



# National Institute for Forest Products Innovation

## Mount Gambier Centre

### Call for Project Proposals Briefing Document

### Research and Development Projects - Round 2

#### Program Objective

The Mount Gambier Centre of the National Institute for Forest Products Innovation (NIFPI Mount Gambier Centre) aims to grow Australia's forest and forest products industry by exploring and facilitating innovation in the plantation forest products sector in areas such as forest management, timber processing, wood fibre recovery, value adding, advanced manufacturing and the bio-economy.

Innovation is defined as an idea that translates to a solution that industry adopts.

#### Outcome Statement

“To position industry for the future by pursuing greater productivity through collaboration and innovation to allow the local plantation growing and processing sector to be internationally competitive”.

NB: The outcome statement for the NIFPI Mount Gambier Centre is consistent with the Vision and Growth Objectives outlined in *Transforming Australia's Forest Products Industry (Recommendations from the Forest Industry Advisory Council)* and Opportunities identified in *the Blueprint for the Future South Australian Forest and Wood Products Industry (2014-2040)* (SA Forest Industry Advisory Board, 2014).

#### Round 2 Priorities

The NIFPI Mount Gambier Centre is calling for project proposals to conduct research and development projects in (**but not limited to**) the following priority areas relating to the Green Triangle's plantation resources:

- i) Development of new products – composites, extractives, bioenergy
  - a. Better utilisation of pine core wood
  - b. Better value recovery from waste products of log and timber manufacturing
  - c. Energy utilisation and management strategies
- ii) Innovative, safe and efficient work places
  - a. Improved safety and productivity outcomes through improved understanding of Fatigue Management throughout the forestry supply chain
  - b. Develop innovative systems to transport new and existing products
  - c. Maximisation of output efficiency and safety of local processing facilities

- iii) Tree Growing
  - a. Forest Health: Surveillance and monitoring across the GT Region
  - b. Improvements relating to genetic gain to maximise/optimize fibre production
- iv) Precision Management
  - a. Fire detection systems using technology for rapid and reliable detection
  - b. Application of remotely acquired data and remote sensing technologies
  - c. Improved provision and utilisation of resource and product properties into and out of mills
- v) Social Licence
  - a. Better understanding of groundwater flow patterns
  - b. Best practice plantation water use monitoring and soil moisture measurement
- vi) Robotics, automation and Artificial Intelligence
  - a. Better use of data streams (e.g. Robotics and automation systems),)

*Note for applicants:*

*Projects need not be limited to these priority areas if they can demonstrate innovation and potential benefit across a wide cross-section of the Green Triangle plantation and forest products industry. There is an expectation that outcomes of projects will have national applicability where practicable and relevant.*

## **Eligibility**

### **Applicant eligibility**

To be eligible for funding from the NIFPI Mount Gambier Centre, the applicant must:

- have an Australian Business Number
- have (or be able to partner with and/or acquire) the demonstrated operational capability and expertise to successfully deliver and operate the project
- not be subject to any legal disability, including bankruptcy or liquidation
- identify governance arrangements for project delivery where more than one entity is involved in project delivery
- have documented evidence of support from Green Triangle industry partners attached to proposals.

*Note for applicants:*

- a) *To enhance broader industry reach of project outcomes, joint applications are encouraged and may include registered Research Service Providers as appropriate.*
- b) *Proposals for projects requiring use of capital items can use project funds only to cover scheduled depreciation of any capital assets .*

### **Project eligibility**

To be eligible under the NIFPI Mount Gambier Centre, a project must demonstrate innovation and that its outcome(s) will benefit the Green Triangle forest industry. There is an expectation that funding support from industry will be obtained for the project. Projects that can demonstrate nationally significant outcomes and leverage industry funding are encouraged and will be considered favourably.

### ***Late project applications***

A late application will not be accepted unless the Mount Gambier Centre of the National Institute for Forest Products Innovation otherwise determines, in its absolute discretion, that it is appropriate for the late application to be considered.

### **Evaluation Criteria**

Projects will be judged on the quantum and value of deliverables within the NIFPI Mount Gambier Centre region. Applicants must be able to complete funded activities within the nominated timeframe for the project, and within less than three years from project commencement.

If there are opportunities for collaboration or joint funding with the NIFPI Launceston Centre, these should be identified as part of the proposal. Note that it is not the intention of the NIFPI Mount Gambier Centre to duplicate ongoing or existing projects that are already being funded through other sources.

Eligible projects will be evaluated against the following five evaluation criteria, which have equal weighting. However, projects must meet all criteria to a minimum sufficient standard to be considered for funding.

#### **1. Level of Innovation**

The NIFPI Mount Gambier Centre specifically aims to encourage innovations throughout the forestry and forest products sector.

#### **2. Economic Benefits**

The contribution of the project towards industry growth and employment levels including potential to lead to improved returns from the Green Triangle forest resource. Applications should preferably contain a cost benefit analysis of the project outcomes.

*Note for applicants: This criterion will be used to assess the importance of the project to the broader forest industry and the Green Triangle community rather than the importance of the project to the applicant's business. Applicants are encouraged to provide evidence of the widest range of industry support possible.*

#### **3. Financial Capacity**

The applicant's financial capacity (or a financial strategy) to cover project costs not proposed to be funded through the NIFPI Mount Gambier Centre.

*Note for applicants: The applicant must clearly demonstrate the level of investment to be made by the applicant, partners and industry in the project and how that investment is to be supported by the applicant. The investment may include both cash and in-kind contributions, and may identify funds contributed, or leveraged, from other sources including other funding programs.*

#### **4. Project Feasibility**

The feasibility of the project including aspects such as:

- a) The degree to which the applicants proposed methodology and rationale is feasible and will achieve the project outcomes;

- b) Quality of the proposed project;
- c) Capacity of the applicant to deliver the proposal including: key personnel and project team skills, the collective suitability of team members (including any partners if applicable), technical, management and professional capabilities; degree, appropriateness and currency of experience; team composition, size and appropriateness;
- d) Pathway to industry adoption including: economic benefits and timeline for impact.
- e) All projects must be completed and reported no later than 30 June 2021.

*Note for applicants:*

- a) *In addressing this criterion applicants must include a statement detailing any issues that will be critical to the success of this project and indicate the proposed approach and methodology to be used. A project outcome delivery program should also be provided.*
- b) *All team members proposed to be engaged in the project must be detailed in the application.*

## **5. Value for Money**

- a) Proportion of project costs required to be provided through the NIFPI Mount Gambier Centre.
- b) Timeframe to achieving stated project outcomes.

*Note for applicants:*

- a) *Projects that require a lower proportion of their total project costs to be provided by the NIFPI Mount Gambier Centre will be rated higher.*
- b) *Projects that have shorter timeframes to achieving tangible, beneficial outcomes for the forest industry will be rated higher.*

## **Intellectual property (IP)**

The Institute recognises that, given the level of public funding being provided to the program, project IP can be held as commercial in confidence only for the minimum amount of time required for it to be appropriately protected and made accessible to third parties. Background IP and Third Party IP will remain the property of the party providing it to the research project, unless otherwise agreed.

In managing IP, researchers will need to demonstrate that they have IP policies and procedures in place that are understood by staff and contractors.

IP arrangements will be agreed and detailed in the project funding agreement.

Queries regarding IP can be directed to Chris Lafferty, Manager, Research Development and Extension, FWPA, ph. (03) 9927 3220 or [Chris.Lafferty@fwpa.com.au](mailto:Chris.Lafferty@fwpa.com.au)

## **NIFPI Mount Gambier Centre Offer**

This is the second funding round offered by the NIFPI Mount Gambier Centre. Importantly, the previous round (Round 1) was the only round offering the opportunity for funded activities of up to three years duration. All projects funded under round 2 must be completed by 30 June 2021.

To ensure the best projects are rewarded under the NIFPI Mount Gambier Centre, a flexible approach will be maintained (within the constraints imposed by NIFPI Mount Gambier Centre cash flows) in determining both the total \$ quantum allocated in this round and the \$ quantum awarded to individual projects.

There is a total of \$2.5 million in Round 2 remaining available from a total investment of \$4 million under the NIFPI Mount Gambier Centre investment program excluding additional financial contributions received from project partners. The grants are expected to range from \$50,000 to a maximum of \$500,000 for any one project. However, applicants with projects considered to rank strongly against the evaluation criteria that exceed this amount should not be discouraged from applying.