

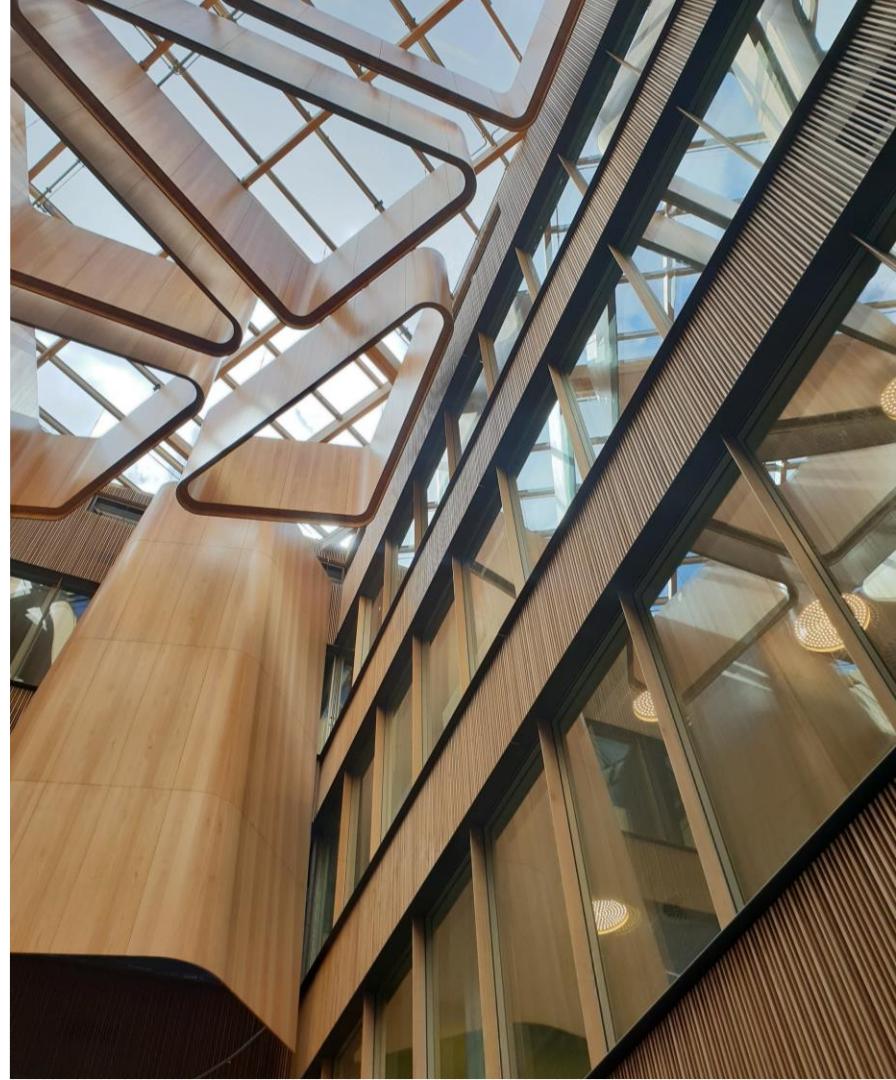


Australian Forest and Wood Innovations

Supporting transformational innovation across the national forestry and forest product value chain.

Dr. Dean Williams
AFWI Interim Director

October 2024



Today's Journey

AFWI's Strategy

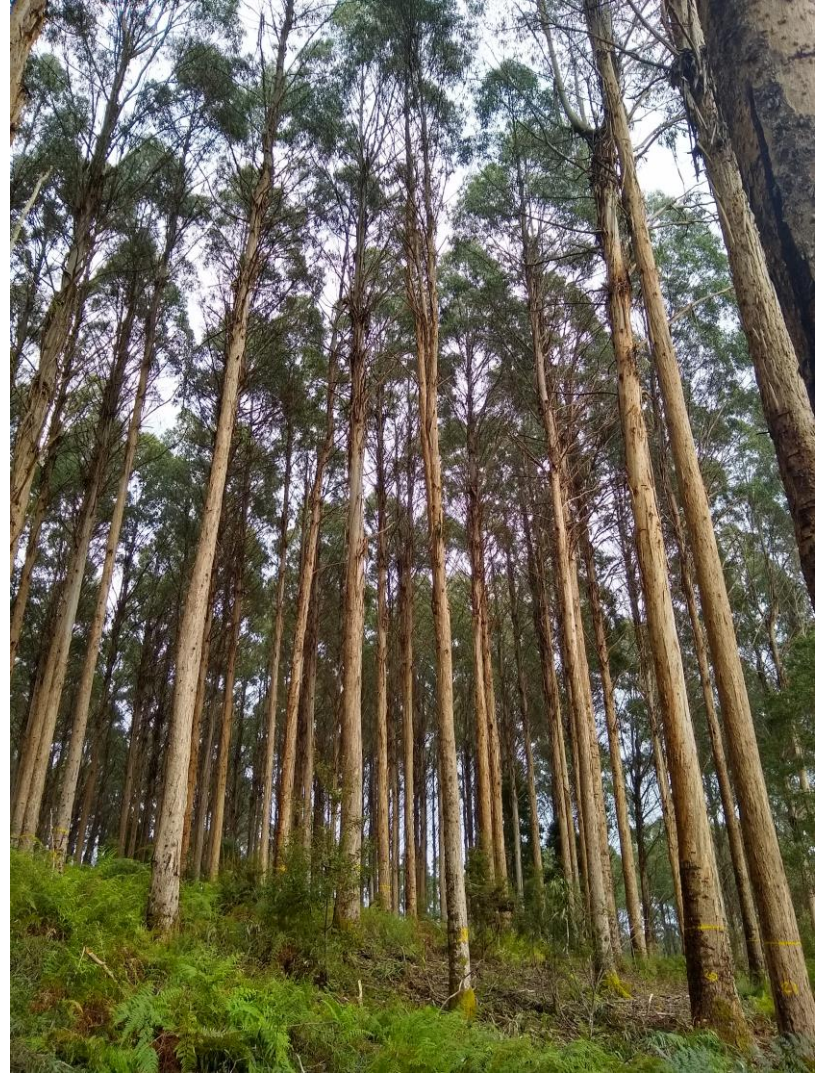
AFWI's Structure and Resourcing

Research project submission

Research Centres

National Open Call for projects

Wrap-up



AFWI's Purpose



Improve sustainability through climate solutions & decarbonising the economy



Increase on-shore processing



Create new innovative higher-value products



Increase in economic growth and jobs



Grow long-term research capacity and capability

AFWI's Scope

Sustainable forests for our future

Forest management that delivers multiple outcomes for profitability, a healthy environment and society

Making the most of our available wood fibre

Enhanced value-adding and opportunities to drive the new circular economy and bolster domestic manufacturing.

Climate Change Solutions

Drive the nation's net zero transition through integrated forest and forest product solutions



Key Enablers

Industry-led innovation and adoption

Generate new knowledge and adapt emerging technologies to transform industry practice

Digital transformation and value-adding

Unlock productivity and efficiency through innovation, data-driven insights and novel products and services

Advanced research capacity

Foster national coordination of our research capability to underpin a resilient and cutting-edge forest and forest products industry



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Measuring success

Key target areas where we seek to have impact

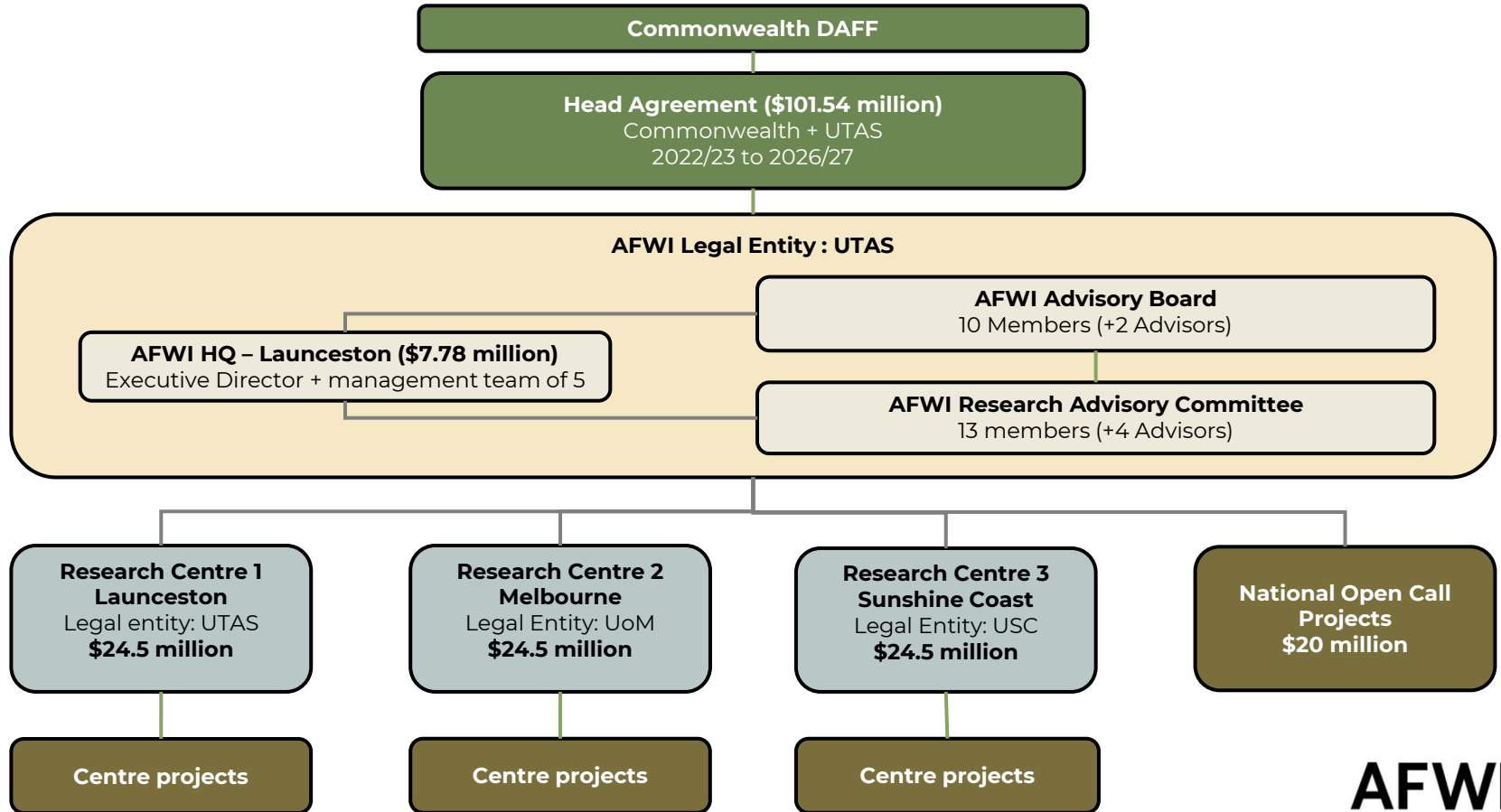
Responsive and industry aligned research investments and capacity

Transformation in industry practice

Profitability and sustainability across the sector and beyond

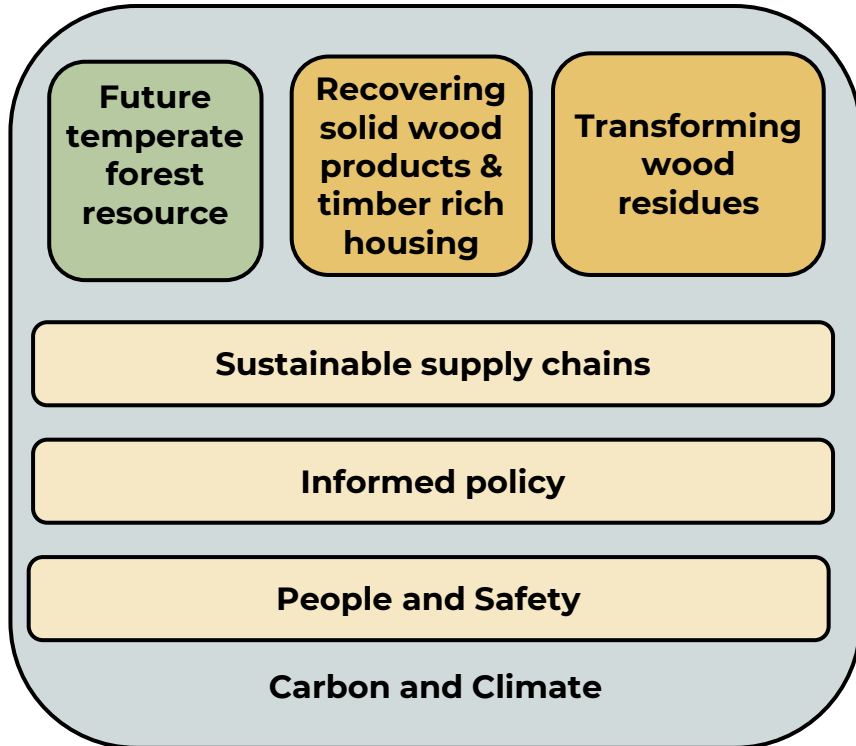


AFWI Structure and Resources

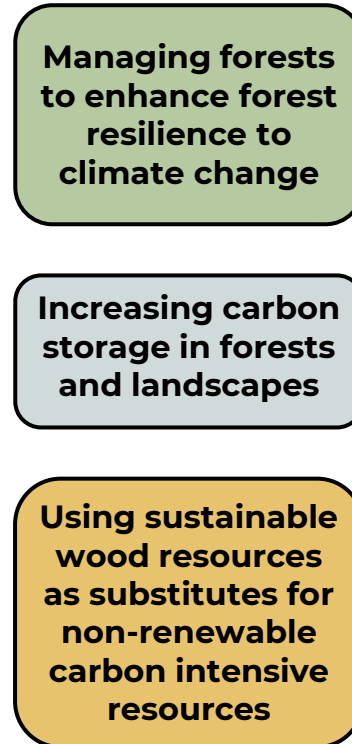


Research Centre Areas of Focus

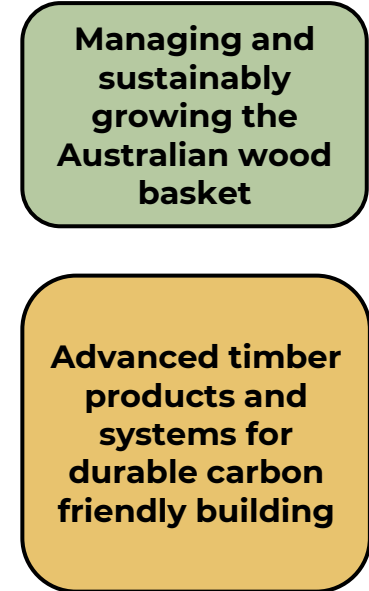
UTAS



UoM



USC

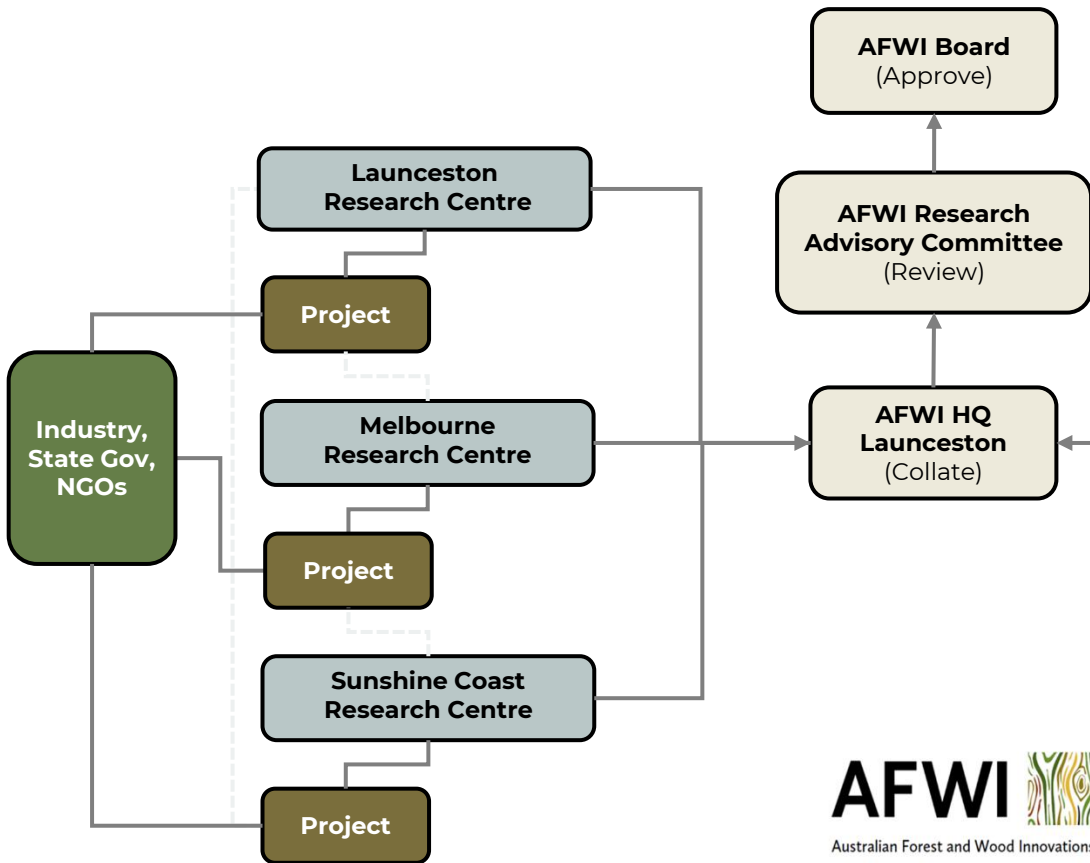


Research Centre Collaborators

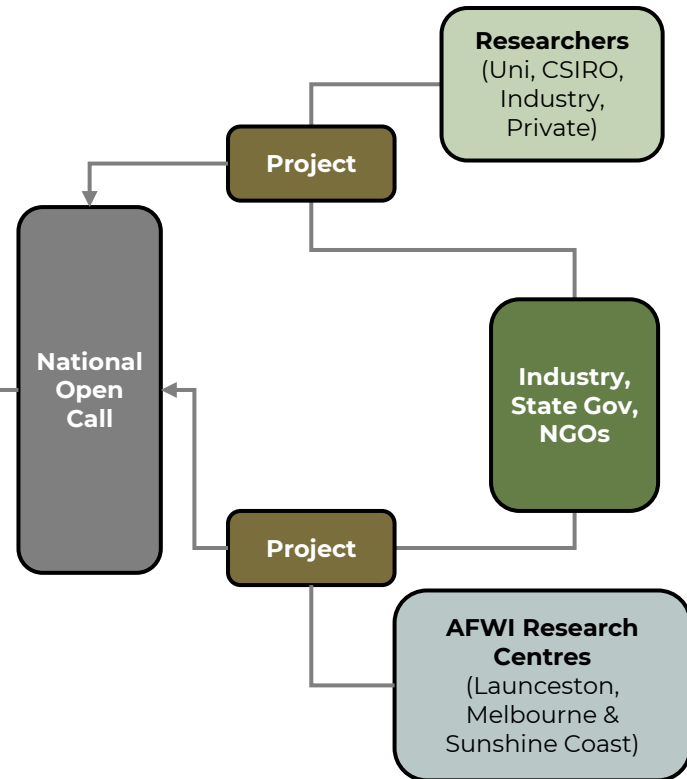
Lead institution	UTAS	UoM	USC
Collaborating Institutions	<ul style="list-style-type: none"> • University of South Australia • CSIRO* • Monash University • Murdoch University* 	<ul style="list-style-type: none"> • Federation University Australia • Murdoch University* • Western Sydney University • Australian National University • CSIRO* • Western Australian Department of Biodiversity, Conservation, and Attractions • NSW Department of Primary Industries* • The Superpower Institute 	<ul style="list-style-type: none"> • Queensland Department of Agriculture and Fisheries • The University of Queensland • New South Wales Department of Primary Industries* • Griffith University • University of Southern Queensland • Central Queensland University • Northern Territory Department of Industry, Tourism and Trade • James Cook University • Queensland University of Technology • Southern Cross University

Research Project Selection

Research Centre Projects



National Open Call Projects



National Open Call Round 1

Number of projects submitted

25

Sustainable forests for our future

20

Total cash ask

\$27 million

Making the most of our available wood fibre

10

Total industry support

\$43 million

Climate Change Solutions

14

National Open Call successful project statistics

Number of
successful projects

8

Total number of
project partners

46

Number of
Phd/ECRs
(expected)

36

Total industry
support

**\$5.8
million**



National Open Call selected projects

Sustainable forests for our future

Title: Odour misinformation: a new way to reduce vertebrate pest damage to plantation seedlings

Lead Organisation: The University of Sydney

Project Partners: Sustainable Timber Tasmania, Reliance Forest Fibre, Forico Pty Ltd, University of Tasmania

Title: Developing more productive plantation trees better adapted to changing environments

Lead Organisation: Growers Collaborative Committee managed by Forest and Wood Products Australia

Project Partners: Tree Breeding Australia Limited, Forico Pty Limited, HQ Plantations Pty Ltd, Hancock Victorian Plantations Pty Limited

Title: Enhancing Fire Resilience in Australian Plantations

Lead Organisation: Growers Collaborative Committee managed by Forest and Wood Products Australia

Project Partners: HQPlantations, The University of Melbourne, Southern Cross Forests Trust (Southern Cross Forests), Australian Bluegum Plantations Pty Ltd, Reliance Forest Fibre Pty Ltd as Trustee for the Reliance Fibre Trust, HQPlantations Pty Ltd, Timberlands Pacific Pty Ltd, Forico Pty Limited, Wespine Industries Pty Ltd, Hancock Victorian Plantations Pty Ltd

Title: Delivering fauna trends in forestry landscapes using sensors and AI

Lead Organisation: Charles Sturt University

Project Partners: Forestry Corporation of New South Wales, Department of Primary Industries and Regional Development, The University of New England, University of Southern Queensland

Making the most of our available wood fibre

Title: Evaluation of Suitable Timber Species for Australian Sports Flooring Systems

Lead Organisation: Australian Timber Flooring Association

Project Partners: Australian Timber Flooring Association, Queensland Government, Department of Agriculture and Fisheries (DAF), Griffith University

Title: Modernising Australian Timber Windows: Addressing Regulatory Challenges, Resource and Material Shifts

Lead Organisation: Timber Development Association

Project Partners: Australian Glass and Window Association (AWA-AGGA T/A), Australian Sustainable Hardwoods, Pentarch Forestry Group

Title: Long-term Creep Behaviour of Australian Structural Glulam

Lead Organisation: TPC Solutions (Aust) Pty Ltd

Project Partners: Glued Laminated Timber Association of Australia, CEMQA Pty Ltd

Title: Future Lightweight Timber Framing: Productivity

Lead Organisation: University of Tasmania

Project Partners: Timber Development Association of New South Wales, Deakin University, Griffith University, Queensland University of Technology, University of Melbourne, University of South Australia, University of Sunshine Coast, Western Sydney University, Wood Products Victoria Ltd

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To wrap up

We have developed a strategy, systems and processes

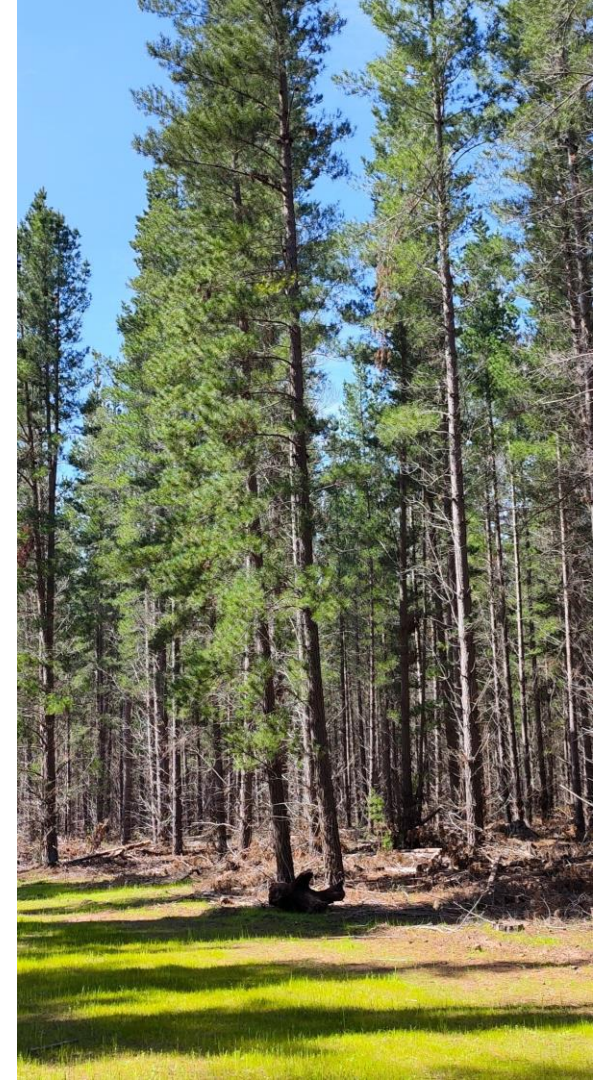
We have management and governance systems, processes and people in place

We have completed the first National Open Call

There has been 8 out of 25 proposed projects recommended for \$ 5 million in funding support

We are working with USC and UoM to establish the research centres

Each research centre is responsible for delivering over \$35 million in research effort.





Thank you