

Envisioning ecosystems in community adaptation

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Where are the ecosystems in community adaptation?

- In field programs
- In technical approaches to secure ecosystem services
- In policy & governance
- In educating resource managers, policymakers, national and international institutions
- In raising awareness globally





Policy: Environmental Flows for Adaptation

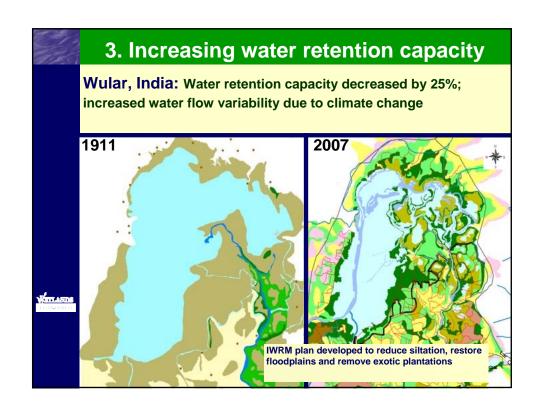
- E flows is a water allocation mechanism
- Example: Pangani Basin, Tanzania
 - − □ water scarcity
- · Flows assessment provides new knowledge:
 - environmental allocation to sustain ecosystem services
 - social and economic trade-offs
- · Water governance reform
 - adaptive institutions at local to basin level
 - <u>empowerment</u>: building allocation consensus and coordination
- Community priorities incorporated into water management and adaptation

INTERNATIONAL UNION FOR CONSERVATION OF NATURE



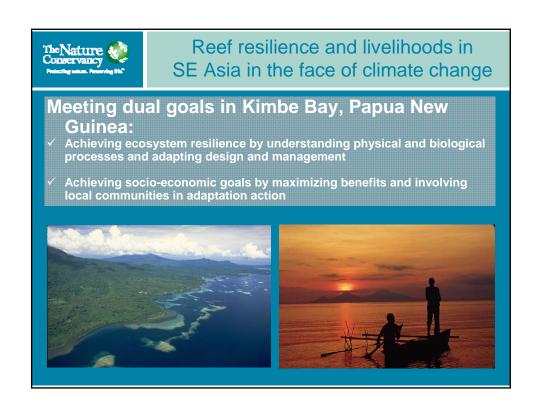


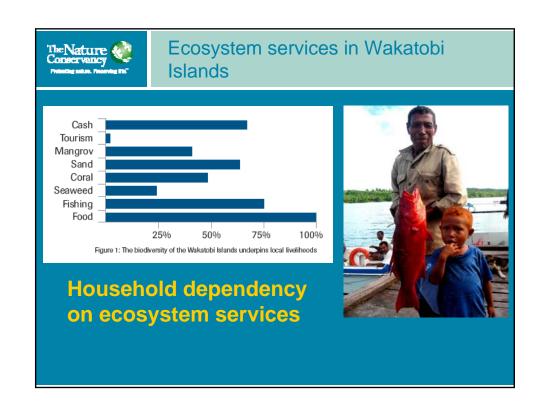












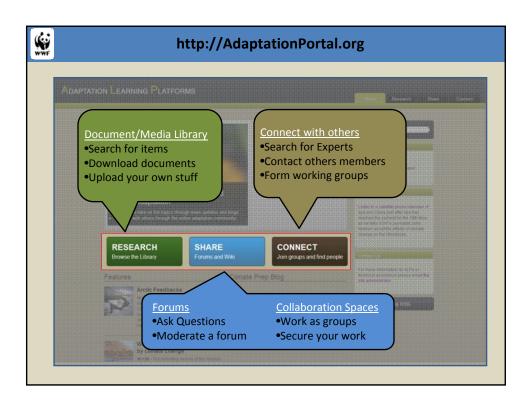


Adaptation responses involving climate modelling and community action

- 1. Engage communities, employ local knowledge and capacity to act.
- 2. Maintain healthy reefs through effective stewardship and management
- 2. Incorporate approaches into development and adaptation planning, and regulatory mechanisms

Western Tarobi Community Conserved
Marine Protected Area









The *vision* in *envisioning*

- Not a coincidence: water links ecosystems with livelihoods, cities, energy, and agriculture
- Holistic approaches: most ecosystems are linked to communities; ecosystems and communities are mutually necessary
- Sustainability requires integrated land and water management, communications, sound policy, and stakeholder engagement

COP15 ... and beyond

- Language matters. Existing adaptation language tends to treat ecosystems and water as "sectors" rather than "themes" with special challenges
- Process. NAPAs and vulnerability assessment language do not fully recognize the importance of adaptation as ongoing and focused on institutions and capacity building
- **Shared resources.** Stakeholders matter, even across borders.
- **How** do we go from practical action to global policy and the UNFCCC negotiations?
- What global institutions can facilitate effective adaptation across scales?



