Objective 2

Develop protocols and capacity for sustainable low-impact coconut wood harvesting, plantation rehabilitation, and log grading, handling and transport.
Project objectives

1. Identify markets
2. Forestry: stem harvesting
3. Peeling in S. Pacific
4. Peeling trials
5. Assemble and test products
6. By-product utilisation
Objective 2 – Cocowood forestry practices

Identify markets → Forestry: stem harvesting → Peeling in S. Pacific → Peeling trials → Assemble and test products → By-product utilisation
Objective 2 - Develop protocols and capacity for sustainable low-impact coconut wood harvesting, plantation rehabilitation, and log grading, handling and transport

2.1 - Local resource assessment and harvesting

2.2 - Development and training in harvesting and handling protocols
Objective 2 – Cocowood forestry practices

2.1 - Local resource assessment and harvesting

• Representative resources identified in each partner country
• Stems harvested and transported for use in peeling trials
• Sustainable harvesting practices
2.1 Local Resource Assessment and Harvesting

- Material collected from a representative site for peeling trial 1
- Trial 2 material was sourced from Australia. Sourced material was not sufficiently dense.
- Material to be harvested and cored in Fiji for peeling trial 2
2.1 Local Resource Assessment and Harvesting

- Materials from Fiji sourced from Savusavu through Pacific Green
- One of the oldest coconut plantations in Fiji (yrs. range from 60 - >100yrs)
- First batch of 27 cocowood billets selected, processed and sent to Salisbury Timber Research Centre for veneer peeling tests
2.1 Local Resource Assessment and Harvesting

- Cocowood billets debarked and boring at Pacific Green Sigatoka
- Ready for salt dipping and freight to Australia
2.2 - Development and training in harvesting and handling protocols

• Protocols developed for low impact harvesting and transportation practices
• Training provided to ensure best practice is followed
Summary

- Material harvested for peeling trial 1
- Coconut stems sourced from within Australia were not suitable for trial 2 and so material was harvested and prepared in Fiji for trial 2
- Cocowood materials sourced and processed through Pacific Green Ltd. – (cannot control quality of material (high density), moisture content and boring size) – working within budget compared to conducting own field sampling
- 27 cocowood billets to be sent to Brisbane for peeling tests by end of August
### Key completion dates –

<table>
<thead>
<tr>
<th>Activity</th>
<th>Planned</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Local resources assessed and obtained for peeling trial 1</td>
<td>Sep 2012</td>
<td>March 2013</td>
</tr>
<tr>
<td>Local resources assessed and obtained for peeling trial 3</td>
<td>Nov 2013</td>
<td></td>
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<tr>
<td>Local resources assessed and obtained for peeling trial 4 &amp; 5</td>
<td>Nov 2014</td>
<td></td>
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<tr>
<td>Harvesting and handling protocols developed</td>
<td>May 2015</td>
<td></td>
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<tr>
<td>Training sessions</td>
<td>November 2015</td>
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### Objective 2 – Cocowood forestry practices

#### Key activities next 12 months –

<table>
<thead>
<tr>
<th>Activity</th>
<th>Anticipated completion</th>
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<tbody>
<tr>
<td>Obtain hollow stems for trial 2</td>
<td>September 2013</td>
</tr>
<tr>
<td>Obtain stems for trial 3</td>
<td>June 2014</td>
</tr>
<tr>
<td>Document procedures for harvesting</td>
<td>ongoing</td>
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</tbody>
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