Australian Government
Australian Centre for International Agricultural Research

Queensland Government

SPC Secretariat of the Pacific Community

UNIVERSITY of TASMANIA

ACIAR project

CSAW

FST/2009/062

Development of advanced veneer and other products from coconut wood to enhance livelihoods in South Pacific communities

Content

- Project participants and objectives.
- Project structure.
- Information resources.
- Training program.

Project organisation

Commissioning organisation

Australian Government
Australian Centre for International Agricultural Research

Tony Bartlett
Forestry Research Program Manager
Australian Centre for International Agricultural Research

Australia based

UNIVERSITY of TASMANIA

Associate Professor **Greg Nolan**
Project Leader, Director CSAW, University of Tasmania
Dr **David Blackburn**
Project Research Fellow, University of Tasmania

Queensland Government

Rob McGavin
Research Facility and Project Manager, Queensland Department of Agriculture, Fisheries (QDAF) Dr **Henri Bailleres**
Team Leader, QDAF

Project organisations

Partner country based

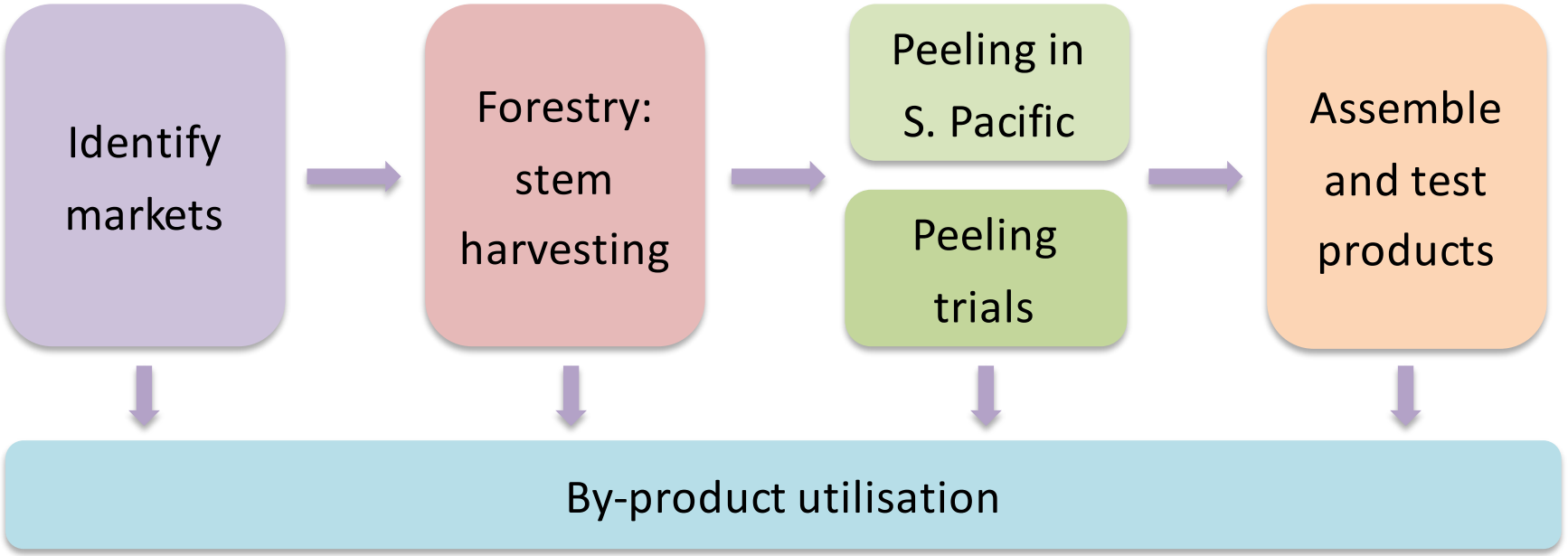
Sairusi Bulai
Coordinator, Forest and Trees Group, Pacific Community (SPC)
Ms. **Moana Masau &** Ilikimi Carati Bokadi
Coconut Wood Veneer Technician and Technician Assistant, SPC

Semi V. Dranibaka
Principal Utilisation Officer, Fiji Ministry of Fisheries & Forests

Tolusina Pouli
Forestry Department, Ministry of Natural Resources and the Environment, Somoa

Reeves Moveni
Ministry of Forestry Research, Solomon Islands

Project Objectives



Objective 1 – Identify Markets

Identify markets

Objective 1 – Identify the most promising product options for the veneer from coconut stem

Objective 2 – Forestry

Forestry: stem harvesting

Objective 2 - Develop protocols and capacity for sustainable low-impact coconut wood harvesting, plantation rehabilitation, and log grading, handling and transport

Obj. 3 – Veneer peeling in S. Pacific

Peeling in S. Pacific

Peeling trials

Objective 3 – Establish experimental veneer-peeling capacity in the South Pacific

Spindle-less lathes

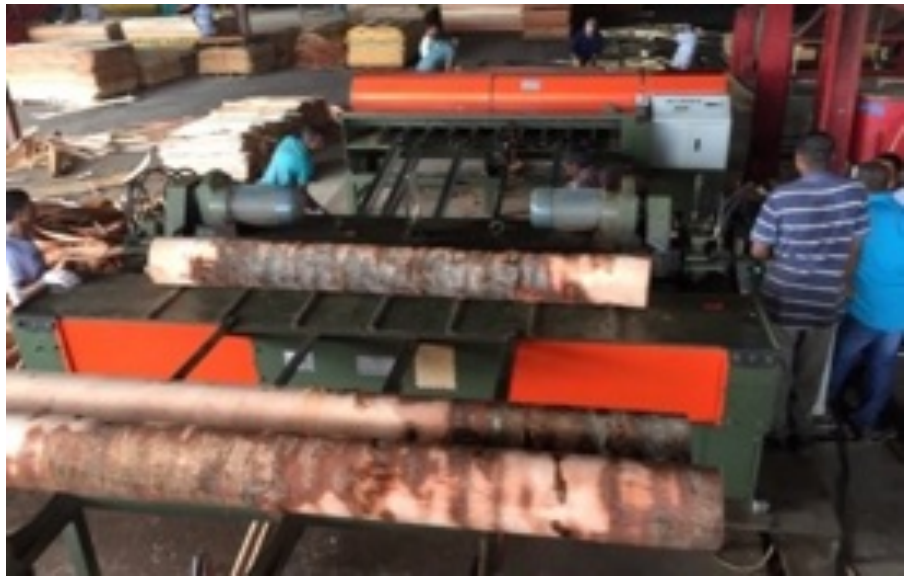
- A spindle-less lathe uses periphery drive rollers to pushes the log against the blade for peeling.
- This increases recovery over spindled lathes as small diameter logs can be peeled efficiently down to a small residual core.

Objective 4 – Peeling trials

Peeling in S. Pacific

Peeling trials

Objective 4 – Determine the optimum processing parameters & protocols for peeling coconut stems & the properties of the recovered veneer.



Objective 5 – Products

Assemble and test products

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

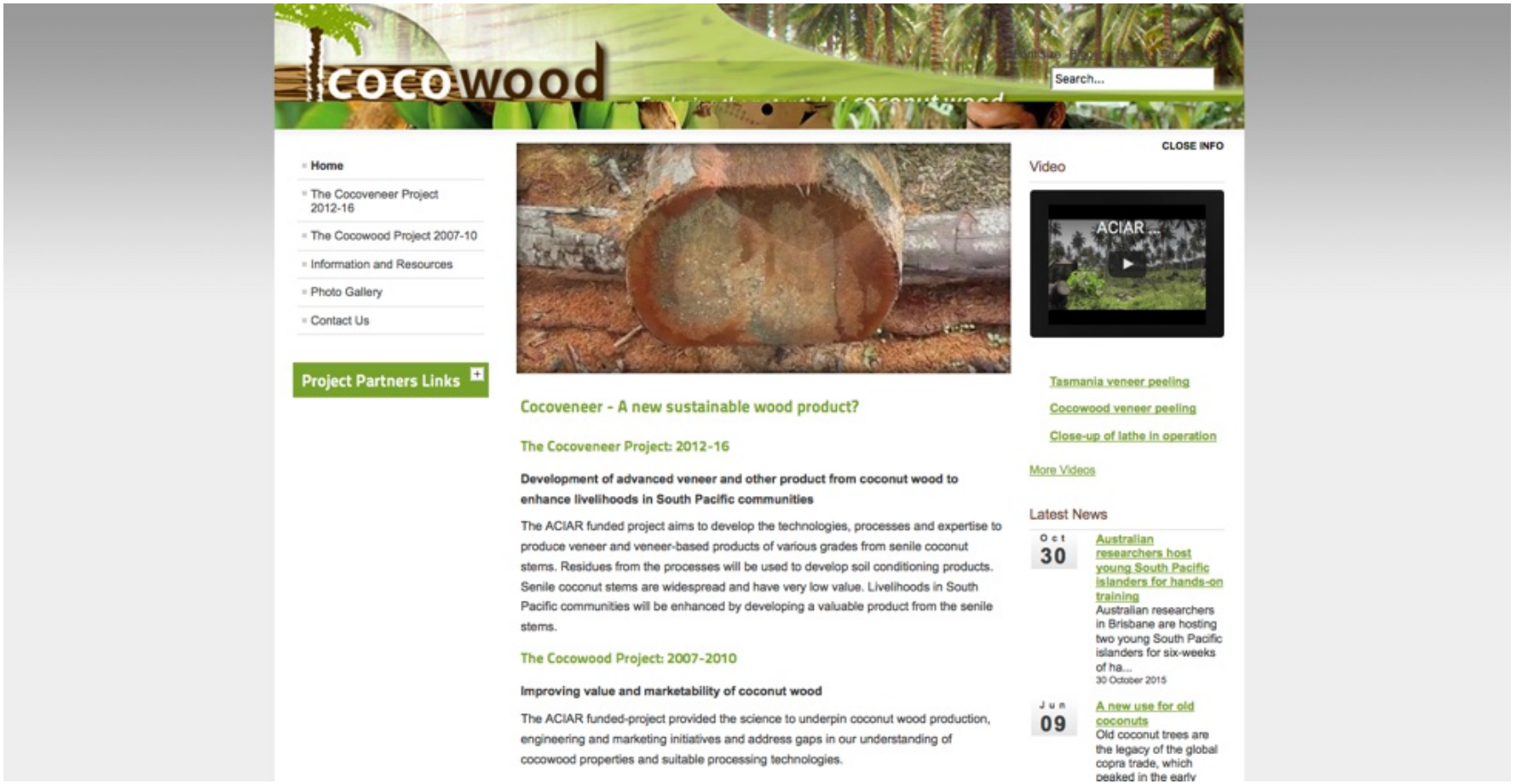
Objective 6 – By-product utilisation

By-product utilisation

Objective 6 - Determine the costs and benefits of using the residual cortex and soft, central cores for bio-char and other agricultural products

Objective 6 – By-product utilisation

Information: Cocowood.net

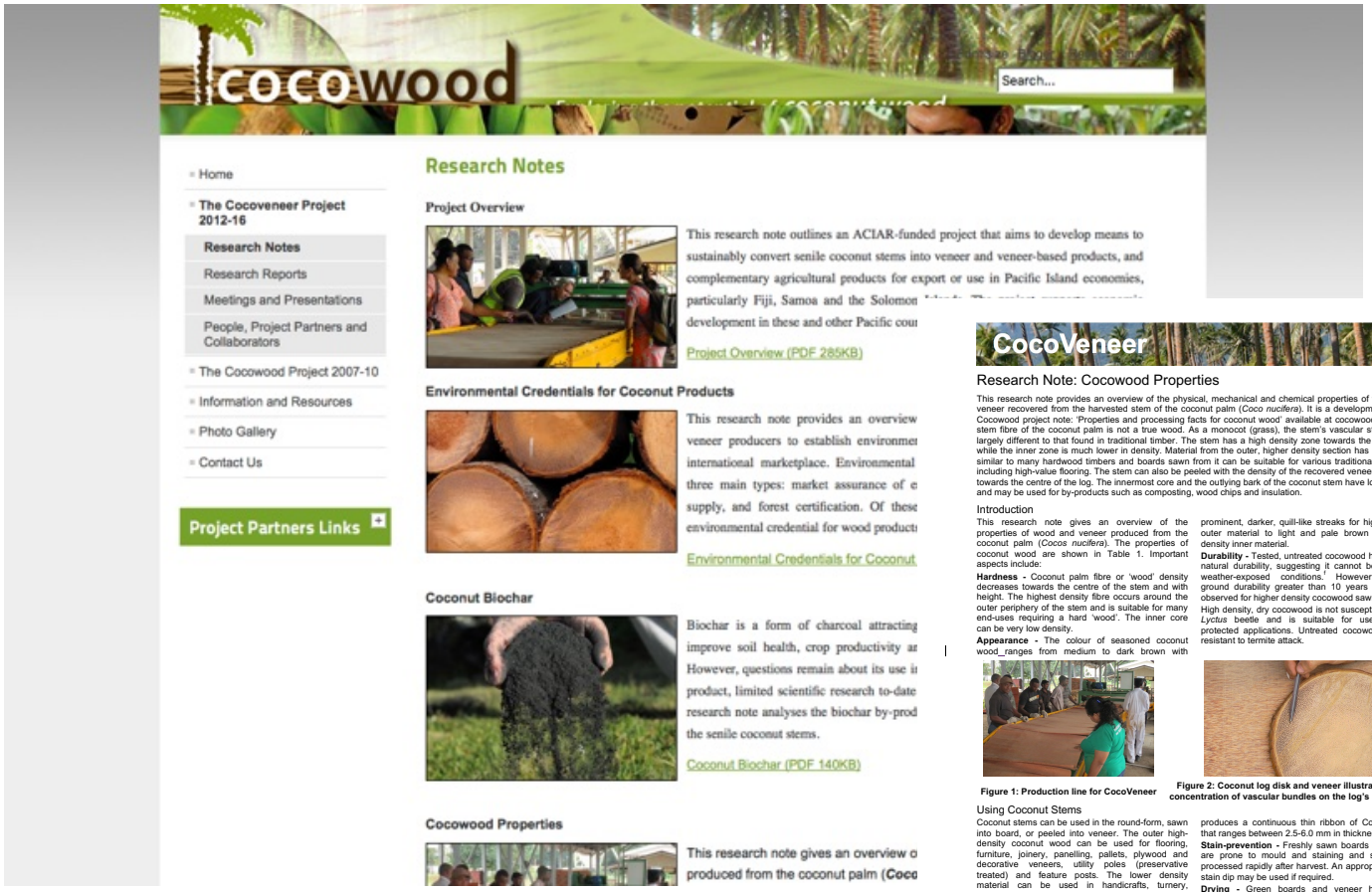


Information: Cocowood.net

Cocowood.net contains:

- Videos
- Project notes
- Research reports

and more …



Training program

Training is being provided through:

- Participation in university courses.
- Experience in Australian institutions
- Onsite training in equipment in Suva, Fiji.

Project summary

This is the last year of a four-year, collaborative project with six specific objectives:

1. Identify the most promising product options for the veneer from coconut stem.
2. Develop protocols and capacity for sustainable low-impact coconut wood harvesting, plantation rehabilitation, and log grading, handling and transport.
3. Establish experimental veneer-peeling capacity in the South Pacific.
4. Determine the optimum processing parameters and protocols for peeling coconut stems and the properties of the recovered veneer.
5. Assemble the product suite and establish its characteristics and in-service performance. Characterisation would be to local and export performance standards.
6. Determine the costs and benefits of using the residual cortex and soft, central cores for bio-char, growing mediums and other agricultural products

Questions

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