Ecosystem Based Management – Sustainable Land Management

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WWF South Pacific
September, 2013
- is an environmental management approach that recognizes the full array of interactions within and in-between ecosystems!
- recognizes that the way humans exploit their natural resources is dependent on their socio-economic status.

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Ecosystem Based Management and Community Based Natural Resource Management

Integration of Ecosystem Based Management (EBM) into Community Based Natural Resource Management (CBNRM) as conservation tools to:

- ensure food security,
- build community resilience,
- improve livelihoods

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National Land Use Policies and Plans

- Fiji is a signatory to United Nations Convention to Combat Land Degradation and Desertification (UNCCD)
  - Fiji National Action Program.
  - Sustainable Land Use Planning.
- Fiji endorsed its National Rural Land Use Policy June, 2005.
- Environment Management Act, 2005
- Fiji Land Use Decree 2010
- Land Conservation and Improvement Act 1953 (under review)
- Forestry Decree
- Peoples Charter for Change, Progress and Prosperity
  - Pillar 5 (Achieving Higher Economic Growth while ensuring Sustainability)
  - Pillar 6 (Making more land available for productive and social purposes)
Sustainable Land Management

- Establishment of Land-Care Network
- Sustainable Land Management (SLM)
- Sustainable Forestry Management (SFM)
- Animal husbandry
- Bee-farming
- Compost piggeries

- Semi-organic/organic farming
- Community Nursery Establishment and Management
- Inter-cropping and Agroforestry
- Reforestation Programme
- Forest Protected Areas
- Use of vertivar grass and contour farming on slopes to reduce soil erosion
- Reduce the use of chemicals and slash and burn
The Process for Community Based Land Care Network and Sustainable Land Use:

- Partnership with Department of Land Use & Planning
- Conduct Biophysical Survey
  - Determines Land Classification
  - Determines soil type
  - Forest Cover
  - Current land use
  - Land Use Capability

- This information will help communities make informed decisions on how to best make use of their land in a sustainable
Present Land Use Map-
Navukailagi and Vanuaso Tikina
Community Awareness and Training

- Community awareness on:
  - Soil structure and formation
  - Soil nutrients and fertility
  - Importance of soil and its role in the ecosystem
  - Soil Loss
  - And Soil conservation
  - Land Classification
  - Current Forest Cover
  - Current Land Use
  - Land Use Capability

Ecosystem Based Management
Root Cause Analysis – Unsustainable Land Use Practices

- Community identify current unsustainable land use practices
- Determine how these practices affect their surrounding ecosystem from the ridges to the reefs
- Identify actions to be taken to reduce such impacts on their natural resources and ecosystems
Community SLM Model Farms – Practical Activity

- SLM Model farms were established to demonstrate sustainable agricultural practices:
  - Contour farming
  - Use of vertivar grass
  - Inter-cropping to improve soil fertility and reduce pests
  - Composting
  - Rehabilitation of riparian zones
  - Crop rotation
  - Organic and green manure
  - Agro-forestry
Establishment of Community Nurseries for Rehabilitation of Deforested Areas:

- Community Awareness on Forest Ecosystems
- Nursery Management, Seed collection and raising
- Rehabilitation of riparian zones and deforested areas with native and fruit trees and commercial species
- Alternative livelihoods
- Sustainable Forestry Management
Follow-Up work after training

- In partnership with Department of Agriculture
  - Transfer of technology to individual farms
  - Finalization of action plans for the District Land Care network
  - Reforestation programmes
  - Implementation, monitoring and evaluation of action plans
Thank you

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