

# Objective 5



Assemble product suite and  
establish characteristics and  
performance

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# Objective 5 – Products

**Objective 5** – Assemble the product suite and establish its characteristics and in-service performance

5.1 – Experimental product assembly

5.2 – Product characterisation and testing

5.3 – Product assessment in-service

# Objective 5 – Products

## ***Experimental product assembly***

- Objective 1 to provide guidance
  - delay in output being delivered
- Understanding of veneer properties, characteristics and performances
  - Delays due to trial 2 producing limited veneer; Trial 3 compromised in veneer quantity and quality due to supporting equipment limited performance
  - Trial 4 successful in producing quantity and quality required
- Understanding of adhesive performance
  - DAF have undertaken trials and identified suitable adhesives and manufacturing protocols
- Identify several products to pursue

# Objective 5 – Products

## ***Queensland DAF developments***

- Processing
  - Veneer thickness
  - Quality
- Mechanical performances
  - May restrict suitability for some products
  - Options for more advanced construction strategies
- Attractive appearance qualities
  - Veneer v's sawn
  - Colour (variation)
  - Fibre structure

# Objective 5 – Products

## ***Queensland DAF developments***

- Plywood
- LVL
- Overlay products
- Engineer flooring
- Multilaminar
  - Sawn
  - Turned
- Blockboard
- Finishes

# Objective 5 – Products

## *Plywood*





# Objective 5 – Products

## *Laminated veneer lumber*



# Objective 5 – Products

## ***Overlay products***





# Objective 5 – Products

## ***Engineered flooring***



# Objective 5 – Products

## ***Multilaminar***



# Objective 5 – Products

## *Multilaminar*





# Objective 5 – Products

## *Multilaminar*



# Objective 5 – Products

## *Multilaminar*





# Objective 5 – Products

Department of Agriculture and Fisheries

**ACIAR FST/2009/062 Development of advanced veneer and other products from coconut wood to enhance livelihoods in South Pacific communities**

**DAF Report – Cocoveneer product development**

**Report 1**

**August 2015**



# Objective 5 – Products

## ***Product characterisation and testing***

- Larger scale product manufacture
- Optimised construction strategies
- Manufacturing protocols
- Mechanical properties
- Product performances

# Objective 5 – Products

## ***Product assessment in-service***

- Scaled up assessments

# Questions



Australian Government  
Australian Centre for  
International Agricultural Research



Queensland  
Government



SPC  
Secretariat  
of the Pacific  
Community

UTAS 

CSAW