



University of
South Australia

FORESTRY RESEARCH

Mount Gambier

Forestry Research Mount Gambier is a partnership between the University of South Australia, the Governments of South Australia and Australia and the forest industry. It will assist in delivering the regional priorities of the National Institute for Forest Products Innovation.

unisa.edu.au/formtg





A NEW FOREST INDUSTRY PARTNERSHIP

The University of South Australia (UniSA) has partnered with the forest industry, the South Australian and Australian Governments, to establish a forestry research and development hub known as Forestry Research Mount Gambier (FoRMtG).

Located at UniSA's Mount Gambier campus, Forestry Research Mount Gambier will support South Australia's \$1.2 billion forest industry. This partnership will create a strategic alliance to leverage outcomes and provide highly skilled research resources to address forest industry needs.

Forestry Research Mount Gambier will play a vital role in fostering collaboration, supporting research, boosting innovation and maintaining jobs while making Mount Gambier one of the major centres for forest industry research in the country.

Investing in 140 years of South Australian forestry know-how to drive forest expansion, increase profitability and create new regional jobs.

THE FUTURE OF FORESTRY

Research at UniSA is inspired by challenges, partnered with end-users and communities, and underpinned by excellence, with 97 per cent of our research rated at or above world class standard.* We pride ourselves on our capacity to create interdisciplinary teams that tackle significant real world problems and create opportunities to build capacity and translate research into tangible outcomes and innovative real world impact.

The location of Forestry Research Mount Gambier, places it within the Green Triangle – one of Australia's major forest regions. As one of South Australia's largest regional sectors, UniSA can see that the Green Triangle forest industry's profitability and sustainability is vital.

UniSA's research capabilities will create opportunities and translate research into outcomes, assisting Forestry Research Mount Gambier to:

- be a world-class provider of forest industry research in chosen priority areas;
- contribute to industry-wide, sustainable outcomes in the growing, processing and marketing of timber products;
- develop value-adding opportunities for the industry through interdisciplinary, collaborative research.

Forestry Research Mount Gambier aims to contribute to long-term industry goals, with market driven improvement in tree growing, processing and product development. It will strengthen and enhance the Green Triangle's forestry activity, building on its existing reputation as an important region for the growth and processing of timber.

The effect on the region will be significant, including boosting innovation and maintaining jobs.

* Excellence in Research for Australia 2015

97% OF OUR ASSESSED RESEARCH RATED AT OR ABOVE WORLD STANDARD

2015 Excellence in Research for Australia (ERA)

RATED FIVE STARS FOR EXCELLENCE

In research, employability, teaching, facilities, internationalisation, social responsibility and innovation
2018 QS Stars Ratings

RANKED IN THE TOP 5 UNIVERSITIES IN AUSTRALIA

For teaching, international outlook, research and industry income

2017 THE Top 200 Under 50



INNOVATIVE RESEARCH

UniSA – Australia's University of Enterprise – is a globally connected and engaged university helping to solve the problems of industry and the professions.

We are a university for the 21st century and our reputation continues to grow, with both the Times Higher Education and QS ranking the University in the top 50 world universities under 50 years old.

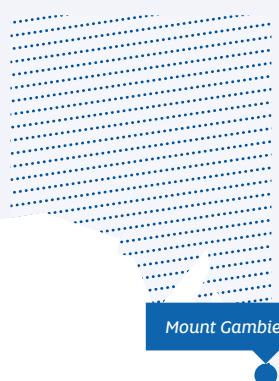
Committed to a future-focused Australia, UniSA implements unique and innovative approaches in teaching, research and engagement. The research priorities of Forestry Research Mount Gambier will capitalise on UniSA's strengths to tackle significant real world problems of the forest industry. Our research aims to capture the needs of the forestry supply chain, all of which encompass strategic and contemporary issues.

Our forest-related research capabilities include:

- water security,
- sustainability and community,
- analytics and sensing,
- building product development and testing,
- workforce safety,
- process optimisation and
- bio-economy.

Forestry Research Mount Gambier is currently undertaking projects which focus on a variety of research-based activities, including:

- Plantation water use
- Forest Yield Predictions from Multi-Temporal LiDAR
- Multi spectral scanning
- National forestry database development
- Plantation based bioenergy possibilities
- Unmanned Aerial Vehicle Based Monitoring of Forest Stands
- Low cost remote sensing data for practical forest management.



INNOVATION THROUGH INDUSTRY

With more than 2,500 industry partners around the world, UniSA offers a pragmatic, flexible and distinctive approach to engagement and collaboration.

Forestry Research Mount Gambier is supported by industry and government to achieve a sustainable future for the local forestry industry.

Forestry Research Mount Gambier forms part of the Federal Government's National Innovation and Science Agenda, as well fitting into the strategic and economic priorities of the South Australian Government. Forestry Research Mount Gambier's extension of the already considerable research capacity of ForestrySA and the National Institute for Forest Products Innovation, ensures the continuation of vital research.

In addition, Forestry Research Mount Gambier fits into the priorities of the Australian Forest Product Association's national plan "Plantations: The Missing Piece of the Puzzle".

MOUNT GAMBIER: HEART OF THE GREEN TRIANGLE

UniSA is focused on engaging with the world and being responsive to its needs.

UniSA has significantly invested in the capacity and infrastructure of its Mount Gambier campus, paving the way for Forestry Research Mount Gambier to tackle important, contemporary issues such as water sustainability, energy use and residue management.

Mount Gambier is an ideal location for a forest research hub as it's at the centre of Australia's largest plantation forest growing region, as well as being home to one of UniSA's regional campuses.

Plantation forest growing and processing, like many successful industries, has innovative research and development capacity as its base. The development of key forest research hubs located in South Australia and Tasmania, assists in providing the support needed to achieve the key goals and ongoing improvements of the forestry industry.

The forest industry continues to be one of the largest employers in the region, providing 7,000 direct and 15,000 indirect jobs, according to industry sources.

The Green Triangle is home to 17.9 per cent of Australia's total plantation estate, including five globally significant plantation companies who have investments in the region.

Forestry Research Mount Gambier is committed to seeking and implementing forest industry initiatives and innovation that will embed South Australia – and Mount Gambier – as a leader in forest-related endeavours.



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For more information, please visit
unisa.edu.au/formtg

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