



Welcome to the Workshop

Code of Practice for the Sustainable Management of the Forests and Tree Resources of Tonga

The Forests and Tree Resources of Tonga



**carbon
storage**



timber



**Non-
timber
forest
products**



aesthetics



**Coastal
protection**

agroforestry



biodiversity

Global threats to trees and forests















Yangtze River



Current situation

High
volume of
coconut



Low
volume of
high value
species



Low processing capacity
low value- adding



Tonga's forest and tree resources

1. Coconut woodland
2. Forestry plantation
3. Agroforestry plantings
4. Natural forests
5. Sandalwood
6. Firewood

1. Coconut



- Vast resource/ good quality timber
- The number of coconuts declined by 27% across Tonga from 1980 to 1996 (40% loss on Vava'u; 36% loss on Tongatapu; 10% loss on Ha'apai)
- Much is approaching senility
- Limited processing of timber
- Significant potential for sawmilling for domestic and export markets.

2. Forestry plantation



- 500 ha on 'Eua
- Excellent quality forest
- Low level of utilisation and management.



3. Agroforestry plantings

- Trees provide benefits for crops
- Tree quality is high but the volume is low
- Not realising maximum potential economic value.

Healthy crops under partial forest cover
(Tongatapu)





4. High value timbers



Mahogany

Red Cedar



- Red cedar rough sawn boards worth AUD 4,500/m³ in Australia



but much of the resource is currently being used for firewood or low quality purposes.



Kauri
Pine



Teak

Sandalwood

- Tonga has great potential to grow a high value resource
- More regulation is needed for sustainable harvesting.





Natural forests

- Inaccessible areas
important for the
conservation of biodiversity
and soils
- Secondary growth on
allotments potential
value for biodiversity and
sustainable production of
wood and other products.





- Loss of natural vegetation can occur rapidly through hurricanes



or gradually through the encroachment of allotments.



- Mangrove swamp forests are damaged by sand mining, roads and timber cutting.



Firewood

Firewood is plentiful
in some areas



but very scarce in
others



Forestry expertise

- Forest nurseries
- Tree planting
- Tree management



Options for the future

1. Increase the forest and timber resources of Tonga
2. Improve the value of the wood resource to the land owners
3. Protect reserves and sensitive areas.



4. Increase capacity to process timber for local use
5. Increase the options for producing higher value products from the timber resource.



A tropical beach scene with a sandy shore, green foliage, palm trees, and a blue ocean under a cloudy sky. The text "Thank you" is overlaid on the right side of the image.

Thank you