committee Chair), The Grange Golf Club (Vice President and Finance Committee Chair), Cancer Council SA (Finance and Audit Committee Chair), Australian Institute of Company Directors SA/NT Councillor and a member of various Government and Local Government Audit and Finance Committees.

She holds a Masters in Commercial Law, an MBA and is a Fellow of the Australian Society of CPAs, Fellow of the Australian Institute of Company Directors and Fellow of the Taxation Institute of Australia. Nicolle also holds a Bachelor of Commerce.

Nicolle is the South Australian Public Trustee and manages over 200 staff with responsibilities including corporate strategy, financial management and investment of over \$1.3billion. Prior to this she was the Chief Operating Officer of the South Australian Department of Treasury and Finance.

**Professor Vicki Waye, PhD, LLM,
GradDip Legal Practice, LLB(Hons),
Chair of Academic Board**

Professor Vicki Waye is the Dean of Law, UniSA Justice & Society from April 2020 and prior to this was a Foundation Professor of Law at the School of Law, and from 2010 - 2015 was the Dean of Teaching and Learning at the University of South Australia Business School (incorporating Business and Law). Professor Waye holds a Bachelor of Laws (LLB, Hons), a Graduate Diploma of Legal Practice, a Master of Laws (LLM) and a PhD from the University of Sydney. She is a member of the Judicial Development Committee (SA), which provides professional development programs for judges and magistrates of the South Australian Courts, a member of Council of the Law Society of South Australia and the Law Council of Australia, and a member of the executive of the Australasian branch of the International Wine Lawyers Association.

Professor Wayne's teaching expertise includes Arbitration Law (both national and international), Evidence and Procedure, Corporate Law, Contract Law and Wine Law. Throughout her teaching career, Professor Wayne has demonstrated her commitment to effective student-centred learning and applying innovative teaching methodologies. Professor Wayne has a prodigious and varied research record, reflecting the globalized state of commerce and the legal profession, and incorporating international and comparative elements. However, Professor Wayne focuses on two main fields – firstly, systems of justice, including ways that access to justice is affected by matters such as litigation funding and mechanisms of collective redress, and secondly, the global food and wine trade. Professor Wayne has published over 50 academic and legal journal articles and book chapters and presented her research to conferences in Australia and overseas.

Mr Bill Muirhead AM

Bill Muirhead is a founder and executive director of the new Communications Company Act 111. Prior to this he was a Founder and Executive Director of M&C Saatchi.

From 2007 to 2021 he was the Agent General for the Government of South Australia. He has been a Director of The Australia Day Foundation since it was formed in 2003.

He began his advertising career with Ogilvy and Mather before joining Saatchi & Saatchi. He became Worldwide Chief Executive and President in 1988 based in New York. When he returned to London in 1995, he co-founded M&C Saatchi.

In 2011 he founded the South Australia Club, an international community of people with an active interest in South Australia through business, politics, academia, media and the arts.

In 2013, he became a Member in the General Division of the Order of Australia, for significant service to the community of South Australia through the promotion of international trade. He has also been involved in the Mentor Me programme in South Australia, an initiative to help young Britons to develop useful skills and to find employment.

Mr Ayrton Hogan

Ayrton Hogan is a Master of Business Administration student and the USASA Postgraduate Representative in 2022 at the University of South Australia.

Ayrton holds a Bachelor of Creative Technology in Sound Engineering and a Master of Clinical Audiology. He has worked in the hearing care industry for the last ten years. His experience includes clinical work in a hospital, as well as various commercial and training roles for a hearing device manufacturer within Australia and in global roles based out of Denmark.

Ayrton is passionate about empowering people to realise better outcomes for themselves. He provides independent consulting to organizations on training, capability development, facilitation, coaching and public speaking. Additionally, Ayrton is contracted with the World Health Organization to contribute to the Make Listening Safe initiative which aims to reduce the risks of hearing damage from recreational listening practices.

Mr Isaac Solomon

Isaac Solomon is a Bachelor of Laws/ Bachelor of Arts (History) student and the USASA Student President in 2022. He brings a broad range of governance experience from working across both State and local government. With a background in community advocacy and participation in a number of youth advisory groups, Isaac is no stranger to collaborative decision-making.

Isaac has a passion for sport, playing and coaching soccer for a number of years, including coaching for the UniSA Soccer Club. He also has a strong love of the arts and acting, having previously worked in professional film and theatre productions.

Isaac started at the University of South Australia in 2020 and aims to become a lawyer upon completing his studies.

Dr Kit MacFarlane

Kit MacFarlane is a lecturer in Creative Writing and Literature in UniSA Creative and holds a Bachelor of Arts (Honours) and a Diploma in Language from Flinders University and a PhD from La Trobe University. Kit's writing and research interests lie in media and pop culture history and include regular publication in these areas. As a Teaching Academic, Kit has a strong belief in the transformative role of tertiary education, the vital roles that teaching and research play in a university, and the importance of universities serving the public good.

Ms Vanessa Matthews

Vanessa Matthews is the University's Students and Research Registrar and has extensive experience in customer service, human resource management, and student and academic services. Vanessa has a passion for supporting the academic and research success of UniSA's students, and currently leads a large student services portfolio, including scholarships, student support, research student administration, student reporting and systems, and graduations.

Vanessa has worked for the University for 19 years, and holds a Master of Human Resource Management and a Bachelor of Arts.

The Council farewellled and thanked Council members Noah Beckmann, Dinuk Nanayakkara, Barbara Parker and Karen Hunt whose terms concluded in 2021.



Noah Beckmann



Dinuk Nanayakkara



Barbara Parker



Karen Hunt

Enterprise Leadership Team



Professor David Lloyd

Professor David Lloyd is Vice Chancellor and President of the University of South Australia

A Dublin-born and educated chemist, who specialises in computer-aided drug design, Professor Lloyd has re-focused institutional culture to position UniSA as Australia's university of enterprise and to shape its activities to better meet the challenges of the 21st century.

Professor Lloyd was a member of the South Australian Economic Development Board (EDB) from 2014–2018. A past Chair of the Australian Technology Network group of technology-focused universities, he now sits on the board of Universities Australia, the peak body representing the university sector where he is now Deputy Chair.

He was also recently appointed to the Australian Research Council's (ARC) Advisory Council to provide advice to the ARC on key research policy issues, to lend independent strategic guidance and experience that will strengthen the ARC's ability to support research and innovation in Australia.

Before joining the University of South Australia, Professor Lloyd was Vice-President for Research and later Bursar and Director of Strategic Innovation at Trinity College Dublin. Professor Lloyd was Chair of the Irish Research Council and prior to academia, worked in the pharmaceutical industry in the UK.

He holds an honorary Professorship from Tianjin University and is a Fellow of the Royal Society of Chemistry and a Fellow of the Australian Academy of Technology and Engineering. He is also Chair of the Committee for Adelaide, formed to meet 21st century challenges and opportunities.

Professor Lloyd qualified with a Bachelor of Science (Honours) in Applied Chemistry and a PhD in Medicinal Organic Chemistry from Dublin City University. He additionally holds an MA (j.o.) from Trinity College and an Honorary Doctorate from the late Sir Terry Pratchett's Unseen University.



Professor Allan Evans

Professor Allan Evans, Provost Chief Academic Officer

Allan graduated in 1982 with a Bachelor of Pharmacy at the South Australian Institute of Technology, UniSA's antecedent institution. In 1989, he obtained his PhD in clinical pharmacology from the University of Adelaide. He followed this with post-doctoral experience at the University of Manchester, UK. Allan has been an academic at UniSA for over 25 years, taking on various leadership positions including Senior Lecturer and Associate Professor. He was promoted to Professor in Pharmaceutics in 2003. The following year, he became Head of the School of Pharmacy and Medical Sciences, where he was instrumental in establishing the Sansom Institute (now the Division-based Sansom Institute for Health Research) and in supporting tremendous growth in the School's research activity and teaching profile. In 2009, he became Pro Vice Chancellor and Vice President: Division of Health Sciences.

Through his leadership, the Division registered significant growth in student numbers and experienced sustained improvement in research activity. In 2013, Allan was appointed UniSA's first Provost & Chief Academic Officer. As Provost, he is responsible for enhancing UniSA's educational offerings, providing an outstanding student experience, and planning and development of the University's academic programs. Since assuming office, Allan has launched a whole-of-University review of the curriculum to examine the overall disciplinary profile of each School focusing on teaching quality, student engagement and satisfaction, and the uptake of the University's blended and external delivery.

Allan has a significant research career. He has more than 100 peer-reviewed publications with over 1,400 literature citations and has held NHMRC and/or ARC grants on an ongoing basis since 1994. His research interests are broad, and include basic, clinical and commercial research into the better use of medicines as well as the development of new ways of using medicines to treat skin cancer and kidney disease. Allan's group has attracted over \$15 million in Category 1–4 research income to UniSA. Allan is former President of the Australasian Pharmaceutical Science Association (APSA) and winner of the APSA medal for outstanding contributions to pharmaceutical science.

Allan previously served as non-executive Director of CPR Pharma Services Ltd, a spin-off company that he helped to form in 2009. He has a keen interest in supporting innovation in the health and medical sector and encouraging entrepreneurial activity within UniSA.

Allan returned to an academic career as a researcher in pharmaceutical science at the end of 2021.



Professor Marnie Hughes-Warrington

Professor Marnie Hughes-Warrington, Deputy Vice Chancellor Research and Enterprise

Professor Marnie Hughes-Warrington is the strategic and operational leader across research activities at the University of South Australia. Her role is to design and deliver approaches that help staff and research students alike to engage with industry, government and community to deliver novel and transformational solutions to problems, and to change the ways that we think about the world.

A graduate of the Universities of Tasmania and Oxford, Marnie has a strong global profile as a philosopher and as an historian who seeks to explain why histories and historical thinking play an important role in making a good, fair and just world. The impact of her work has been broad: her writing has been translated into five languages, over 26,000 copies of her books have been sold, and her theories are taught across the world. She has led or been an investigator on a total of \$18 million in grants. Her most recent book is *History as Wonder* (2018), and her current research investigates the connections between the scales of history and ethics, and the logic at play in machine-made histories. She serves on the editorial board for the *Journal of Global History*, which is published by Cambridge University Press.

Prior to taking up the role, she was Deputy Vice-Chancellor Academic and Professor of History at the Australian National University (2012–19), where her duties ranged from admissions, academic standards and chairing the revenue committee for edX, through to academic school reviews and promotions.

Her achievements included the development of a more diverse researcher workforce through systemic changes to promotion and recruitment; the \$260 million Kambri campus redevelopment; and the \$106 million Tuckwell gift.

In addition to these contributions, she was the first woman to be National Secretary for the Rhodes Scholarships Australia and she currently serves on the Rhodes Trust Scholarships Committee, which looks after over 100 scholarships worldwide. She is also a member of the National Selection Panel for the Westpac Scholars Trust.



Professor Marie Wilson

Professor Marie Wilson, Chief Academic Services Officer, Campus Consolidation Coordinator

Professor Marie Wilson is Chief Academic Services Officer for the University of South Australia. Professor Wilson is a member of the Executive Leadership Team of the University, with responsibility for student services, student administration, student equity and engagement, and UniSA International.

Professor Wilson has a track record of delivering in both industry and university leadership. In her former role as leader of the UniSA Business School, the University received national and international awards for innovation and student services, and was repeatedly commended for its enterprising service culture.

Professor Wilson has studied and worked across the globe and has been a senior manager in strategy and HRM for seven public companies, including one of the world's largest IT firms. Professor Wilson's specialities include the management of performance (with a focus on professionals and knowledge work), and judgment and decision-making in professional settings. Her most recent work has established new insights into clinical decision-making and the intersection of commercialisation and researcher careers.

Professor Wilson holds a Juris Doctor in contract and employment law, and a PhD in management, and has over twenty years of university leadership experience, including senior roles at Griffith University and the University of Auckland. She also has extensive experience in high technology ventures, and is a Fellow of the Australian Institute of Company Directors. Professor Wilson is also a member of the State Advisory Council (SA/NT) of the Committee for Economic Development of Australia (CEDA) and sponsor of CEDA's Women and Leadership program for over ten years.

After six months directing UniSA's Campus Consolidation Project, Marie took a sabbatical to focus on the Future Workplace Project.



Mr Paul Beard

Mr Paul Beard, Chief Operating Officer

Paul Beard is the Chief Operating Officer and a member of the Senior Management Group, with overall responsibility for: Facilities Management: campus infrastructure, campus services and commercial services; Finance: financial management, treasury and strategic procurement; Information Strategy and Technology Services: central IT infrastructure, IT systems and services and the Library.

Paul commenced in the role of Chief Operating Officer in November 2009. Prior to this he was appointed to UniSA in 2001 as Executive Director and Vice President: Finance and Resources. He previously worked in senior roles in the private and public sectors. In the South Australian electricity industry during a period of significant organisational and industry change, his roles included Chief Financial Officer of ETSA Power and Manager Finance with the new private sector owner, AGL. Prior to this he worked as a Senior Manager with Deloitte in Adelaide and the United Kingdom.

Paul is a Chartered Accountant and completed the Advanced Management Program at the Harvard Business School in 2007. Paul is a Director on the Boards of UniSA Ventures: the technology commercialisation company of UniSA; and Open Universities Australia (OUA): a national leader in online higher education.



Ms Jane Booth

Ms Jane Booth, Executive Director People, Talent and Culture

Jane is an experienced leader with proven expertise in people and talent development, culture transformation and change. Jane joined UniSA in a new role as Executive Director People, Talent and Culture in December 2016.

Her key responsibilities include: Leading the Human Resource functions of the University including Workplace Strategy, Organisational Development, Wellbeing and Employee Benefits, Employee Relations, Recruitment Central, Payroll and Superannuation; Supporting the team who deliver people services to our academic and professional staff; and enabling them to support UniSA's aspirations with and through our people.

Jane has previously worked as Executive Director: People, Talent and Culture at SA Health, was a General Manager at Adelaide City Council leading economic development, strategy and innovation, people and culture and information and communication technology and prior to that was an Associate Director at PwC in management consulting. Before emigrating to South Australia Jane had an extensive career in the national media in the UK. She is a member of the executive committee of AHEIA, the Australian Higher Education Industrial Association and the Risk and Performance Committee for the Office of the Commissioner for Public Sector Employment (OCPSE).



Mr Tom Steer

Mr Tom Steer, Chief Academic Services Officer

Tom Steer is the Chief Academic Services Officer for the University of South Australia. In this role Tom leads a portfolio that includes Student and Academic Services, UniSA International, the Student Engagement Unit and Regional Campuses.

Tom joined UniSA in 2017 to lead the start-up and launch of UniSA Online, the online education arm of the University of South Australia. Tom led UniSA Online during three consecutive years of rapid growth, product expansion and service improvement, exceeding student recruitment targets and ranked amongst the best in Australia for external student satisfaction.

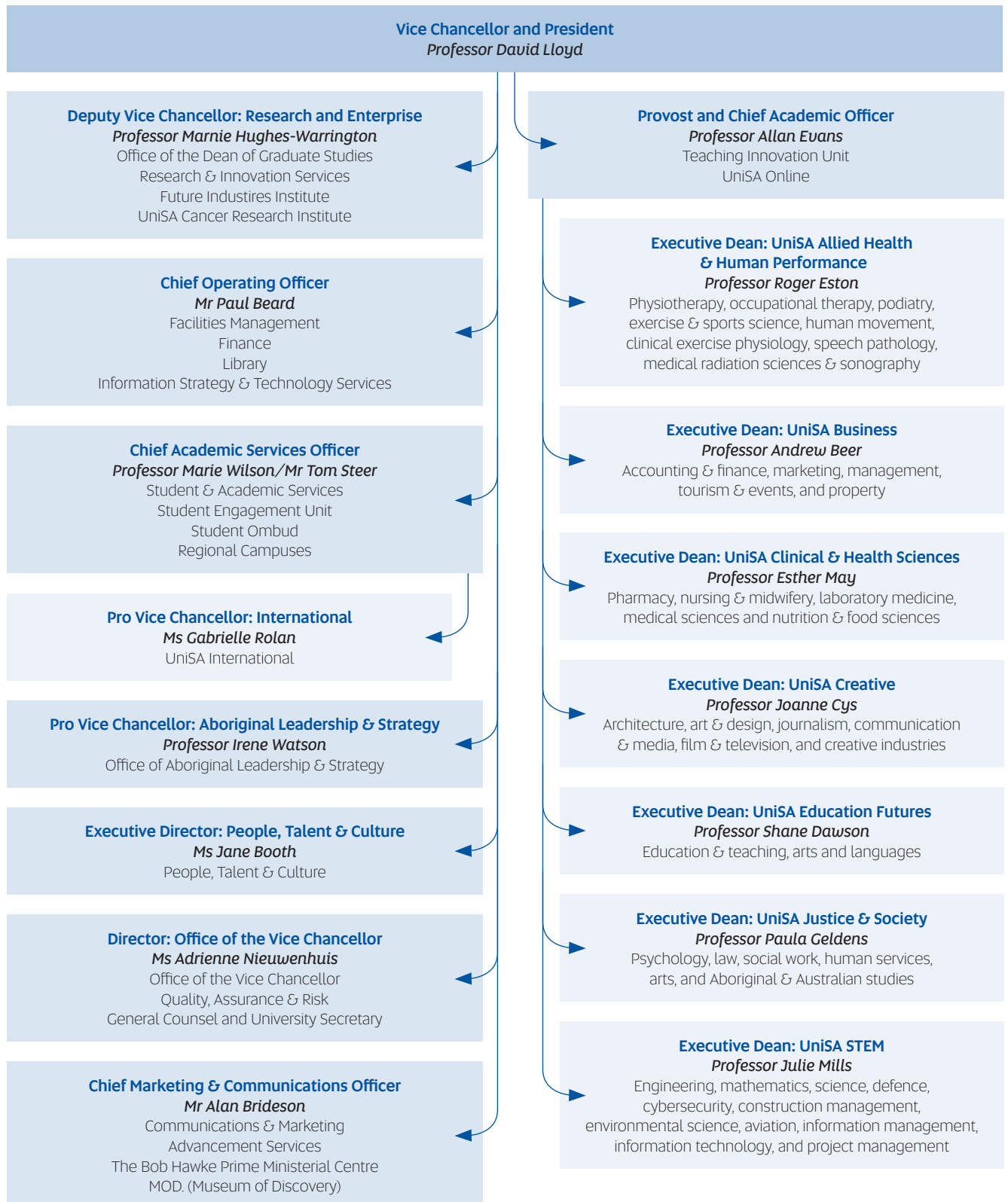
Prior to joining the University, Tom was Chief of Staff for Hewlett Packard Enterprise (HPE) Australia & New Zealand, a Fortune 50 company and global leader in IT products and services.

During his career with Hewlett Packard, Tom lived and worked in London and Canberra, undertaking a range of client-facing executive roles with large Public Sector customers.

Tom has a Masters Degree in Business Information Systems (MBIS) from the University of South Australia and is a Graduate of the Australian Institute of Company Directors (AICD).

Tom is also a Non-Executive Director on the Board of SATAC (South Australian Tertiary Admissions Centre) Limited, which processes and assesses applications for entry to tertiary courses in South Australia and the Northern Territory.

University of South Australia Organisational Structure



Administration

The Vice Chancellor

The Vice Chancellor and President is the University's Chief Executive Officer, and is responsible for its management and administration. The Vice Chancellor is appointed by, and reports to, University Council, which delegates to the Vice Chancellor a range of powers and functions. The Vice Chancellor, in turn, authorises appropriate staff to manage the University's affairs. The responsibilities of each type of management position are detailed in the Vice Chancellor's Authorisations.

Senior management

The University's senior managers are the Deputy Vice Chancellor Research & Enterprise, the Provost and Chief Academic Officer, the Chief Academic Services Officer, the Chief Operating Officer and the Executive Director, People, Talent and Culture. With the Vice Chancellor, they form the Enterprise Leadership Team, which meets regularly and provides advice to the Vice Chancellor on operational and policy matters. Senior managers lead the University's academic units or co-ordinating portfolios.

Freedom of information

The *Freedom of Information Act 1991* gives individuals a legally enforceable right to access documents held by South Australian universities, subject to certain restrictions. UniSA strives to be an open and accountable organisation in accordance with the Act.

During 2021, we received three applications to access records under the Act. Out of the three applications, one resulted in full release and two resulted in partial release of the requested documents.

Risk Management

The University Council's Risk Management Policy establishes principles to ensure that risk management is integral to all processes, helps to achieve objectives, and contributes to ongoing performance improvement.

Key elements of the framework include:

- the maintenance and reporting of risk registers that identify key risks at organisational unit level;
- the maintenance and reporting of a university-wide risk register;
- the systematic risk assessment of all projects;
- a systematic approach to the identification, assessment and audit of legislative risk; and
- annual risk assessments of all controlled, associated and partly-owned entities.

We maintain our capacity to respond appropriately to crises through a framework of trained emergency response groups, and a high-level crisis management committee. In addition, management annually certifies to Council that the University risk management and internal compliance and control systems are operating effectively in all material respects. This certification is supported by a process involving questionnaires on control and risk management that are completed by all senior managers and major organisational units.

Council committees

The Council has a number of standing committees, the performance and effectiveness of each is part of Council's annual review process.

During 2021 these committees were:

- Academic Board;
- Finance Committee;
- Urgent Business Committee;
- Audit and Risk Management Committee;
- Senior Remuneration Committee;
- Governance and Nominations Committee;
- Student Appeals Committee;
- Advancement and Fundraising Committee.

Committees of Academic Board:

- Academic Standards and Quality Committee;
- Research Degrees Committee;
- Research Leadership Committee;
- Research Integrity Committee.

2021 External Review of Council

During 2021 an independent external review was conducted into the University Council as the University's governing body and the associated governance processes of the University as required by the Higher Education Standards Framework (Threshold Standards) 2015, Standard 6.1.3(d). Council performance was rated as leading in five of the six Framework Domains and established in the sixth (Risk and Risk Management) and overall Council performance was rated as leading (the highest potential outcome). Council has considered the main opportunity identified by the review being the development of a risk appetite statement to support risk-based decision making by Council. Subsequent to the end of the reporting period this has been completed and approved by Council for adoption.

Legislation requirements

UniSA is governed by the *University of South Australia Act 1990*. Under sections 4–6 of the Act, the University is constituted as a body corporate with the usual associated powers. It has a seal, and it may sue and be sued in its corporate name.

The University's functions

Under the Act, the University's functions are to:

- preserve, extend and disseminate knowledge through teaching, research, scholarship, consultancy or any other means;
- provide tertiary education in such disciplines and areas of study as the University thinks appropriate to meet the needs of industry, commerce, the professions or any other section of the community;
- provide such tertiary education programs as the University thinks appropriate to meet the needs of Australia's Indigenous people;
- provide such tertiary education programs as the University thinks appropriate to meet the needs of groups within the community whom the University considers have suffered disadvantage in education;
- provide educational programs for the benefit of the wider community or programs for the enhancement of the diverse cultural life of the community, as the University thinks fit;
- foster and further an active corporate life within the University;
- perform any functions ancillary or incidental to the functions referred to above; and
- strive for excellence in teaching and research, and to attain the highest standards in education.

TEQSA Registration

Our re-registration with TEQSA (Tertiary Education Quality and Standards Agency) was approved in September 2016 for a period of seven years to September 2023.

The University's powers

The powers of the University, described in Section 6 of the Act, may be exercised inside or outside South Australia and Australia.

For example, the University may:

- enter into contracts;
- acquire, hold, dispose of, and deal with property; and
- confer academic awards jointly with another University or registered training organisation.

University Council

Under Section 10 of the Act, the University Council is responsible for the accountability and control of University affairs. The Act also defines financial responsibilities and specific matters on which statutes can be made. The Council must, in all matters, endeavour to advance the interests of the University.

Council responsibilities

Council's main responsibilities are assigned in part 3 of the Act.

They include:

- appointing the Vice Chancellor as Chief Executive Officer of the University;
- approving the mission and strategic direction of the University, as well as the annual budget and business plan;
- overseeing the management and performance of the University;
- establishing policy and procedural principles consistent with legal requirements and community expectations;
- approving and monitoring systems of control and accountability, including general overview of any;
- entities controlled by the University;
- overseeing and monitoring the assessment and management of risk across the University, including commercial undertakings;
- overseeing and monitoring academic activities across the University; and
- approving significant commercial activities of the University.

Freedom of speech and academic freedom

In December 2020, the *Walker Review of the Adoption of the Model Code* assessed each university's approach to academic freedom and freedom of speech against the principles of the *Model Code for the Protection of Freedom of Speech and Academic Freedom in Australian Higher Education Providers*.

The University used this opportunity to further strengthen its approach to protecting academic freedom and freedom of speech. In August 2021, University Council approved the Freedom of Speech Policy, Public Statements Procedure, and amendments to the University's Statement on Academic Freedom. In parallel, several other policies and procedures were amended to bring them into alignment with the Model Code. The University communicated these changes to the University community.

No issues of concern have been raised with University governing bodies regarding freedom of speech and academic freedom during the 12-month reporting period of this Annual Review.

DEG
0.24
-3.92

ANZ
29.77
+0.24

BHP
26.50
-0.23

AGY
0.26
+2.00

TCL
11.81
-0.67

CO
0.
0.

ANNUAL FINANCIAL STATEMENTS



DE	AYS	CSL	WES	TAW	S32
27	2.01	136.10	41.19	0.36	3.28
00	0.00	-0.25	+0.19	+4.35	+0.31





University of South Australia

Report by the members of the University Council

Members of the University Council present their report on the Group consisting of University of South Australia (the University) and the entities it controlled at the end of, or during, the year ended 31 December 2021.

2021 Council members

The following persons were members of University Council during the year and up to the date of this report (unless otherwise noted):

Ms Pauline Carr, Chancellor
Professor David Lloyd, Vice Chancellor and President
Hon John Hill, Deputy Chancellor
Mr Jim Hazel, Pro Chancellor
Mr Michael Abbott AO QC
Mr Noah Beckmann (until 31 December 2021)
Ms Karen Hunt (until 31 December 2021)
Professor Caroline McMillen AO
Mr Dinuk Nanayakkara (until 31 December 2021)
Associate Professor Barbara Parker (until 31 December 2021)
Ms Mary Patetsos
Ms Nicolle Rantanen Reynolds
Mr Ian Smith AM
Professor Vicki Waye
Mr Jim Whalley

The remuneration of Council members is detailed in Note 26(b) of the Financial Statements.

Changes in Council membership since 31 December 2021

Dr Kit MacFarlane (term commenced 1 January 2022)
Ms Vanessa Matthews (term commenced 1 January 2022)
Mr William (Bill) Muirhead AM (term commenced 1 January 2022)
Mr Isaac Solomon (term commenced 1 January 2022)
Mr Ayrton Hogan (term commenced 6 February 2022)

Meetings of members of the University Council

The numbers of meetings of the members of the University Council and of each Council committee held during the year ended 31 December 2021, and the numbers of meetings attended by each member were:

Member of Council	Meetings of Council Committees													
	Council Meetings		Academic Board		Audit, Finance and Risk		Urgent Business		Senior Remuneration		Governance and Nominations		Student Appeals Committee	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Ms Pauline Carr	7	7			5	5	11	11	3	3	3	3		
Professor David Lloyd	6	6	6	8	5	5	10	10	3	3	3	3		
Professor Allan Evans *	1	1					1	1						
Hon John Hill	7	7					11	11	3	3	3	3		
Mr Jim Hazel	7	7			5	5	11	11	3	3				
Mr Michael Abbott AO QC	6	7									3	3		
Ms Karen Hunt	7	7					5	5			1	1		
Mr Noah Beckmann	6	7	7	8							3	3	5	6
Ms Mary Patetosos	7	7			5	5								
Mr Dinuk Nanayakkara	6	7	5	8										
Ms Nicolle Rantanen Reynolds	7	7			5	5								
Associate Professor Barbara Parker	6	7					11	11			2	2		
Professor Vicki Wayne	7	7	8	8										
Mr Jim Whalley	7	7			4	5								
Professor Caroline McMillen AO	5	7											4	6
Mr Ian Smith AM	7	7												

A = Number of meetings attended.

B = Number of meetings held during the time the member held office or was a member of the committee during the year.

*Meetings attended in the capacity of Acting Vice-Chancellor during the period 1 July - 1 August 2021, and 5 September - 10 October 2021.

Principal activities

The principal continuing activities of the Group are:

- To preserve, extend and disseminate knowledge through teaching, research, scholarship, consultancy or any other means;
- To provide tertiary education in such disciplines and areas of study as the University thinks appropriate to meet the needs of industry, commerce, the professions or any other section of the community;
- To provide such tertiary education programs as the University thinks appropriate to meet the needs of Aboriginal people;
- To provide such tertiary education programs as the University thinks appropriate to meet the needs of groups within the community that the University considers have suffered disadvantages in education;
- To provide educational programs for the benefit of the wider community or programs for the enhancement of the diverse cultural life of the community, as the University thinks fit; and
- To foster and further an active corporate life within the University.

There were no significant changes in the nature of the activities of the Group during the 2021 year.

Review of operations

The 2021 consolidated surplus was \$53.3 million (2020: \$21.3 million). The surplus resulted in a safety margin (operating result as a percentage of total income) of 7.8% (2020: 3.1%). Income decreased by 2.5% to \$678.8 million while expenses fell by 7.4% to \$625.0 million.

The University's consolidated financial position remained sound during the 2021 year with net assets of \$1,383 million (2020: \$1,282 million). Cash balances increased to \$395.3 million at year end (2020: \$303.2 million).

Consolidated cash flows from operating activities in 2021 were \$101.1 million (2020: \$94.9 million).

Changes in the state of affairs

In the opinion of the members of the University Council there were no significant changes in the state of affairs of the Group that occurred during the 2021 year not otherwise disclosed in this report or elsewhere in the Annual Review.

Subsequent events

The University holds shares in IDP Education Limited. On 1 March 2022 the University sold 50% of its shareholding in IDP Education Limited resulting in net cash proceeds of \$25.8m.

No other matters or circumstances have arisen since the end of the financial year and the date of this report, that significantly affected or may significantly affect the operation of the University or the Group, the results of those operations, or the state of affairs of the University or the Group in future periods.

Environmental regulation

The Group's operations are subject to various environmental regulations under both Commonwealth and State legislation. The significant environmental regulations applying to the Group are Dangerous Substance Act (1979), Radiation Protection and Control Act (1982) and the Environmental Protection Act (1993).

Members of the University Council are not aware of any significant breaches during the period covered by this report.

Insurance of officers

The University has paid insurance premiums in respect to Directors and Officers liability, Directors and Officers supplementary legal expenses and statutory liability, for current and former members of University Council and officers.

Directors and Officers liability insurance does not cover acts that are fraudulent, dishonest or criminal. Statutory liability insurance does not cover breaches that are wilful, intentional or deliberate.

Legal proceedings on behalf of the Group

There are no legal proceedings on behalf of the Group that have arisen during the 2021 year or subsequent to year end that affect significantly the operations of the Group.

This report is made in accordance with a resolution of the members of the University Council in Adelaide, South Australia on 10 May 2022.



.....

Ms Pauline Carr
Chancellor



.....

Professor David G. Lloyd
Vice Chancellor and President



STATEMENT OF COMPREHENSIVE INCOME

FOR THE YEAR ENDED 31 DECEMBER 2021

		Consolidated		University	
		2021	2020	2021	2020
	Notes	\$'000	\$'000	\$'000	\$'000
Revenue and income from continuing operations					
Australian Government financial assistance					
Australian Government grants	2	306,921	276,349	306,821	276,274
HECS-HELP - Australian Government payments	2	141,353	147,022	141,353	147,022
FEE-HELP	2	9,980	10,137	9,980	10,137
SA-HELP	2	3,848	3,754	3,848	3,754
State and Local Government financial assistance	3	7,592	9,321	7,592	9,321
HECS-HELP - Student payments		12,129	11,125	12,129	11,125
Fees and charges	4	134,568	170,922	134,568	170,922
Royalties		549	499	105	115
Consultancy and contract research	5	46,212	46,871	46,280	47,480
Other revenue	6	11,853	11,022	10,949	10,570
Investment income	8	3,749	9,335	3,706	9,331
Total revenue and income from continuing operations		678,754	696,357	677,331	696,051
Expenses from continuing operations					
Employee-related expenses	9	409,099	435,069	407,728	432,898
Depreciation and amortisation	18,19	42,366	43,624	42,350	43,606
Repairs and maintenance		16,163	18,057	16,163	18,056
Interest on lease liabilities		556	649	556	649
Impairment of property, plant and equipment	18	(109)	441	(109)	441
Other expenses	10	155,222	174,843	156,008	176,892
Loss on disposal of assets	11	10	166	10	166
Bad and doubtful debts		1,713	2,244	1,713	2,244
Total expenses from continuing operations		625,020	675,093	624,419	674,952
Operating result before income tax		53,734	21,264	52,912	21,099
Income tax (income) / expense		484	(33)	63	14
Operating result attributable to members of University of South Australia		53,250	21,297	52,849	21,085
Items that will not be reclassified to profit or loss:					
Gain on revaluation of Art collection		265	-	265	-
Revaluation on equity instruments designated at fair value through other comprehensive income		46,327	11,387	47,857	11,387
Total		46,592	11,387	48,122	11,387
Total comprehensive income attributable to the members of the University of South Australia		99,842	32,684	100,971	32,472

The above Statement of Comprehensive Income should be read in conjunction with the accompanying notes.



STATEMENT OF FINANCIAL POSITION

AS AT 31 DECEMBER 2021

		Consolidated		University	
		2021	2020	2021	2020
	Notes	\$'000	\$'000	\$'000	\$'000
Current assets					
Cash and cash equivalents	12	395,323	303,219	391,896	301,672
Receivables	13	50,067	29,199	49,866	28,238
Other financial assets	15	32,860	2,320	32,860	2,320
Deferred Government superannuation contribution	31	28,500	29,704	28,500	29,704
Other non-financial assets	16	18,801	19,318	18,784	19,303
Non-current assets held-for-sale	17	1,000	-	1,000	-
Total current assets		526,551	383,760	522,906	381,237
Non-current assets					
Other financial assets	15	62,924	78,283	65,996	80,448
Property, plant and equipment	18	1,079,449	1,108,615	1,079,435	1,108,589
Deferred tax assets		535	713	-	-
Intangible assets	19	2,516	3,243	2,516	3,243
Deferred Government superannuation contribution	31	299,044	349,860	299,044	349,860
Total non-current assets		1,444,468	1,540,714	1,446,991	1,542,140
Total assets		1,971,019	1,924,474	1,969,897	1,923,377
Current liabilities					
Trade and other payables	20	39,883	42,630	39,269	42,859
Provisions	22	85,259	98,881	85,057	98,707
Lease liabilities	21	2,313	2,352	2,313	2,352
Current tax liabilities		382	113	139	113
Contract liabilities	23	93,024	75,842	93,024	75,842
Other liabilities	24	13,700	11,386	13,642	11,367
Defined benefit obligation	31	28,500	29,704	28,500	29,704
Total current liabilities		263,061	260,908	261,944	260,944
Non-current liabilities					
Lease liabilities	21	10,775	12,782	10,775	12,782
Provisions	22	15,435	18,062	15,435	18,062
Defined benefit obligation	31	299,044	349,860	299,044	349,860
Total non-current liabilities		325,254	380,704	325,254	380,704
Total liabilities		588,315	641,612	587,198	641,648
Net assets		1,382,704	1,282,862	1,382,699	1,281,729
Equity					
Reserves	25	336,112	320,885	338,638	320,885
Retained earnings		1,046,592	961,977	1,044,061	960,844
Total equity		1,382,704	1,282,862	1,382,699	1,281,729

The above Statement of Financial Position should be read in conjunction with the accompanying notes.

STATEMENT OF CHANGES IN EQUITY

FOR THE YEAR ENDED 31 DECEMBER 2021

	Consolidated			University		
	Reserves	Retained Earnings	Total	Reserves	Retained Earnings	Total
Note	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Balance at 1 January 2020	313,089	937,089	1,250,178	313,089	936,168	1,249,257
Profit or loss	-	21,297	21,297	-	21,085	21,085
Transfer of fair value reserve of equity instruments designated at fair value through other comprehensive income to retained earnings	(3,591)	3,591	-	(3,591)	3,591	-
Revaluation on equity instruments designated at fair value through other comprehensive income	11,387	-	11,387	11,387	-	11,387
Total comprehensive income	7,796	24,888	32,684	7,796	24,676	32,472
Balance at 31 December 2020	320,885	961,977	1,282,862	320,885	960,844	1,281,729

The above Statement of Changes in Equity should be read in conjunction with the accompanying notes.

STATEMENT OF CHANGES IN EQUITY
FOR THE YEAR ENDED 31 DECEMBER 2021

	Consolidated			University		
	Reserves	Retained Earnings	Total	Reserves	Retained Earnings	Total
Note	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Balance at 1 January 2021	320,885	961,977	1,282,862	320,885	960,844	1,281,729
Profit or loss	-	53,250	53,250	-	52,849	52,849
Gain on revaluation of Art Collection	265	-	265	265	-	265
Transfer of fair value reserve of equity instruments designated at fair value through other comprehensive income to retained earnings	(31,365)	31,365	-	(30,368)	30,368	-
Revaluation on equity instruments designated at fair value through other comprehensive income	46,327	-	46,327	47,856	-	47,856
Total comprehensive income	15,227	84,615	99,842	17,753	83,217	100,970
Balance at 31 December 2021	336,112	1,046,592	1,382,704	338,638	1,044,061	1,382,699

The above Statement of Changes in Equity should be read in conjunction with the accompanying notes.



STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED 31 DECEMBER 2021

	Notes	Consolidated		University	
		2021	2020	2021	2020
		\$'000	\$'000	\$'000	\$'000
Cash flows from operating activities:					
Inflows:					
Australian Government grants received		479,090	413,169	478,990	413,094
OS-HELP (Net)	39(g)	-	2,010	-	2,010
Superannuation supplementation	39(h)	23,285	30,552	23,285	30,552
State and Local Government Grants		10,314	9,321	10,314	9,321
HECS-HELP - Student payments		12,110	11,125	12,110	11,125
Receipts from student fees and other customers		146,106	170,691	145,875	170,691
Dividends received		1,900	6,622	1,900	6,622
Interest received		2,457	3,893	2,415	3,889
Royalties		549	499	105	115
Consultancy and contract research		48,201	44,441	48,269	45,392
Other receipts		11,164	12,035	10,260	12,738
GST recovered		5,592	6,836	5,752	6,836
Outflows:					
Payments to suppliers and employees		(640,271)	(615,630)	(638,568)	(616,985)
Interest paid		230	(649)	(556)	(649)
Net cash provided by / (used in) operating activities	36	100,727	94,915	100,151	94,751
Cash flows from investing activities:					
Inflows:					
Proceeds from sale of property, plant and equipment		32	37	32	37
Proceeds from sale of Investments		1,645	19,777	303	19,777
Proceeds from return of capital of equity instruments		5,260	-	5,260	-
Outflows:					
Payments for property, plant and equipment		(12,861)	(15,931)	(12,858)	(15,925)
Payments for investments		(336)	(19,900)	(301)	(19,625)
Net cash provided by / (used in) investing activities		(6,260)	(16,017)	(7,564)	(15,736)
Cash flows from financing activities:					
Repayment of lease liabilities		(2,363)	(3,000)	(2,363)	(3,000)
Net cash used in financing activities		(2,363)	(3,000)	(2,363)	(3,000)
Net increase / (decrease) in cash and cash equivalents		92,104	75,898	90,224	76,015
Cash and cash equivalents at the beginning of the financial year		303,219	227,321	301,672	225,657
Cash and cash equivalents at the end of the financial year	12	395,323	303,219	391,896	301,672

The above Statement of Cash Flows should be read in conjunction with the accompanying notes.



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1. Summary of significant accounting policies

General information

The principal accounting policies adopted in the preparation of these financial statements are set out below and where applicable, throughout the notes to the accounts. These policies have been consistently applied to all the years reported, unless otherwise stated. The financial statements include separate statements for the University of South Australia (the University) and the University and its subsidiaries (the Group).

(a) Basis of preparation

The annual financial statements represent the audited general purpose financial statements which have been prepared on an accrual basis in accordance with Australian Accounting Standards (AAS), AASB Interpretations, requirements of the Department of Education, Skills and Employment (EDUCATION), the requirements of the *Australian Charities and Not-for-Profits Commission Act 2012* and other State / Australian Government legislative requirements.

The University applies Tier 1 reporting requirements. Except where in conflict with EDUCATION requirements, the financial statements are prepared in accordance with the relevant South Australian Treasurer's Instructions issued under the provisions of the *Public Finance and Audit Act 1987*.

Historical cost convention

The financial statements have been prepared on an accrual basis and under the historical cost convention, except for certain assets and liabilities that were valued in accordance with the applicable valuation policy.

Critical accounting estimates

The preparation of these statements requires the use of certain critical accounting estimates. It also requires management to exercise judgement in the process of applying the University's accounting policies. All significant estimates or assumptions made in the preparation of the financial statements are described in the relevant accounting policy notes. The estimates and underlying assumptions are reviewed regularly.

The areas involving a high degree of judgement where assumptions and estimates are significant to the financial statements are other financial assets, superannuation receivable and associated defined benefit obligation, long service leave provision, valuation and depreciation of property, plant and equipment and the recognition of revenue over time in accordance with AASB 15. Further details are disclosed in the relevant notes to the financial statements.

Actual results may differ from these estimates. The estimates and underlying assumptions are reviewed regularly. Revisions to accounting estimates are recognised in the period which it effects. If the revision affects both current and future periods, the revision is recognised in the period of the revision and future periods.

Rounding of amounts

Unless otherwise indicated, all amounts are rounded to the nearest thousand dollars.

Comparative amounts

Where necessary, comparative information has been reclassified to enhance comparability in respect of changes in presentation adopted in the current year.



1. Summary of significant accounting policies (continued)

(a) Basis of preparation (continued)

Foreign currency translation

Foreign currency transactions are translated into Australian dollars using the exchange rates prevailing at the dates of the transactions. Foreign exchange gain and loss resulting from the settlement of such transactions and from the translation at year-end exchange rates of monetary assets and liabilities denominated in foreign currencies are recognised in the Statement of Comprehensive Income.

(b) Basis of consolidation

The consolidated financial statements represent the financial statements of the parent entity, being the University of South Australia, and the assets, liabilities and results of all entities it controlled in accordance with AASB 10 *Consolidated Financial Statements* at the end of, or during the financial year. Control is established when the parent is exposed to or has rights to variable returns from its involvement with the entity and has the ability to affect those returns through its power to direct the relevant activities of the entity.

Transactions, balances and unrealised gain on transactions between Group entities are eliminated. Where necessary, accounting policies of subsidiaries have been changed to ensure consistency with the policies adopted by the Group.

A list of controlled entities are contained in Note 32. Subsidiaries of the financial statements.

(c) Goods and Services Tax (GST)

Revenues and expenses are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office (ATO). In these circumstances the GST is recognised as part of the cost of acquisition of the asset or as part of an item of the expense.

Receivables and payables are stated with the amount of GST included. The net amount of GST recoverable from, or payable to, the ATO is included in receivables or payables in the Statement of Financial Position.

Cash flows are presented in the Statement of Cash Flows on a gross basis. The GST components of cash flows arising from investing and financing activities which are recoverable from, or payable to, the ATO are classified as operating cash flows.

(d) Income tax

The University is exempt from income tax pursuant to Division 50 of the *Income Tax Assessment Act 1997*. The University subsidiaries are not exempt from income tax.

Income tax expense or benefit for the period is calculated as the tax payable on the current period's taxable income based on the income tax rate adjusted by changes in deferred tax assets and liabilities attributable to temporary differences between the tax bases of assets and liabilities and their carrying amounts in the financial statements, and to unused tax losses. Deferred tax assets and liabilities are recognised for temporary differences at the tax rates expected to apply when the assets are recovered or liabilities extinguished.

In relation to foreign operations, the University is subject to tax associated with the legislation of the relevant foreign country. Tax in respect of these operations has been brought to account in the year it is incurred.



1. Summary of significant accounting policies (continued)

(e) Interests in Co-operative Research Centres

The University participates in a number of Co-operative Research Centres (CRC) listed below. A CRC is a research initiative of the Australian Government established to pursue specific areas of research and supports industry-led collaborations between researchers, industry and the community.

The University participates in the below listed CRCs but does not record them as either Joint Operations or Associates as the University does not control or have any significant influence in these entities. The University does not record any of the CRC entities as investments in the financial statements.

During 2021 the University provided both cash and in-kind contributions to support the work of CRCs.

The Co-operative Research Centres are:

- CRC for Transformations in Mining Economies
- Digital Health CRC
- Future Energy Exports CRC
- Innovative Manufacturing CRC
- iMove CRC
- MinEx CRC
- Reliable Affordable Clean Energy for 2030 CRC
- SmartCrete CRC
- SmartSat CRC

(f) Revenue and Income

The notes 2 to 6 disclose the revenue and income received during the year according to the mandatory disclosures required by EDUCATION. The disclosures required by AASB 15 and AASB 1058 are included in the notes and a reconciliation is included in note 7.

(i) Basis for disaggregation

Sources of funding: the Group receives the majority of funds from the Australian Government as well as State and Local Government to further its objectives. In addition the Group also receives revenue and income from private organisations and individuals.

Revenue and income streams: the major revenue and income streams are as follows:

Teaching: the Group has domestic and overseas students enrolled in a variety of programs for different qualification levels. Whilst, the number of domestic students is affected by national economic factors such as interest rates or unemployment, the overseas students are impacted by the changes in the immigration policies.

Research: the Group performs research activities across multiple fields. The Group enters into many different types of research agreements with different counterparties, such as with private sector customers and Government agencies that award research grants. Each agreement needs to be assessed as to whether it is an enforceable arrangement and contains sufficiently specific promises to transfer outputs from the research to the customer (or at the direction of the customer). Judgement is required in making this assessment. The Group has concluded that some research agreements represent a contract with a customer whereas other research grants are recognised as income when the Group obtains control of the research funds.

Other fees and charges: these correspond to the complementary services provided by the Group such as parking and access to fitness and recreational activities.



1. Summary of significant accounting policies (continued)

(f) Revenue and Income (continued)

Revenue from Contracts with Customers as per AASB 15

(ii) Accounting policies and significant accounting judgement and estimates

Course fees and charges

The course fees and charges revenue relate to undergraduate programs, graduate and professional degree programs and continuing education and executive programs.

The revenue is recognised over time as and when the course is delivered to students over the study period.

When the courses have been paid in advance by students or the Group has received the government funding in advance (e.g. before starting the academic period) the Group recognises a contract liability until the services are delivered.

The Group does have refund obligations. This is mainly applicable when the goods are not provided or contracted services are not delivered.

There is no significant financing component, as the period from when the student pays and the service is provided is less than 12 months and the consideration is not variable.

Research

Revenue recognition for research funding is dependent upon the source of the funding and the nature of the transaction.

The following specific research revenue recognition criteria have been applied:

- Funding received from Australian Research Council, National Health and Medical Research Council, and from non government entities. These are enforceable agreements and the performance obligations in those agreements are sufficiently specific.

The research grants that are considered within the scope of AASB 15 meet the enforceability criteria due to the existence of refund clauses in the agreements with the grantor and the promises to transfer good or services to the customer (or on behalf of the customer) are sufficiently specific. The obligations may include:

- Comprehensive academic paper with the results of the research after completion
- Publishing research data and results on an ongoing basis in an openly accessible repository as requested by the grantor
- Intellectual property

Depending on the nature of the promise, the Group either recognises revenue at a point in time when the promise is delivered (e.g. when the comprehensive academic paper is published) or recognises revenue over time as the service is performed (e.g. as the customer obtains control of the intellectual property as it is created).



1. Summary of significant accounting policies (continued)

(f) Revenue and Income (continued)

(ii) Accounting policies and significant accounting judgement and estimates (continued)

Other fees and charges

Other fees and charges revenue relate to the provision of services such as student services and amenities fees, parking fees, fitness and recreational services.

Revenue is recognised over time as and when the service is provided over the period.

Royalties

Royalties that are within the scope of AASB 15 mainly relate to the use of intellectual property. The revenue is recognised at a point in time when the use of intellectual property has occurred.

Contract Assets

Contract Assets represent research grants which have met performance obligations in accordance with funding agreements, however, funding has not been received.

Contract Liabilities

Contract Liabilities represent research and teaching grants for which funding has been received by the University, to provide future services to funding providers and students.

(iii) Unsatisfied performance obligations

Remaining performance obligations represent services the Group has promised to provide to customers which are satisfied as the goods or services are provided over the contract term. For customer contracts with terms of one year or less, or where revenue is recognised using the 'right to invoice' method of recognising revenue, as permitted under AASB 15, disclosures are not required in relation to the transaction price allocated to these unsatisfied performance obligations.

These unsatisfied performance obligations are expected to be satisfied during 2022 (within 1 year).

Contract liabilities for unsatisfied performance obligations are included in note 23.



1. Summary of significant accounting policies (continued)

(f) Revenue and Income (continued)

Income of not-for-profit as per AASB 1058

(iv) Accounting policies and significant judgements and estimates

Capital grants

Capital grants are generally received to acquire or construct a non-financial asset, such as a building. Income is recognised over time, as the building is constructed. Income is recognised to the extent of costs incurred to date as the costs of construction are the best measure of the stage of completion.

Donations and bequests

The income is recognised immediately when the funds are received.

**2. Australian Government financial assistance including HECS-HELP and FEE-HELP****Australian Government financial assistance**

	Note	Consolidated		University	
		2021	2020	2021	2020
		\$'000	\$'000	\$'000	\$'000
Commonwealth Grants Scheme and other grants	39(a)	213,049	195,381	213,049	195,381
Higher Education Loan Programs	39(b)	155,181	160,913	155,181	160,913
EDUCATION Research	39(c)	53,826	36,525	53,826	36,525
Other capital funding	39(e)	825	515	825	515
Australian Research Council	39(f)	6,430	6,190	6,430	6,190
Total CGS, HELP, Scholarships and Research grants		429,311	399,524	429,311	399,524
Other Australian Government financial assistance					
Research		27,876	32,332	27,876	32,357
Other		4,915	5,176	4,815	5,076
Non-capital		32,791	37,508	32,691	37,433
Capital		-	230	-	230
Total Other Australian Government financial assistance		32,791	37,738	32,691	37,663
Total Australian Government financial assistance		462,102	437,262	462,002	437,187

3. State and Local Government financial assistance

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Non-capital research grants	7,077	8,773	7,077	8,773
Non-capital other	515	548	515	548
Total State and Local Government financial assistance	7,592	9,321	7,592	9,321

**4. Fees and charges**

		Consolidated		University	
		2021	2020	2021	2020
Note		\$'000	\$'000	\$'000	\$'000
Course fees and charges					
		114,587	148,503	114,587	148,503
		1,326	1,516	1,326	1,516
		2,087	1,453	2,087	1,453
		2,820	2,700	2,820	2,700
		310	332	310	332
Total course fees and charges		121,130	154,504	121,130	154,504
Other fees and charges					
		5,373	7,793	5,373	7,793
		5,527	6,291	5,527	6,291
		1,123	1,047	1,123	1,047
	39(i)	1,415	1,287	1,415	1,287
Total other fees and charges		13,438	16,418	13,438	16,418
Total fees and charges		134,568	170,922	134,568	170,922

5. Consultancy and contract research

		Consolidated		University	
		2021	2020	2021	2020
		\$'000	\$'000	\$'000	\$'000
Consultancy		3,386	2,484	3,362	2,465
Contract research		42,826	44,387	42,918	45,015
Total consultancy and contract research		46,212	46,871	46,280	47,480

6. Other revenue

		Consolidated		University	
		2021	2020	2021	2020
		\$'000	\$'000	\$'000	\$'000
Donations and bequests		1,679	1,037	1,679	1,037
Scholarships and prizes		997	1,468	997	1,468
Other fees and charges		5,026	3,634	4,264	3,371
Other		4,151	4,883	4,009	4,694
Total other revenue		11,853	11,022	10,949	10,570

**7. Reconciliation of revenue and income**

The following table reconciles the amounts disclosed in notes 2 to 6 which contain the mandatory disclosures required by EDUCATION as per AASB 15 and AASB 1058:

	Note	Consolidated		University	
		2021	2020	2021	2020
		\$'000	\$'000	\$'000	\$'000
Australian Government financial assistance including Australian Government loan Programs (HELP)	2	462,101	437,262	462,002	437,187
State and Local Government financial assistance	3	7,592	9,321	7,592	9,321
HECS-HELP - Student Payments		12,129	11,125	12,129	11,125
Fees and charges	4	134,569	170,922	134,569	170,922
Royalties		549	499	105	115
Consultancy and contract research	5	46,213	46,871	46,280	47,480
Other income	6	11,853	11,022	10,949	10,570
Total		675,006	687,022	673,626	686,720
Total Revenue from contracts with customers as per AASB 15		392,441	440,649	391,161	440,422
Total Income of not-for-profit as per AASB 1058		282,565	246,373	282,465	246,298
Total Revenue and income		675,006	687,022	673,626	686,720

8. Investment income

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Interest				
Debt instruments at amortised cost	2,191	3,283	2,148	3,279
Dividends				
Equity instruments designated at fair value through other comprehensive income	1,558	6,052	1,558	6,052
Investment income gains	3,749	9,335	3,706	9,331

Accounting Policy

Interest income is recognised as it accrues. For all debt instruments measured at amortised cost and equity instruments measured at fair value through other comprehensive income, interest income is recorded using the effective interest rate (EIR). The EIR is the rate that exactly discounts the estimated future cash receipts over the expected life of the financial instrument or a shorter period, where appropriate, to the net carrying amount of the financial asset.

Dividend income is recognised only when it is declared, determined or recommended by external entities before the 31 December reporting date.

**9. Employee-related expenses**

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Academic				
Salaries	176,625	183,346	176,324	183,113
Contributions to superannuation and pension schemes:				
Emerging cost	82	161	82	161
Funded	27,259	26,010	27,259	26,010
Payroll tax	10,730	10,766	10,730	10,766
Workers' compensation	(59)	(94)	(59)	(94)
Long service leave	3,739	5,519	3,739	5,519
Annual leave	11,826	12,273	11,826	12,273
Total academic	230,202	237,981	229,901	237,748
Non-academic				
Salaries	133,679	148,169	132,769	146,505
Contributions to superannuation and pension schemes:				
Emerging cost	92	163	14	29
Funded	22,489	22,934	22,489	22,934
Payroll tax	8,622	8,790	8,566	8,693
Workers' compensation	265	165	265	165
Long service leave	3,491	5,091	3,479	5,051
Annual leave	9,918	11,422	9,904	11,419
Total non-academic	178,556	196,734	177,486	194,796
Total academic & non-academic employee related expenses	408,758	434,715	407,387	432,544
Council member remuneration	341	354	341	354
Total employee related expenses*	409,099	435,069	407,728	432,898

*Included within Total Employee Related Expenses for 2021 is an immaterial amount for Voluntary Separation packages, whilst 2020 included \$19.9 million for the Early Retirement Scheme which includes payments for separations, associated annual leave and long service leave liabilities and other costs.

Accounting Policy

Refer to Note 22 Provisions for the accounting policy relating to employee benefits and Note 31 Superannuation Plans for the accounting policy relating to employee benefits - Superannuation.


10. Other expenses

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Scholarships, grants and prizes*	17,932	28,201	17,932	28,201
Non-capitalised equipment	4,647	5,714	4,647	5,705
Advertising, marketing and promotion	10,556	9,478	10,555	9,465
Telecommunications	3,194	3,233	3,181	3,219
Travel, staff development and entertainment	3,322	4,176	3,308	4,133
External services	58,196	65,373	59,054	67,853
IT hardware and software	19,643	18,672	19,646	18,671
Library subscriptions	9,432	9,795	9,432	9,795
Printing	1,095	1,137	1,095	1,137
Bank charges, legal costs, insurance and taxes	6,705	6,831	6,397	6,520
General consumables	8,399	10,076	8,386	10,068
Utilities	7,888	7,472	7,888	7,472
Other	4,213	4,685	4,487	4,653
Total other expenses	155,222	174,843	156,008	176,892

*Included within Scholarships, grants and prizes for 2021 is an amount for Student Hardship of \$0.4 million (2020: \$9.67m) to assist students navigate the impacts of COVID-19.

11. Loss on disposal of property, plant and equipment

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Disposal of property, plant and equipment				
Proceeds from sale	(32)	(37)	(32)	(37)
Carrying amount of assets sold	42	203	42	203
Net Loss on disposal of property, plant and equipment	10	166	10	166

**12. Cash and cash equivalents**

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Cash at bank and on hand	3,898	3,714	3,765	3,483
Deposits at call	391,425	299,505	388,131	298,189
Total cash and cash equivalents	395,323	303,219	391,896	301,672

Cash at bank and on hand

During the year Cash at bank and on hand earned an average interest of 0.05% (2020: 0.11%) and interest was credited to the University on a monthly basis.

Deposits at call

During the year Deposits at call earned interest at a fixed rate which ranged between 0.31% and 1.50% (2020: range between 0.50% and 2.80%). These deposits had an average maturity of 427 days (2020: 342 days).

Accounting Policy

Cash and cash equivalents includes cash at bank and on hand, deposits held at call with financial institutions and other highly liquid investments that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value.

13. Receivables

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Trade debtors	11,503	11,115	11,302	10,802
Less: Provision for impaired receivables	(643)	(252)	(643)	(252)
	10,860	10,863	10,659	10,550
Student fees	6,048	7,234	6,048	7,234
Less: Provision for impaired receivables	(3,117)	(2,289)	(3,117)	(2,289)
	2,931	4,945	2,931	4,945
Imputation Credits receivables	26,791	2,120	26,791	2,120
Commonwealth receivables	2,917	4,647	2,917	4,647
Contract Assets	3,194	3,531	3,194	3,531
Other	3,374	3,093	3,374	2,445
Total receivables	50,067	29,199	49,866	28,238

Trade receivables are non-interest bearing and are generally on terms of 14 to 30 days.

Contract Assets represent research activities which have met performance obligations in accordance with funding agreements, however, funding has not been received. The classification of contract assets as current was made on the basis that all projects with expenditure in advance will be invoiced within 12 months. Contract Assets are evaluated for impairment.

**13. Receivables (continued)****(a) Impaired receivables**

Movements in the Trade debtors provision for impaired receivables are as follows:

	Consolidated	
	2021	2020
	\$'000	\$'000
At 1 January	252	295
Provision for impairment recognised during the year	569	153
Receivables written-off during the year as uncollectible	(103)	(118)
Unused amount reversed and debts collected	(75)	(78)
At 31 December	643	252

Movements in the Student fees provision for impaired receivables are as follows:

	Consolidated	
	2021	2020
	\$'000	\$'000
At 1 January	2,289	580
Provision for impairment recognised during the year	1,266	2,095
Receivables written-off during the year as uncollectible	(417)	(361)
Unused amount reversed and debts collected	(21)	(25)
At 31 December	3,117	2,289

The creation and release of the provision for impaired receivables has been included in 'Bad and doubtful debts expense' in the Statement of Comprehensive Income. Amounts charged to the provision account are written-off when there is no expectation of recovering additional cash.

The other amounts within receivables do not contain impaired assets and are not past due. Based on credit history, it is expected that these amounts will be received when due.

(b) Foreign exchange and interest rate risk

The carrying amount of the Group's receivables are denominated in Australian Dollars.

(c) Fair value and credit risk

Due to the short-term nature of these receivables, their carrying amount is assumed to approximate their fair value.



13. Receivables (continued)

Accounting Policy

Trade debtors are recognised initially at fair value and subsequently measured at amortised cost using the effective interest method, less provision for impairment. Trade debts are generally due for settlement no more than 14 days from the date that invoice was issued for domestic Australian debtors, and no more than 30 days for Overseas/International debtors. Any exceptions to these payment terms for both Domestic & International debtors, are approved by the Director of the local area and also by the Chief Financial Officer, after reviewing the business reasons for the extended terms. The exceptions are very few in number.

Student fees are recognised initially at fair value as at census date and are collectable at that point. Periodically these receivables are adjusted for any provision for impairment.

Collectability of receivables is reviewed on an ongoing basis and the assessment of the provision for impaired receivables included consideration of the expected credit losses in accordance with AASB 9 *Financial Instruments*. Individual trade debtors and student fee receivables are assessed for impairment, considering both historic and future factors where possible including the age of the debt, the circumstances of the debtor, experience with similar debt types and current economic circumstances. In addition, both trade debtors and student fee receivables are evaluated for impairment based upon past due status and historical collection experience. Debts which are known to be uncollectible are written off. A provision for doubtful debts is established when there is objective evidence that the University will not be able to collect all amounts due according to the original terms of receivables.

The other amounts within receivables do not contain impaired assets and are not past due. Based on credit history, it is expected that these amounts will be received when due.

14. Investments accounted for using the equity method

The University has no material investments in associates or joint venture entities which would be accounted for in the consolidated financial statements using the equity method of accounting.



15. Other financial assets

	Note	Consolidated		University	
		2021	2020	2021	2020
		\$'000	\$'000	\$'000	\$'000
Current					
Equity instruments designated at fair value through other comprehensive income		31,725	-	31,725	-
Accrued Income		1,135	2,320	1,135	2,320
Total current other financial assets		32,860	2,320	32,860	2,320
Non-current					
Equity instruments designated at fair value through other comprehensive income		62,924	78,283	57,521	73,122
Shares in subsidiaries	32	-	-	8,475	7,326
Total non-current other financial assets		62,924	78,283	65,996	80,448
Total other financial assets		95,784	80,603	98,856	82,768

During 2021, Education Australia Ltd shares in IDP Education Limited (IDP) were returned to the 38 University shareholders via a Liquidity Transaction involving an in-specie distribution of IDP shares and cash proceeds.

This resulted in the distribution of 1.8 million IDP shares valued at \$53.10 million (included within Equity instruments designated at fair value through other comprehensive income), \$25.01 million franking credits (included within Imputation Credits) and cash proceeds of \$5.26 million. 50% of the IDP shares received are subject to a 6 month escrow period, whilst the remaining 50% of IDP shares received are subject to a 12 month escrow period.

The liquidity transaction is considered to be a recovery of the cost of the investment that is intrinsically linked to the wind down of Education Australia Ltd. In accordance with AASB 9 Financial Instruments, the transaction is recognised through other comprehensive income as revaluation on equity instruments designated at fair value through other comprehensive income.

Accounting Policy**Shares in subsidiaries**

Investments in all wholly-owned subsidiaries are recorded at fair value. Where an estimate of fair value is not readily available, the Net Assets of the subsidiary are used as a proxy for fair value.

Equity Instruments designated at fair value through other comprehensive income

The University invests in shares, fixed interest, property trusts and managed funds known as Investments. These investments are classified as Equity instruments designated at fair value through other comprehensive income in accordance with AASB 9 *Financial Instruments*.

These Investments are included in non-current assets unless management intends to dispose of the Investment within 12 months of the balance sheet date. Purchases and sales of Investments are recognised on trade date (the date on which the University commits to purchase or sell the asset). Investments are initially recognised at fair value. Investments are derecognised when the rights to receive cash flows from them have expired or have been transferred and the University has transferred substantially all the risks and rewards of ownership.

Unrealised gain or loss arising from changes in the fair value of investments are recognised in other comprehensive income under Gain / (Loss) on equity instruments designated at fair value through other comprehensive income.

**15. Other financial assets (continued)****Accounting Policy (continued)**

Realised gain or loss arising from the sale of investments are recognised in other comprehensive income under Gain / (Loss) on equity instruments designated at fair value through other comprehensive income.

Only dividends are recognised in the income statement when the right of payment has been established unless when it is part of a recovery of cost in which case it is recognised in other comprehensive income.

Since these investments are designated at fair value through other comprehensive income they are not subject to impairment assessment. These investments are adjusted annually to fair value through other comprehensive income.

16. Other non-financial assets

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Current				
Prepayments	18,760	19,218	18,743	19,203
Other	41	100	41	100
Total other non-financial assets	18,801	19,318	18,784	19,303

17. Non-current assets classified as held for sale

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Non-current assets held for sale				
Other assets	1,000	-	1,000	-
Total non-current assets classified as held for sale	1,000	-	1,000	-

Accounting Policy

Non-current assets are classified as held for sale and stated at the lower of their carrying amount and fair value less costs to sell if their carrying amount will be recovered principally through a sale transaction rather than through continuing use.

Non-current assets are not depreciated or amortised while they are classified as held for sale.

Non-current assets classified as held for sale are presented separately from the other assets in the statement of financial position.



18. Property, plant and equipment

	Capital Works in Progress	Land	Buildings	Plant and equipment	Plant and equipment in progress	Leasehold improvements	Art collection	Infrastructure	Subtotal (owned)	Subtotal Right-of-use assets	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
University											
At 1 January 2020											
- Cost	1,035	-	-	111,056	4,075	8,606	-	-	124,772	20,270	145,042
- Valuation	-	184,445	1,437,631	-	-	-	3,823	100,035	1,725,934	-	1,725,934
Accumulated depreciation and impairment	-	(194)	(598,684)	(71,163)	-	(7,115)	-	(53,959)	(731,115)	(3,379)	(734,494)
Net book amount	1,035	184,251	838,947	39,893	4,075	1,491	3,823	46,076	1,119,591	16,891	1,136,482
Year ended 31 December 2020											
Opening net book amount	1,035	184,251	838,947	39,893	4,075	1,491	3,823	46,076	1,119,591	16,891	1,136,482
Additions	6,915	-	26	4,625	3,305	-	-	-	14,871	870	15,741
Disposals	-	-	-	(200)	-	-	-	-	(200)	-	(200)
Reclassifications	(7,883)	-	3,496	6,414	(3,398)	73	-	1,298	-	-	-
Impairment loss in income	-	-	-	(441)	-	-	-	-	(441)	-	(441)
Amortisation / Depreciation charge	-	(61)	(26,089)	(10,041)	-	(576)	-	(2,124)	(38,891)	(3,428)	(42,319)
Other changes, movements	144	-	-	-	(675)	-	-	-	(531)	(143)	(674)
Closing net book amount	211	184,190	816,380	40,250	3,307	988	3,823	45,250	1,094,399	14,190	1,108,589
At 31 December 2020											
- Cost	211	-	3,531	119,481	3,307	8,679	-	1,298	136,507	19,179	155,686
- Valuation	-	184,444	1,437,631	-	-	-	3,823	100,035	1,725,933	-	1,725,933
Accumulated amortisation / depreciation and impairment	-	(254)	(624,782)	(79,231)	-	(7,691)	-	(56,083)	(768,041)	(4,989)	(773,030)
Net book amount	211	184,190	816,380	40,250	3,307	988	3,823	45,250	1,094,399	14,190	1,108,589



18. Property, plant and equipment (continued)

	Capital Works in Progress	Land	Buildings	Plant and equipment	Plant and equipment in progress	Leasehold improvements	Art collection	Infrastructure	Subtotal (owned)	Subtotal Right-of-use assets	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
University Year ended 31 December 2021											
Opening net book amount	211	184,190	816,380	40,250	3,307	988	3,823	45,250	1,094,399	14,190	1,108,589
Additions	5,577	23	260	4,165	2,608	-	10	-	12,643	405	13,048
Disposals	-	-	-	(37)	-	-	(5)	-	(42)	-	(42)
Reclassifications	(2,989)	-	2,557	2,909	(2,909)	-	-	432	-	-	-
Assets included in a disposal group classified as held for sale and other disposals	-	-	-	-	-	-	(1,000)	-	(1,000)	-	(1,000)
Revaluation surplus	-	-	-	-	-	-	265	-	265	-	265
Impairment loss in income	-	-	-	109	-	-	-	-	109	-	109
Amortisation / Depreciation charge	-	(60)	(26,164)	(9,696)	-	(362)	-	(2,139)	(38,421)	(2,562)	(40,983)
Other changes, movements	-	-	-	-	(398)	-	-	-	(398)	(153)	(551)
Closing net book amount	2,799	184,153	793,033	37,700	2,608	626	3,093	43,543	1,067,555	11,880	1,079,435
At 31 December 2021											
- Cost	2,799	23	6,349	121,882	2,608	8,679	10	1,730	144,080	18,675	162,755
- Valuation	-	184,444	1,437,631	-	-	-	3,083	100,035	1,725,193	-	1,725,193
Accumulated amortisation / depreciation and impairment	-	(314)	(650,947)	(84,182)	-	(8,053)	-	(58,222)	(801,718)	(6,795)	(808,513)
Net book amount	2,799	184,153	793,033	37,700	2,608	626	3,093	43,543	1,067,555	11,880	1,079,435



18. Property, plant and equipment (continued)

	Capital Works in Progress	Land	Buildings	Plant and equipment	Plant and equipment in progress	Leasehold improvements	Art collection	Infrastructure	Subtotal (owned)	Subtotal Right- of-use assets	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Consolidated											
At 1 January 2020											
- Cost	1,035	-	-	111,218	4,075	8,606	-	-	124,934	20,270	145,204
- Valuation	-	184,445	1,437,631	-	-	-	3,823	100,035	1,725,934	-	1,725,934
Accumulated amortisation / depreciation and impairment	-	(194)	(598,684)	(71,287)	-	(7,115)	-	(53,959)	(731,239)	(3,379)	(734,618)
Net book amount	1,035	184,251	838,947	39,931	4,075	1,491	3,823	46,076	1,119,629	16,891	1,136,520
Year ended 31 December 2020											
Opening net book amount	1,035	184,251	838,947	39,931	4,075	1,491	3,823	46,076	1,119,629	16,891	1,136,520
Additions	6,915	-	26	4,631	3,305	-	-	-	14,877	870	15,747
Disposals	-	-	-	(200)	-	-	-	-	(200)	-	(200)
Reclassifications	(7,883)	-	3,496	6,414	(3,398)	73	-	1,298	-	-	-
Impairment loss in income	-	-	-	(441)	-	-	-	-	(441)	-	(441)
Amortisation / Depreciation charge	-	(61)	(26,089)	(10,059)	-	(576)	-	(2,124)	(38,909)	(3,428)	(42,337)
Other changes, movements	144	-	-	-	(675)	-	-	-	(531)	(143)	(674)
Closing net book amount	211	184,190	816,380	40,276	3,307	988	3,823	45,250	1,094,425	14,190	1,108,615
At 31 December 2020											
- Cost	211	-	3,531	119,525	3,307	8,679	-	1,298	136,551	19,179	155,730
- Valuation	-	184,444	1,437,631	-	-	-	3,823	100,035	1,725,933	-	1,725,933
Accumulated amortisation / depreciation and impairment	-	(254)	(624,782)	(79,249)	-	(7,691)	-	(56,083)	(768,059)	(4,989)	(773,048)
Net book amount	211	184,190	816,380	40,276	3,307	988	3,823	45,250	1,094,425	14,190	1,108,615



18. Property, plant and equipment (continued)

	Capital Works in Progress	Land	Buildings	Plant and equipment	Plant and equipment in progress	Leasehold improvements	Art collection	Infrastructure	Subtotal (owned)	Subtotal Right- of-use assets	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Consolidated Year ended 31 December 2021											
Opening net book amount	211	184,190	816,380	40,276	3,307	988	3,823	45,250	1,094,425	14,190	1,108,615
Additions	5,577	23	260	4,168	2,608	-	10	-	12,646	405	13,051
Disposals	-	-	-	(37)	-	-	(5)	-	(42)	-	(42)
Reclassifications	(2,989)	-	2,557	2,909	(2,909)	-	-	432	-	-	-
Assets included in a disposal group classified as held for sale and other disposals	-	-	-	-	-	-	(1,000)	-	(1,000)	-	(1,000)
Revaluation surplus	-	-	-	-	-	-	265	-	265	-	265
Impairment loss in income	-	-	-	109	-	-	-	-	109	-	109
Amortisation / Depreciation charge	-	(60)	(26,164)	(9,711)	-	(362)	-	(2,139)	(38,436)	(2,562)	(40,998)
Other changes, movements	-	-	-	-	(398)	-	-	-	(398)	(153)	(551)
Closing net book amount	2,799	184,153	793,033	37,714	2,608	626	3,093	43,543	1,067,569	11,880	1,079,449
At 31 December 2021											
- Cost	2,799	23	6,349	122,019	2,608	8,679	10	1,730	144,217	18,675	162,892
- Valuation	-	184,444	1,437,631	-	-	-	3,083	100,035	1,725,193	-	1,725,193
Accumulated amortisation / depreciation and impairment	-	(314)	(650,947)	(84,305)	-	(8,053)	-	(58,222)	(801,841)	(6,795)	(808,636)
Net book amount	2,799	184,153	793,033	37,714	2,608	626	3,093	43,543	1,067,569	11,880	1,079,449



18. Property, plant and equipment (continued)

Accounting Policy

Initial recognition and measurement

Assets with a useful life of more than 12 months and an acquisition cost of more than \$10,000 are initially capitalised at cost. Costs incurred on Plant and equipment which do not meet the capitalisation criteria are expensed as incurred. Following initial recognition at cost Land, Buildings, Infrastructure and Art collection are carried at fair value.

Subsequent capital costs are included in the asset's carrying amount or recognised as a separate asset as appropriate, only when it is probable that future economic benefits associated with the item will flow to the Group and the cost of the item can be measured reliably. All other repairs and maintenance costs are charged to the Statement of Comprehensive Income during the financial period in which they are incurred.

All other property, plant and equipment is stated at historical cost less depreciation.

Revaluations

Independent valuations of Land, Buildings and Infrastructure are performed every three years to ensure that the carrying amount does not differ materially from the asset's fair value at the balance date.

The Art collection is internally valued every three years by the Director: Samstag Museum of Art considering current sales and auctions of works by the same artist and / or similar genre.

Revaluation surpluses have been credited to the asset revaluation reserve included in the equity section of the statement of financial position. Revaluation increments and decrements are offset against one another within asset classes, but not otherwise. Refer to Note 38(c) for information regarding revaluations.

Land

Land occupied by the University is either owned by the University or by the State Government. All land is recognised on the basis that the University effectively controls the land occupied.

Land includes \$66.17 million (2020: \$66.17 million) of Crown Lands and \$5.60 million (2020: \$5.66 million) of Land under Finance Lease. The University has restrictions on the above land by application of the University of South Australia Act, 1990 Section 6(3).

Impairment of assets

Assets are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount may not be recoverable. An impairment loss is recognised for the amount by which the asset's carrying amount exceeds its recoverable amount. The recoverable amount is the higher of an asset's fair value less costs to sell and value in use.

**18. Property, plant and equipment (continued)****Accounting Policy (continued)****Depreciation**

Land (excluding Land under finance lease), Art collection and Buildings under construction are not depreciated. Depreciation, where applicable, is calculated on a straight-line basis to allocate the written down current cost of an asset over its estimated remaining useful life.

Assets class	Useful Life
Property:	
Buildings	30 - 160 years
Infrastructure	25 - 50 years
Land under finance lease	99 years
Leasehold improvements	1 - 14 years
Plant and equipment:	
IT infrastructure	5 years
IT other	3 years
Motor vehicles	5 years
Other	10 years
Right-of-use assets:	
Buildings	1 - 9 years
Plant and equipment	1 - 5 years

The assets' residual values and useful lives are reviewed, and adjusted if appropriate, at the end of each reporting period.

**18. Property, plant and equipment (continued)****(a) Right-of-use assets**

Information about leases where the University is a lessee is presented below:

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Right-of-use assets				
Buildings				
Opening Balance	13,661	16,338	13,661	16,338
Additions of right-of-use assets	85	143	85	143
Other changes, movements	(153)	(143)	(153)	(143)
Depreciation charge	(2,128)	(2,677)	(2,128)	(2,677)
At 31 December 2021	11,465	13,661	11,465	13,661
Plant and Equipment				
Opening Balance	529	553	529	553
Additions of right-of-use assets	320	727	320	727
Depreciation charge	(434)	(751)	(434)	(751)
At 31 December 2021	415	529	415	529
Total right-of-use assets	11,880	14,190	11,880	14,190

Accounting Policy**Assessment of whether a contract is, or contains, a lease**

At inception of a contract, the University assesses whether a contract is, or contains a lease. A contract is, or contains a lease if the contract conveys a right to control the use of an identified asset for a period of time in exchange for consideration.

the University assesses whether:

- (a) The contract involves the use of an identified asset. The asset may be explicitly or implicitly specified in the contract.
- (b) The customer has the right to obtain substantially all of the economic benefits from the use of the asset throughout the period of use.
- (c) The customer has the right to direct the use of the asset throughout the period of use - The customer is considered to have the right to direct the use of the asset only if either:
 - i. The customer has the right to direct how and for what purpose the identified asset is used throughout the period of use; or
 - ii. The relevant decisions about how and for what purposes the asset is used is predetermined and the customer has the right to operate the asset, or the customer designed the asset in a way that predetermines how and for what purpose the asset will be used throughout the period of use.



18. Property, plant and equipment (continued)

Accounting Policy (continued)

Accounting for leases - University as lessee

In contracts where the University is a lessee, the University recognises a right-of-use asset and a lease liability at the commencement date of the lease, unless the short-term or low-value exemption is applied.

Right-of-use asset

A right-of-use asset is initially measured at cost comprising the initial measurement of the lease liability adjusted for any lease payments made before the commencement date (reduced by lease incentives received), plus initial direct costs incurred in obtaining the lease and an estimate of costs to be incurred in dismantling and removing the underlying asset, restoring the site on which it is located or restoring the underlying asset to the condition required by the terms and conditions of the lease.

A right-of-use asset associated with land and buildings is subsequently measured at fair value. All other property, plant and equipment are measured as described in the accounting policy for property, plant and equipment in Note 18.

19. Intangible assets

University	Intangibles in progress \$'000	Other intangible assets \$'000	Total \$'000
At 1 January 2020			
Cost	-	16,412	16,412
Accumulated amortisation and impairment	-	(12,390)	(12,390)
Net book amount	-	4,022	4,022
Year ended 31 December 2020			
Opening net book amount	-	4,022	4,022
Additions	511	-	511
Disposals	-	(3)	(3)
Reclassifications	(44)	44	-
Amortisation	-	(1,287)	(1,287)
Closing net book amount	467	2,776	3,243
At 31 December 2020			
Cost	467	15,633	16,100
Accumulated amortisation and impairment	-	(12,857)	(12,857)
Net book amount	467	2,776	3,243
Year ended 31 December 2021			
Opening net book amount	467	2,776	3,243
Additions	640	-	640
Reclassifications	(458)	458	-
Amortisation	-	(1,367)	(1,367)
Closing net book amount	649	1,867	2,516
At 31 December 2021			
Cost	649	16,091	16,740
Accumulated amortisation and impairment	-	(14,224)	(14,224)
Net book amount	649	1,867	2,516

**19. Intangible assets (continued)**

	Intangibles in progress \$'000	Other intangible assets \$'000	Total \$'000
Consolidated			
At 1 January 2020			
Cost	-	16,412	16,412
Accumulated amortisation and impairment	-	(12,390)	(12,390)
Net book amount	-	4,022	4,022
Year ended 31 December 2020			
Opening net book amount	-	4,022	4,022
Additions	511	-	511
Disposals	-	(3)	(3)
Reclassifications	(44)	44	-
Amortisation	-	(1,287)	(1,287)
Closing net book amount	467	2,776	3,243
At 31 December 2020			
Cost	467	15,633	16,100
Accumulated amortisation and impairment	-	(12,857)	(12,857)
Net book amount	467	2,776	3,243
Year ended 31 December 2021			
Opening net book amount	467	2,776	3,243
Additions	640	-	640
Reclassifications	(458)	458	-
Amortisation	-	(1,367)	(1,367)
Closing net book amount	649	1,867	2,516
At 31 December 2021			
Cost	649	16,091	16,740
Accumulated amortisation and impairment	-	(14,224)	(14,224)
Net book amount	649	1,867	2,516

Accounting Policy

Expenditure on research activities, undertaken with the prospect of obtaining new scientific or technical knowledge and understanding, is recognised in the Statement of Comprehensive Income as an expense when incurred.

With respect to internally generated Intangible assets, expenditure on development activities is capitalised if the product or service is technically and commercially feasible and adequate resources are available to complete development. The expenditure capitalised comprises all directly-attributable costs, including costs of materials, services, direct labour and an appropriate proportion of overheads where the University has control over the expected benefits. Other development expenditure is recognised in the Statement of Comprehensive Income as an expense as incurred. Capitalised development expenditure is recognised at cost less accumulated amortisation.

Amortisation is calculated using the straight line method to allocate the cost over the period of the expected benefit, which is currently between 4 and 7 years.

Intangibles in progress represent capitalised expenditure where the project was incomplete at balance date. The expenditure is capitalised upon the completion of the project.

**19. Intangible assets (continued)****Accounting Policy (continued)**

Intangible assets that have an indefinite useful life are not subject to amortisation and are tested annually for impairment, or more frequently if events or changes in circumstances indicate that they might be impaired.

20. Payables

	Note	Consolidated		University	
		2021	2020	2021	2020
		\$'000	\$'000	\$'000	\$'000
Current					
Trade creditors*		25,218	24,730	24,621	24,973
Accrued salaries		12,652	14,912	12,635	14,898
Provision for Restructuring		-	975	-	975
OS-HELP liability to Australian Government	39(g)	2,013	2,013	2,013	2,013
Total current payables		39,883	42,630	39,269	42,859
Total payables		39,883	42,630	39,269	42,859

Accounting Policy

* These amounts represent liabilities for goods and services provided to the Group prior to the end of financial year which are unpaid. The amounts are unsecured and are usually paid within 30 days of recognition. Accrued expenses relate to expenses incurred not yet invoiced.

21. Lease liabilities

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Current				
Lease liabilities	2,313	2,352	2,313	2,352
Total current lease liabilities	2,313	2,352	2,313	2,352
Non-Current				
Lease liabilities	10,775	12,782	10,775	12,782
Total non-current lease liabilities	10,775	12,782	10,775	12,782
Total lease liabilities	13,088	15,134	13,088	15,134

**21. Lease liabilities (continued)****Financing arrangements****Maturity analysis - undiscounted contractual cash flows (Lease liabilities)**

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Less than one year	2,783	2,855	2,783	2,855
One to five years	9,806	9,798	9,806	9,798
More than 5 years	2,287	4,760	2,287	4,760
Total undiscounted contractual cash flows	14,876	17,413	14,876	17,413

The University has no loans.

Unrestricted access was available at reporting date to the following lines of credit:

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Credit standby arrangements				
Total facilities				
Credit card facility	3,000	3,000	3,000	3,000
Documentary letter of credit facility	200	200	200	200
Bank guarantee	5,100	5,100	5,100	5,100
Overseas bills purchased facility	1,000	1,000	1,000	1,000
Total credit standby arrangements	9,300	9,300	9,300	9,300
Used at balance date				
Credit card facility	5	2	5	2
Documentary letter of credit facility	-	-	-	-
Bank guarantee	1,600	1,607	1,600	1,607
Overseas bills purchased facility	-	-	-	-
Total used at balance date	1,605	1,609	1,605	1,609
Unused at balance date				
Credit card facility	2,995	2,998	2,995	2,998
Documentary letter of credit facility	200	200	200	200
Bank guarantee	3,500	3,493	3,500	3,493
Overseas bills purchased facility	1,000	1,000	1,000	1,000
Total unused at balance date	7,695	7,691	7,695	7,691

**22. Provisions**

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Current provisions expected to be settled within 12 months				
Annual leave*	20,694	20,312	20,591	20,224
Long service leave**	9,650	4,438	9,551	4,352
Separation scheme****	-	18,265	-	18,265
Workers' compensation liability***	272	376	272	376
	30,616	43,391	30,414	43,217
Current provisions expected to be settled after more than 12 months				
Annual leave*	8,965	9,155	8,965	9,155
Long service leave**	45,678	46,335	45,678	46,335
	54,643	55,490	54,643	55,490
Total current provisions	85,259	98,881	85,057	98,707
Non-current				
Long service leave**	15,070	17,585	15,070	17,585
Workers' compensation liability***	365	477	365	477
Total non-current provisions	15,435	18,062	15,435	18,062
Total provisions	100,694	116,943	100,492	116,769

Movements in the Workers' compensation liability are set out below:

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Carrying amount at start of year	853	1,281	853	1,281
Additional provisions recognised	429	603	429	603
Amounts used	(339)	(354)	(339)	(354)
Unused amounts reversed	(304)	(690)	(304)	(690)
Increase / (decrease) in discounted amount	(2)	13	(2)	13
Carrying amount at end of year	637	853	637	853



22. Provisions (continued)

Accounting Policy

*Annual leave

The annual leave liability is independently calculated each year in accordance with AASB 119 *Employee Benefits*. The last update was performed at 31 December 2021 by Deborah Jones, FIAA of Brett & Watson Pty Ltd.

The employees' entitlement to annual leave expected to be settled within twelve months of the end of the reporting period have been calculated at the amounts expected to be paid when liabilities are settled. Where the employees' entitlement to annual leave are not expected to be settled within 12 months of the end of the reporting period, the provision has been discounted to present values.

Sick leave

No provision has been made for sick leave as all sick leave is non-vesting and the average sick leave taken in future years by employees is estimated to be less than the annual entitlement of sick leave.

**Long service leave

The long service leave liability is independently actuarially estimated each year in accordance with AASB 119 *Employee Benefits*. The last update was performed at 31 December 2021 by Deborah Jones, FIAA of Brett & Watson Pty Ltd.

The liability for long service leave is recognised in the provision for employee benefits and measured as the present value of expected future payments to be made in respect of services provided by employees up to the reporting date. Consideration is given to expected future wage and salary levels, experience of employee departures and periods of service. Expected future payments are discounted using market yields at the reporting date on national Government bonds with terms to maturity that match, as closely as possible, the estimated future cash outflows. The long service leave liability includes associated on-costs.

Liabilities for employees' entitlements, which are expected to be settled after twelve months are discounted using market yields at the reporting date on national Government bonds with terms to maturity that match, as closely as possible, the estimated future cash outflows. The discount rate used for the 2021 valuation is 1.8% (2020: 1.2%).

***Workers' compensation

The University is responsible for payment of workers' compensation.

The provision for workers' compensation is independently actuarially estimated each year. The last update was performed at 31 December 2021 by Brett & Watson Pty Ltd using Case Estimation Methodology. Under this methodology, consideration is given to individual case estimates of all open claims plus an allowance for incurred but not reported claims, re-opening of claims regarded as closed and unforeseen escalation of case estimates as more information becomes available.

****Separation scheme

In 2021 the provision for Separation scheme is nil. The 2020 provision for Separation scheme related to an Early Retirement Scheme and included payments for separations, associated annual leave and long service leave liabilities and other costs. The leave liabilities included in this provision total \$6.16 million.

**23. Contract liabilities**

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Current				
Commonwealth and State Government grants	47,295	35,143	47,295	35,143
Income in Advance on incomplete projects	24,659	21,684	24,659	21,684
Student fees and charges in advance	16,347	15,191	16,347	15,191
Other	4,723	3,824	4,723	3,824
Total current contract liabilities	93,024	75,842	93,024	75,842

Accounting Policy

Commonwealth and State Government Grants represents Australian Government Grants received and represents funding received but not spent as detailed in Note 1(f) accounting policy.

Income in advance on incomplete projects represents grants and contracts received from other sources and represents the amounts received but not spent.

24. Other liabilities

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Current				
Funds held on behalf of external entities	1,428	4,379	1,369	4,355
Commonwealth and State Government unspent financial assistance	9,951	5,521	9,951	5,521
Student fees and charges in advance	2,204	1,411	2,204	1,411
Other	117	75	118	80
Total other liabilities	13,700	11,386	13,642	11,367

Accounting Policy

Funds held on behalf of external entities are amounts held by the University on behalf of a number of external entities. As at balance date, the funds held are included in cash and cash equivalents and a corresponding liability is included in other liabilities above.

Commonwealth and State Government unspent financial assistance represents Australian Government Grants received which the University regards as reciprocal and represents funding received but not spent.


25. Reserves

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Property, plant and equipment revaluation surplus				
Land, Buildings and Infrastructure	263,150	263,150	263,150	263,150
Art collection	1,647	1,382	1,647	1,382
	264,797	264,532	264,797	264,532
Equity instruments designated at fair value through other comprehensive income	71,315	56,353	73,841	56,353
Total reserves	336,112	320,885	338,638	320,885

The University has three reserves. The Land, Buildings and Infrastructure reserve records revaluations in Land, Buildings and Infrastructure, the Art collection reserve records revaluations in the Art collection and the Equity instruments designated at fair value through other comprehensive income records revaluations in Investments.

26. Key management personnel disclosures
(a) Names of responsible persons

The following persons were responsible persons of the University during the 2021 year. Council members include University employees who may be ex-officio members or elected staff members.

2021 Council Members

Ms Pauline Carr, Chancellor
Professor David Lloyd, Vice Chancellor and President
Hon John Hill, Deputy Chancellor
Mr Jim Hazel, Pro Chancellor
Mr Michael Abbott AO QC
Mr Noah Beckmann
Ms Karen Hunt
Professor Caroline McMillen AO
Mr Dinuk Nanayakkara
Associate Professor Barbara Parker
Ms Mary Patetsos
Ms Nicolle Rantanen Reynolds
Mr Ian Smith AM
Professor Vicki Waye
Mr Jim Whalley



26. Key management personnel disclosures (continued)

(a) Names of responsible persons (continued)

2021 University Enterprise Leadership Team

Professor David Lloyd, Vice Chancellor and President
 Mr Paul Beard
 Ms Jane Booth
 Professor Joanne Cys (Acting Provost & Chief Academic Officer)
 Professor Allan Evans
 Professor Marnie Hughes-Warrington
 Mr Tom Steer (Acting Chief Academic Services Officer)
 Professor Marie Wilson

(b) Remuneration of key management personnel

	Consolidated		University	
	2021	2020	2021	2020
	Number	Number	Number	Number
Remuneration of Council members				
Nil	4	4	4	4
\$20,000 to \$29,999	8	7	8	7
\$30,000 to \$39,999	-	1	-	1
\$40,000 to \$49,999	2	2	2	2
\$80,000 to \$89,999	1	1	1	1
	15	15	15	15

Remuneration received and receivable by Council members for their services as Council members was \$341,145 (2020: \$353,540). The total remuneration received and receivable by Council members in their position as Council members and as Directors of subsidiary companies was \$341,145 (2020: \$353,540).

**26. Key management personnel disclosures (continued)****(b) Remuneration of key management personnel (continued)**

	Consolidated		University	
	2021	2020	2021	2020
	Number	Number	Number	Number
Remuneration of executive officers				
\$20,000 to \$29,999	-	1	-	1
\$60,000 to \$69,999	-	1	-	1
\$80,000 to \$89,999	-	2	-	2
\$100,000 to \$109,999	-	2	-	2
\$210,000 to \$219,999	1	-	1	-
\$280,000 to \$289,999	1	-	1	-
\$390,000 to \$399,999	1	-	1	-
\$450,000 to \$459,999	-	2	-	2
\$460,000 to \$469,999	1	-	1	-
\$500,000 to \$509,999	-	1	-	1
\$570,000 to \$579,999	1	-	1	-
\$670,000 to \$679,999	1	1	1	1
\$720,000 to \$729,999	-	1	-	1
\$740,000 to \$749,999	1	-	1	-
\$1,200,000 to \$1,209,999	-	1	-	1
\$1,210,000 to \$1,219,999	1	-	1	-
	8	12	8	12

Total remuneration paid to the Vice Chancellor during the 2021 reporting period was \$1.219 million (2020: \$1.202 million).

Executive officers are defined as the Vice Chancellor and President, and the University's Enterprise Leadership Team. The remuneration includes all normal salary, leave, allowances and other benefits paid during the reporting year. No executive received any remuneration from the University other than by way of salary and related benefits from a normal employment relationship.

(c) Executive officers' compensation

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Short-term employee benefits	4,141	4,144	4,141	4,144
Post-employment benefits	321	352	321	352
Other long-term benefits	112	-	112	-
Total executive officers' compensation	4,574	4,496	4,574	4,496

**26. Key management personnel disclosures (continued)****(d) Related party transactions**

From time to time key management personnel have interests or positions in entities with which the University conducts business. In all cases transactions with these entities are undertaken during the ordinary course and under normal trading terms.

27. Remuneration of auditors

During the year, the following fees were paid for services provided by the auditor of the University, its related practices and non-related audit firms:

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Audit of the Financial Statements				
Fees paid to Auditor-General's Department	283	283	283	283
Fees paid to other auditors	15	15	-	-
Other audit and assurance services				
Fees paid to other auditors	56	28	56	28
Total paid for audit	354	326	339	311

Audit fees paid / payable to the Auditor-General's Department relating to work performed under Section 19 of the University of South Australia Act 1990 in 2021 were \$0.28m (2020: \$0.28m).

28. Contingencies

The University has no material contingent liabilities or assets.



29. Commitments

(a) Capital commitments

Capital expenditure contracted for at the reporting date but not recognised as liabilities is as follows:

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Property, plant and equipment:				
Within one year	5,188	3,492	5,188	3,492
Total Property, plant and equipment commitments	5,188	3,492	5,188	3,492

Property, plant and equipment commitments represent capital works project expenditure.

(b) Other expenditure commitments

Commitments for other expenditure in existence at the reporting date but not recognised as liabilities, are payable as follows:

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Within one year	10,935	17,477	10,935	17,477
Between one and five years	9,005	13,248	9,005	13,248
Later than five years	2,104	2,738	2,104	2,738
Total other expenditure commitments	22,044	33,463	22,044	33,463

Other expenditure commitments includes contributions to Co-operative Research Centres (CRC), cleaning, security and material commitments arising from grants received from NHMRC.

30. Related Parties

(a) Parent entities

The ultimate Australian parent entity within the Group is the University of South Australia.

(b) Subsidiaries

Interests in subsidiaries are set out in note 32.

(c) Key management personnel

Disclosures relating to directors and specified executives are set out in note 26.

(d) Transactions with related parties

The following transactions occurred during the reporting period with related parties:

	2021	2020
	\$'000	\$'000
Fees paid to subsidiaries for the provision of services under agreement	1,792	3,020



31. Superannuation plans

(a) Categories

The University contributes to a number of superannuation schemes, divided into the following categories:

- (i) UniSuper plans open to membership:
 - UniSuper Defined Benefit Plan or Accumulation Super 2
 - Accumulation Super 1
- (ii) State Government Schemes closed to future membership by University employees:
 - State Pension Scheme
 - State Lump Sum Scheme

(b) UniSuper Limited Superannuation Scheme

The employees' UniSuper plan is determined by the terms of employment and is managed by a corporate trustee, UniSuper Limited. The plan is administered by UniSuper Management Pty Ltd.

The employer contribution rate for 2021 for employees in either the Defined Benefit Division (DBD) or Accumulation Super 2 was 17% of salaries. For employees in Accumulation Super 1 the contribution rate was 10.0% for 2021.

The UniSuper DBD is a defined benefit plan under Superannuation Law but is considered to be a defined contribution plan under Accounting Standards AASB 119. As set out under paragraph 28 of AASB 119, a defined contribution plan is a plan where the employer's legal or constructive obligation is limited to the amount it agrees to contribute to the funds and the actuarial risk and investment risk fall on the employee.

Clause 34 (b) of the Trust Deed states that the "Trustee must consider whether it is in the interests of the Members of Division A and Division B as a whole to reduce the benefits payable under Division A and Division B and, if it so considers that it should reduce benefits (which may include benefits in the course of payment), it must do so on a fair and equitable basis and at a time or times it decides".

As at 30 June 2021 the assets of the DBD aggregate (i.e. entire multi-employer DBD plan) were estimated to be:

- \$5,070 million above (2020: \$3,276 million in excess) vested benefits, after allowing for various reserves. The Vested Benefits Index based on funding assumption was 121.3%. The vested benefits are benefits which are not conditional upon continued membership (or any factor other than leaving the service of the participating institution) and include the value of indexed pensions being provided by the DBD.
- \$7,339 million above (2020: \$5,267 million in excess) accrued benefits, after allowing for various reserves. The Accrued Benefits Index based on best estimate assumptions was 134.2%. The accrued benefits have been calculated as the present value of expected future benefit payments to members and indexed pensioners which arise from membership of UniSuper up to the reporting date.

**31. Superannuation plans (continued)****(b) UniSuper Limited Superannuation Scheme (continued)**

The vested benefit and accrued benefit liabilities were determined by the Fund's actuary using the actuarial demographic assumptions outlined in their report on the actuarial investigation of the DBD as at 30 June 2021. The financial assumptions used were:

	Vested Benefits	Accrued Benefits
Gross of tax investment return - DBD pensions	5.3% p.a.	6.5% p.a.
Gross of tax investment return - commercial rate indexed pensions	2.4% p.a.	2.4% p.a.
Net of tax investment return - non pensioner members	4.6% p.a.	5.7% p.a.
Consumer Price Index	2.0% p.a.	2.0% p.a.
Inflationary salary increases - For the next 3 years	2.25% p.a.	2.25% p.a.
Inflationary salary increases - Beyond 3 years	2.75% p.a.	2.75% p.a.

Assets have been included at their net market value, that is, after allowing for realisation costs.

(c) Super SA Superannuation plan

A number of present and past employees of the University and its predecessor institutions are members of the South Australian Superannuation Scheme. This scheme is administered by Super SA on behalf of the South Australian Superannuation Board (the Board) which is responsible for managing this scheme. The Board was established under section 5 of the *Superannuation Act 1988*. The funds are managed by the specialist investment manager, Superannuation Funds Management Corporation of South Australia (Funds SA).

Under this scheme, benefits are paid as a continuing pension or lump sum to members eligible to claim their entitlement. The Pension Scheme is a defined benefit scheme where member benefits are calculated as a percentage of final salary. Benefits are generally payable fortnightly and are indexed by Consumer Price Index (CPI). The Lump Sum Scheme is part accumulation and part defined benefit where member basic entitlements represent a refund of the member's contributions with investment returns plus a defined multiple of final salary.

Under current arrangements, Super SA pays eligible members their benefit and is reimbursed by the University for the shortfall in the employer's contribution. The Commonwealth Government fully funds the University on an emerging cost basis for the costs and recovers the State's share of the cost directly from the State Government under the Commonwealth - State Agreement. The Agreement provides that the employer component of the superannuation benefits payable to former employees of the University who were members of one of the main State Schemes, be shared.

An actuarial assessment (the Assessment) of the University's superannuation liability with respect to future benefits for current pensioners and employees was performed by Brett & Watson Pty. Ltd. as at 31 December 2021. The actuarial valuation was based on 30 June 2021 membership data which was projected to 31 December 2021 using the Projected Unit Credit Method. The University's present value of the defined benefit obligations was assessed to be \$385.41 million (2020: \$436.57 million).

The University's liability under the scheme has been partly funded by assets of \$57.87 million (2020: \$57.00 million) from 3% productivity employer contributions. This results in an unfunded liability of \$327.54 million (2020: \$379.56 million).

**31. Superannuation plans (continued)****(c) Super SA Superannuation plan (continued)**

The weighted average duration of the defined benefit obligation is 10.49 years (2020: 10.87 years). The expected maturity analysis of undisclosed benefit obligations is as follows:

	Less than 1 year \$'000	Between 1 and 2 years \$'000	Between 2 and 5 years \$'000	More than 5 years \$'000	Total \$'000
Defined Benefit obligation - 31 December 2021	28,506	27,991	80,612	335,942	473,051
Defined Benefit obligation - 31 December 2020	29,704	28,302	82,138	363,642	503,786

The analysis of the plan assets at the balance sheet date is as follows:

	2021 (%)		2020 (%)	
	Active Market	No Active Market	Active Market	No Active Market
Equity instruments	52.7	0.0	51.5	0.0
Property	1.7	14.8	2.0	15.2
Diversified Strategies Growth	1.1	14.6	0.1	15.7
Diversified Strategies Income	13.4	0.0	12.9	0.0
Cash	1.7	0.0	2.6	0.0
Total	70.6	29.4	69.1	30.9



31. Superannuation plans (continued)

(d) Amounts recognised in the Statement of Financial Position

	University	
	2021	2020
	\$'000	\$'000
Reconciliation of the present value of the defined benefit obligation		
Present value of defined benefit obligation at beginning of year	436,569	480,860
Current service cost	121	133
Interest cost	4,639	6,521
Actuarial (gain) / loss		
(a) Impact of changes in demographic assumptions	-	(5,998)
(b) Impact of changes in salary increase assumptions	-	(536)
(c) Impact of changes in long term inflation assumptions	-	(22,237)
(d) Impact of changes in discount rate	(26,189)	12,710
(e) Impact of changes in fund share	-	(5,186)
(c) Experience items	(878)	610
Benefits and expenses paid	(28,853)	(30,308)
Present value of defined benefits obligations at end of year	385,409	436,569
Reconciliation of the fair value of the defined benefit plan assets		
Fair value of Scheme assets at start of year	57,005	54,404
Interest income	591	742
Actual return on assets less Interest income	6,908	1,836
Employer contributions	22,214	30,331
Benefits and expenses paid	(28,853)	(30,308)
Fair value of Scheme assets at end of year	57,865	57,005
Net Liability		
Defined Benefit Obligation	385,409	436,569
Less: Fair value of plan assets	(57,865)	(57,005)
Net Liability	327,544	379,564
Defined Benefit Provision		
Current	28,500	29,704
Non-current	299,044	349,860
Total Defined Benefit Provision	327,544	379,564

The net unfunded amount of \$327.54 million (2020: \$379.56 million) has been recognised in the accounts of the University as a liability and a corresponding receivable from the Commonwealth Government. The asset and liability have been classified as current and non-current according to cash flow projections of the Assessment.



31. Superannuation plans (continued)

(d) Amounts recognised in the Statement of Financial Position (continued)

The Commonwealth Government has agreed to provide assistance under Section 20 of the *Higher Education Funding Act* to meet the additional costs in respect of State Government emerging cost schemes, where costs are in excess of funding provided for this purpose in the base operating grant.

Assumptions adopted by Brett & Watson Pty. Ltd in determining the University's liability were:

- Long term rate of increase in the Consumer Price Index (CPI) 2.0% per annum (2020 2.0%)
- Salary increases 2.5% per annum (2020 2.5%)
- Discount Rate 1.8% per annum (2020 1.1%)

These rates provide for a 0.5% real gap between long term CPI and salary increases.

The sensitivity of the defined benefit obligation to changes in the significant assumptions is:

Significant Assumption	Increase in assumption	Impact on Defined Benefit Obligation	Decrease in assumption	Impact on Defined Benefit Obligation
Discount rate	0.5%	Decrease by 4.4%	0.5%	Increase by 4.8%
Pension increase rate	0.5%	Increase by 5.0%	0.5%	Decrease by 4.6%
Mortality rate	10.0%	Decrease by 3.9%	10.0%	Increase by 4.4%

Accounting Policy

Superannuation schemes exist to provide benefits to University employees and their dependants upon resignation, retirement, disability or death. The University recognises an expense in the Statement of Comprehensive Income for contributions paid to the funded schemes and on an emerging cost basis for the unfunded schemes.

Unfunded superannuation

An arrangement exists between the Australian Government and the South Australian State Government to share the unfunded liability of the University's beneficiaries of the South Australian State Superannuation Scheme on an emerging cost basis. This arrangement is evidenced by the State Grants (General Revenue) Amendment Act 1988, Higher Education Funding Act 1988 and subsequent amending legislation. Accordingly, the unfunded liabilities have been recognised in the Statement of Financial Position as a liability with a corresponding asset. The recognition of both the asset and the liability consequently does not affect the year end net asset position of the University or the University of South Australia. The net expense is nil.

**32. Subsidiaries**

The consolidated financial statements incorporate the assets, liabilities and results of the following subsidiaries in accordance with the accounting policy included in Note 15. Other financial assets:

Name of Entity	Principal Activities	Principal place of business	Ownership interest	
			2021	2020
			%	%
University of South Australia Foundation Incorporated	Dormant entity with no assets, liabilities or equity	Australia	100	100
UniSA Ventures Pty Ltd	Commercialisation of research of the University	Australia	100	100
UniSA Health Pty Ltd	Provision of clinical placements to undergraduate and postgraduate students in allied health clinics	Australia	100	100

33. Investments in associates

The South Australian Broadband Research & Education Network (SABRENet) Ltd is an associate of the Group. While the University has significant influence over SABRENet, its interest in SABRENet is limited to the use of SABRENet's asset. That is, the University receives no return for its interest in SABRENet. The investment in this associate is not material and therefore it is not incorporated in the financial statements.

Accounting Policy

Associates are all entities over which the Group has significant influence but not control. If material, investments in associates are accounted for in the parent entity financial statements using the cost method and in the consolidated financial statements using the equity method of accounting, after initially being recognised at cost.

34. Interests in joint arrangements**Accounting Policy**

Under AASB 11, interests in joint arrangements are classified as either joint operations or joint ventures depending on the contractual rights and obligations each investor has, rather than the legal structure of the joint arrangement.

Joint operations

The University's interests in joint operations are Centre for Cancer Biology (Ownership Interest 2021:50% (2020:50%)) and Mawson Centre Building (Ownership Interest 2021:63% (2020:63%)).

Overall the University's interests in these joint operations are not considered to be material to the University's core activities and therefore are not incorporated in the financial statements. If material, the share of assets, liabilities and expenses of a joint operation are incorporated in the financial statements under the appropriate headings.

Joint ventures

The University's interests in joint ventures is South Australian Tertiary Admissions Centre Ltd (Ownership Interest 2021:20% (2020:20%)).

The University's interests in these joint ventures are not considered to be material to the University's core activities and therefore are not incorporated in the financial statements. If material, interests in a joint venture are accounted for in the consolidated financial statements using the equity method, after initially being recognised at cost by the University.


35. Events occurring after the balance sheet date

The University holds shares in IDP Education Limited as detailed in Note 15. Other financial assets. On 1 March 2022 the University sold 50% of its shareholding in IDP Education Limited resulting in net cash proceeds of \$25.8m.

No other matters or circumstances have arisen since the end of the financial year and the date of this report, that significantly affected or may significantly affect the operation of the University or the Group, the results of those operations, or the state of affairs of the University or the Group in future periods.

36. Reconciliation of operating results after income tax to net cash flows from operating activities

	Consolidated		University	
	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000
Operating result for the period	53,250	21,297	52,849	21,085
Add / (less) non-cash items:				
Depreciation and amortisation	42,366	43,624	42,350	43,606
Net (gain) / loss on sale of property, plant and equipment	10	166	10	166
Impairment of property, plant and equipment	(109)	441	(109)	441
Property, plant and equipment in progress adjustments	398	531	398	531
Loss on Sale of Investment	10	-	310	-
Changes in operating assets and liabilities:				
(Increase) / decrease in receivables	4,146	(9,572)	3,386	(9,503)
(Increase) / decrease in other assets	1,880	2,556	1,704	2,657
Increase / (decrease) in payables and tax liabilities	(4,740)	12,278	(3,953)	11,885
Increase / (decrease) in provisions	(16,249)	20,012	(16,277)	19,997
Increase / (decrease) in other liabilities	19,765	3,582	19,483	3,886
Net cash provided by / (used in) operating activities	100,727	94,915	100,151	94,751



37. Financial risk management

The University's activities expose it to a variety of financial risks: market risk (including currency risk, fair value interest rate risk, cash flow interest rate risk and price risk), credit risk and liquidity risk. The University's overall risk management program focuses on the unpredictability of financial markets and seeks to minimise potential adverse effects on the financial performance of the University of South Australia.

The University uses different methods to measure different types of risk to which it is exposed. These methods include informal sensitivity analyses and seeking professional advice to manage the market risk of its investments.

Risk management is co-ordinated by the University under policies approved by Council. The University identifies and evaluates financial risks in close co-operation with the University's operating units.

(a) Market risk

(i) Foreign exchange risk

The University assesses the likely foreign exchange risk for offshore activities and enters into hedging arrangements if appropriate.

As at 31 December 2021 the University held US\$2.01million (A\$2.77million) (2020: US\$5.00 million (A\$6.49 million)) as cash at bank and deposits at call.

The University assesses the likely foreign exchange risk for probable forecasted transactions in foreign currencies for onshore activities and enters into hedging arrangements to mitigate foreign exchange risk if appropriate.

(ii) Cash flow and fair value interest rate risk

Interest rate risk is the risk that the value of a financial instrument will fluctuate due to changes in market interest rates.

Exposures arise predominantly from assets and liabilities bearing variable interest rates as such the Group intends to hold fixed rate assets and liabilities to maturity.

(iii) Risk associated with equity instruments designated at fair value through other comprehensive income

Investments comprise investments in listed and unlisted entities. The University has a prudent investment strategy. It is acknowledged there may be short-term fluctuations in asset values from time to time; however historical trends for such a strategy indicate that, with reasonable probability, unrealised losses will be recovered in the medium to long-term.

The nature of the University's activities are generally low risk. Investments tend to be largely held in term deposits with banking institutions and debtors are spread across a large number of customers. Due to the nature and value of the financial instruments held by the University, sensitivity analysis has not been provided.



37. Financial risk management (continued)

(b) Credit risk

Credit risk represents the loss that would be recognised if counterparties failed to perform as contracted.

The credit risk on financial assets excluding investments of the University which have been recognised in the statement of financial position is the carrying amount net of any provisions for impaired receivables.

The University is not materially exposed to credit risk from any specific overseas country or individual customer.

(c) Liquidity risk

The University manages liquidity risk by monitoring forecast cash flows to enable the University to meet financial commitments in a timely manner.

Non-Interest Bearing financial assets and financial liabilities include receivables, other financial assets and payables. Cash and cash equivalents are interest earning financial assets, ranging from immediate availability to maturity of less than two years.

38. Fair value measurements

(a) Fair value measurements

The fair value of financial assets and financial liabilities must be estimated for recognition and measurement or for disclosure purposes.

Due to the short-term nature of the current receivables, their carrying value approximates their fair value and based on credit history it is expected that the receivables that are neither past due nor impaired will be received when due. Similarly, due to the short-term nature of current payables, the carrying value is assumed to approximate fair value.

The Group measures and recognises the following assets and liabilities at fair value on a recurring basis:

- Financial assets at fair value through profit and loss
- Financial assets at fair value through other comprehensive income
- Available-for-sale financial assets
- Land and Buildings
- Infrastructure
- Art collection

(b) Fair value hierarchy

The University categorises assets and liabilities measured at fair value into a hierarchy based on the level of inputs used in measurements.

Level 1	Quoted prices (unadjusted) in active markets for identical assets or liabilities
Level 2	Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly
Level 3	Inputs for the asset or liability that are not based on observable market data (unobservable inputs)



38. Fair value measurements (continued)

(b) Fair value hierarchy (continued)

(i) Recognised fair value measurements

Fair value measurements recognised in the statement of financial position are categorised into the following levels at 31 December 2021.

Fair value measurements

	Note	2021 \$'000	Level 1 \$'000	Level 2 \$'000	Level 3 \$'000
Recurring fair value measurements at 31 Dec 2021					
Financial assets					
Equity instruments designated at fair value through other comprehensive income	15	94,650	87,614	1,632	5,404
Total financial assets		94,650	87,614	1,632	5,404
Non-financial assets					
Land and buildings					
Land	18	184,153	-	184,153	-
Buildings		793,036	-	15,256	777,780
Infrastructure		43,543	-	-	43,543
Other non-financial assets	18				
Art Collection		3,093	-	-	3,093
Total non-financial assets		1,023,825	-	199,409	824,416
Recurring fair value measurements at 31 Dec 2020					
Financial assets					
Equity instruments designated at fair value through other comprehensive income	15	78,283	21,330	51,792	5,161
Total financial assets		78,283	21,330	51,792	5,161
Non-financial assets					
Land and buildings					
Land	18	184,190	-	184,190	-
Buildings		816,380	-	15,288	801,092
Infrastructure		45,250	-	-	45,250
Other non-financial assets	18				
Art collection		3,823	-	-	3,823
Total non-financial assets		1,049,643	-	199,478	850,165

There were no transfers between Levels 1 and 2 for recurring fair value measurements during the year.

The University's policy is to recognise transfers into and transfers out of fair value hierarchy levels as at the end of the reporting period.



38. Fair value measurements (continued)

(c) Valuation techniques used to derive Level 2 and Level 3 fair values

Assets or liabilities not traded in active markets

The fair value of financial instruments that are not traded in an active market is determined using valuation techniques. These valuation techniques maximise the use of observable market data where it is available and rely as little as possible on entity specific estimates. If all significant inputs required to fair value an instrument are observable, the instrument is included in Level 2. All other financial instruments that are not traded in an active market are included in Level 3.

Land, Buildings and Infrastructure

The Group engages external, independent and qualified valuers to determine the fair value of the Group's Land, Buildings and Infrastructure at least every three years. As at 31 December 2019, the fair values of Land, Buildings and Infrastructure have been determined by Opteon Pty Ltd. One of the University's buildings, partly damaged by fire in 2016 and now vacant, was written off as a result of Opteon Pty Ltd determination of the building's fair value as at 31 December 2019.

Land fair value estimates were based on the highest and best use of the land, being the existing use as University campuses and valued separately from any structures or improvements residing on it, but having regard to any restrictions on its use. These assets are classified as Level 2.

Buildings fair value estimates were based on the highest and best use, being the existing use as University campuses. The valuation technique for buildings adopted by Opteon Pty Ltd was to assess the written down current cost for the buildings. New replacement costs on the basis of a modern equivalent were assessed and then generally depreciated using the straight line method, having regard to the estimated useful and remaining life for each structure. 11 properties were identified as having sufficient market based evidence to assess their value and these are classified as Level 2. All other Buildings are classified as Level 3.

Art collection

The Art collection is revalued at least every three years using an internal valuation carried out by the Director: Samstag Museum of Art giving consideration to current sales and auctions of works by the same artist and/or similar genre. The collection was valued at 31 December 2021.

**38. Fair value measurements (continued)****(d) Fair value measurements using significant unobservable inputs (Level 3)**

The following table is a reconciliation of Level 3 items for the periods ended 31 December 2021 and 2020.

Level 3 Fair Value Measurement 2021	Unlisted equity securities \$'000	Buildings \$'000	Infrastructure \$'000	Art collection \$'000	Total \$'000
Opening balance	5,161	801,092	45,250	3,823	855,326
Acquisitions	3,606	2,820	432	10	6,868
Disposals	(3,363)	-	-	(5)	(3,368)
Recognised in profit or loss	-	(26,132)	(2,139)	-	(28,271)
Recognised in other comprehensive income	-	-	-	265	265
Transfers out	-	-	-	(1,000)	(1,000)
Closing balance	5,404	777,780	43,543	3,093	829,820

Level 3 Fair Value Measurement 2020	Unlisted equity securities \$'000	Buildings \$'000	Infrastructure \$'000	Art Collection \$'000	Total \$'000
Opening balance	5,193	823,659	46,076	3,823	878,751
Acquisitions	218	3,522	1,298	-	5,038
Disposals	(250)	-	-	-	(250)
Recognised in profit or loss	-	(26,089)	(2,124)	-	(28,213)
Closing balance	5,161	801,092	45,250	3,823	855,326

(i) Transfers between Level 2 and Level 3 and changes in valuation techniques

Other than described above, there were no changes in valuation techniques during the year.



38. Fair value measurements (continued)

(d) Fair value measurements using significant unobservable inputs (Level 3) (continued)

(ii) Valuation inputs and relationships to fair value

The following table summarises the quantitative information about the significant unobservable inputs used in Level 3 fair value measurements. See (c) above for the valuation techniques adopted.

Description	Fair value at 31 December 2021 \$'000	Unobservable inputs	Range of inputs (probability weighted average)	Relationship of unobservable inputs to fair value
Unlisted equity securities	5,404	Market comparison based on internal assessment of net asset values and potential growth	Net asset position and future earnings	Increase in net assets and increase in future earnings would result in higher fair values; decrease in net assets and decrease in future earnings would result in lower fair values.



39. Acquittal of Australian Government financial assistance

(a) EDUCATION - CGS and other Education grants

	Commonwealth Grants Scheme #1		Indigenous, Regional and Low-SES Attainment Fund #2		Promotion of Excellence in Learning and Teaching		Higher Education Disability Support Program #3	
	2021	2020	2021	2020	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Note								
Financial assistance received in cash during the reporting period (total cash received from the Australian Government for the program)	203,601	186,056	7,787	7,422	-	-	262	93
Net accrual adjustments	(7,427)	140	-	-	-	-	-	-
Revenue for the period	196,174	186,196	7,787	7,422	-	-	262	93
Movement in deferred income	-	-	-	-	-	-	-	-
Surplus / (deficit) from the previous year	-	-	-	-	47	62	-	-
Total revenue including accrued revenue	196,174	186,196	7,787	7,422	47	62	262	93
Less expenses including accrued expenses	(196,174)	(186,196)	(7,787)	(7,422)	(1)	(15)	(155)	(93)
Surplus / (deficit) for reporting period	-	-	-	-	46	47	107	-



39. Acquittal of Australian Government financial assistance (continued)

(a) EDUCATION - CGS and other Education grants (continued)

	Note	National Priorities and Industry Linkage Fund		Indigenous Student Success Program #4		Tertiary Access Payment		Total
		2021	2020	2021	2020	2021	2020	
		\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	
Financial assistance received in cash during the reporting period (total cash received from the Australian Government for the program)		7,000	-	1,716	1,727	1,529	-	221,895
Net accrual adjustments		-	-	72	(57)	(1,491)	-	(8,846)
Revenue for the period	2	7,000	-	1,788	1,670	38	-	213,049
Movement in deferred income		-	-	(72)	57	1,491	-	1,419
Surplus / (deficit) from the previous year		-	-	233	176	-	-	280
Total revenue including accrued revenue		7,000	-	1,949	1,903	1,529	-	214,748
Less expenses including accrued expenses		(7,000)	-	(1,788)	(1,670)	(428)	-	(213,333)
Surplus / (deficit) for reporting period		-	-	161	233	1,101	-	1,415
								280

#1 Includes the basic CGS grant amount, Allocated Places and Non Designated Courses.

#2 Includes the Higher Education Participation and Partnership Program, Regional Loading and Enabling Loading.

#3 Higher Education Disability Support Program includes Additional Support for Students with Disabilities and Australian Disability Clearing house on Education and Training.

#4 Indigenous Student Success Program has replaced the Indigenous Commonwealth Scholarships Program and the Indigenous Support Program as of 1 January 2017.



39. Acquitall of Australian Government financial assistance (continued)

(b) Higher Education Loan Programs (excl OS-HELP)

	HECS-HELP (Australian Government payments only)		FEE-HELP		SA-HELP		Total	
	2021	2020	2021	2020	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Note								
Cash Payable / (Receivable) at the beginning of the year	2,583	1,234	751	993	(21)	(9)	3,313	2,218
Financial assistance received in cash during the reporting period	140,641	148,371	9,705	9,895	3,725	3,742	154,071	162,008
Cash available for the period	143,224	149,605	10,456	10,888	3,704	3,733	157,384	164,226
Revenue earned	141,353	147,022	9,980	10,137	3,848	3,754	155,181	160,913
Cash Payable / (Receivable) at the end of the year	1,871	2,583	476	751	(144)	(21)	2,203	3,313

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39. Acquittal of Australian Government financial assistance (continued)

(c) Department of Education and Research

	Research Training Program		Research Support Program		Total	
	2021	2020	2021	2020	2021	2020
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Note						
Financial assistance received in cash during the reporting period (total cash received from the Australian Government for the program)	19,005	19,622	34,821	16,903	53,826	36,525
	19,005	19,622	34,821	16,903	53,826	36,525
	1,793	1,989	-	-	1,793	1,989
	20,798	21,611	34,821	16,903	55,619	38,514
Revenue for the period	(18,992)	(19,818)	(34,821)	(16,903)	(53,813)	(36,721)
Total revenue including accrued revenue	1,806	1,793	-	-	1,806	1,793
Less expenses including accrued expenses						
Surplus / (deficit) for reporting period						



39. Acquittal of Australian Government financial assistance (continued)

(d) Total Higher Education Provider Research Training Program expenditure

	Total domestic students \$'000	Total overseas students \$'000
Research Training Program fees offsets	12,861	-
Research Training Program stipends	5,024	1,107
Research Training Program allowances	4	(4)
Total for all types of support	17,889	1,103

(e) Other capital funding

		Linkage Infrastructure, Equipment and Facilities Scheme		Total	
		2021	2020	2021	2020
	Note	\$'000	\$'000	\$'000	\$'000
Financial assistance received in cash during the reporting period (total cash received from the Australian Government for the program)		775	950	775	950
Net accrual adjustments		50	(435)	50	(435)
Revenue for the period	2	825	515	825	515
Movement in deferred income		(50)	79	(50)	79
Surplus / (deficit) from the previous year		115	36	115	36
Total revenue including accrued revenue		890	630	890	630
Less expenses including accrued expenses		(825)	(515)	(825)	(515)
Surplus / (deficit) for reporting period		65	115	65	115



39. Acquittal of Australian Government financial assistance (continued)

(f) Australian Research Council Grants

	Discovery		Linkages		Networks and Centres		Special Research Initiatives		Total
	2021	2020	2021	2020	2021	2020	2021	2020	2021
Note	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Financial assistance received in cash during the reporting period (total cash received from the Australian Government for the program)	4,847	4,137	1,679	912	-	-	(269)	200	6,257
Net accrual adjustments	(802)	(114)	606	834	69	421	300	(200)	173
Revenue for the period	4,045	4,023	2,285	1,746	69	421	31	-	6,430
Movement in deferred income	1,021	310	637	(300)	477	162	(300)	200	1,835
Surplus / (deficit) from the previous year	3,606	3,295	1,566	1,873	317	155	378	178	5,867
Total revenue including accrued revenue	8,672	7,628	4,488	3,319	863	738	109	378	14,132
Less expenses including accrued expenses	(4,062)	(4,022)	(2,328)	(1,753)	(69)	(421)	(31)	-	(6,490)
Surplus / (deficit) for reporting period	4,610	3,606	2,160	1,566	794	317	78	378	7,642

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**39. Acquittal of Australian Government financial assistance (continued)****(g) OS-HELP**

	2021	2020
Note	\$'000	\$'000
Cash received during the reporting period	-	2,444
Cash spent during the reporting period	-	(434)
Net cash received	-	2,010
Cash surplus / (deficit) from the previous period	2,013	3
Cash surplus for the reporting period	20 2,013	2,013

(h) Superannuation Supplementation

	2021	2020
	\$'000	\$'000
Cash received during the reporting period	23,285	30,552
Cash available	23,285	30,552
Cash surplus / (deficit) from the previous period	2,307	(880)
Cash available for current period	25,592	29,672
Contributions to specified defined benefit funds	(24,771)	(27,365)
Cash surplus for the reporting period	821	2,307

(i) Student services and amenities fee

	2021	2020
Note	\$'000	\$'000
Unspent / (overspent) revenue from previous period	811	291
SA-HELP revenue earned	3,848	3,754
Student services fees direct from students	4 1,415	1,287
Total revenue expendable in period	6,074	5,332
Student services expenses during period	(4,666)	(4,521)
Unspent student services revenue	1,408	811



CERTIFICATE
FINANCIAL STATEMENTS
FOR THE YEAR ENDED 31 DECEMBER 2021

To the best of our knowledge and belief:

- the financial statements:
 - are in accordance with the accounts and records of the University and give an accurate indication of the financial transactions of the University for the year then ended;
 - comply with the relevant Treasurer's Instructions promulgated under the provisions of the *South Australian Public Finance and Audit Act 1987*;
 - comply with the requirements of the *Australian Charities and Not-for-Profits Commission Act 2012*;
 - comply with relevant Accounting Standards and other mandatory professional reporting requirements in Australia; and
 - present a true and fair view of the financial position of the University as at 31 December 2021 and the result of its operations and its cash flows for the year then ended.
- the amount of Australian Government financial assistance expended during the reporting period was for the purpose(s) for which it was intended and the University has complied with applicable legislation, contracts, agreements and program guidelines in making expenditure.
- the University charged Student Services and Amenities Fees strictly in accordance with the *Higher Education Support Act 2003* and the Administration Guidelines made under the Act. Revenue from the fee was spent strictly in accordance with the Act and only on services and amenities specified in subsection 19-38(4) of the Act.
- internal controls over financial reporting and preparation of the financial statements have been effective throughout the reporting period.
- at the time of signing this statement, there are reasonable grounds to believe that the University will be able to pay its debts as and when they become due and payable.

Ms Pauline Carr
Chancellor

Professor David G. Lloyd
Vice Chancellor and President

Ms Ginette Fogarty
Chief Financial Officer

10 May 2022



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**To the Chancellor
University of South Australia**

Opinion

I have audited the financial report of the University of South Australia and the consolidated entity comprising the University of South Australia and its controlled entities for the financial year ended 31 December 2021.

In my opinion the accompanying financial report has been prepared in accordance with the provisions of the *Public Finance and Audit Act 1987*, Division 60 of the *Australian Charities and Not-for-profits Commission Act 2012*, the *Higher Education Support Act 2003* and Australian Accounting Standards, including:

- a) giving a true and fair view of the financial position of the University of South Australia and its controlled entities as at 31 December 2021, its financial performance and its cash flows for the year then ended, and
- b) complying with Division 60 of the Australian Charities and Not-for-profits Commission Regulation 2013.

The financial report comprises:

- a Statement of Comprehensive Income for the year ended 31 December 2021
- a Statement of Financial Position as at 31 December 2021
- a Statement of Changes in Equity for the year ended 31 December 2021
- a Statement of Cash Flows for the year ended 31 December 2021
- notes, comprising significant accounting policies and other explanatory information.

Basis for opinion

I conducted the audit in accordance with the *Public Finance and Audit Act 1987* and Australian Auditing Standards. My responsibilities under those standards are further described in the 'Auditor's Responsibilities for the Audit of the Financial Report' section of my report. I am independent of the University of South Australia and its controlled entities.

The *Public Finance and Audit Act 1987* establishes the independence of the Auditor-General. In conducting the audit, the relevant ethical requirements of APES 110 Code of Ethics for Professional Accountants (including Independence Standards) have been met.

I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my opinion.

Responsibilities of the Vice-Chancellor and President and the Council for the financial report

The Vice-Chancellor and President is responsible for the preparation of the financial report that gives a true and fair view in accordance with relevant Treasurer's Instructions promulgated under the provisions of the *Public Finance and Audit Act 1987*, the *Australian Charities and Not-for-profits Commission Act 2012*, the *Higher Education Support Act 2003* and the Australian Accounting Standards, and for such internal control as management determines is necessary to enable the preparation of the financial report that gives a true and fair view and is free from material misstatement, whether due to fraud or error.

The Council is responsible for overseeing the University of South Australia's financial reporting process.

Auditor's responsibilities for the audit of the financial report

As required by section 31(1)(b) of the *Public Finance and Audit Act 1987* and section 19 of the *University of South Australia Act 1990*, I have audited the financial report of the University of South Australia and its controlled entities for the financial year ended 31 December 2021.

My objectives are to obtain reasonable assurance about whether the financial report as a whole is free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes my opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Australian Auditing Standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of this financial report.

As part of an audit in accordance with Australian Auditing Standards, I exercise professional judgement and maintain professional scepticism throughout the audit. I also:

- identify and assess the risks of material misstatement of the financial report, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for my opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control

- obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the University of South Australia's internal control
- evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the Vice-Chancellor and President
- evaluate the overall presentation, structure and content of the financial report, including the disclosures, and whether the financial report represents the underlying transactions and events in a manner that achieves fair presentation.

My report refers only to the financial report described above and does not provide assurance over the integrity of electronic publication by the entity on any website nor does it provide an opinion on other information which may have been hyperlinked to/from the report.

I communicate with the Vice-Chancellor and President and the Council about, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that I identify during the audit.



Andrew Richardson

Auditor-General

13 May 2021

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