

Capacity Building Workshop on NBSAP, Mainstreaming of
Biodiversity and Integration of Climate Change Nadi Fiji

2 – 6 Feb 2009

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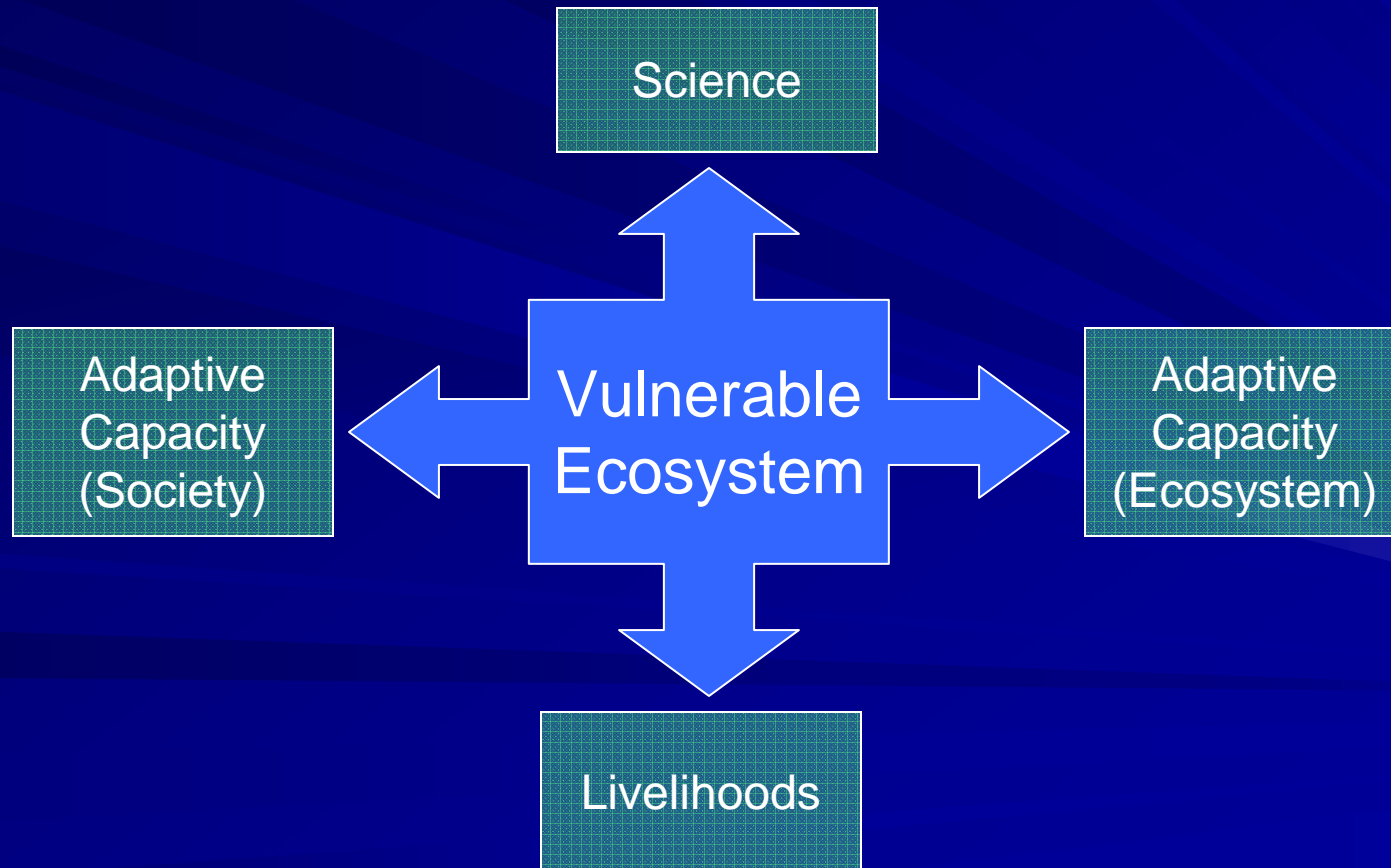
1. Definition of vulnerability
2. Practical Tools

Vulnerability

The degree to which a system is susceptible to, or unable to cope with, adverse effects of climate change, including climate variability and extremes (UNFCCC)



Identify Vulnerable areas and ecosystem types



Management Systems

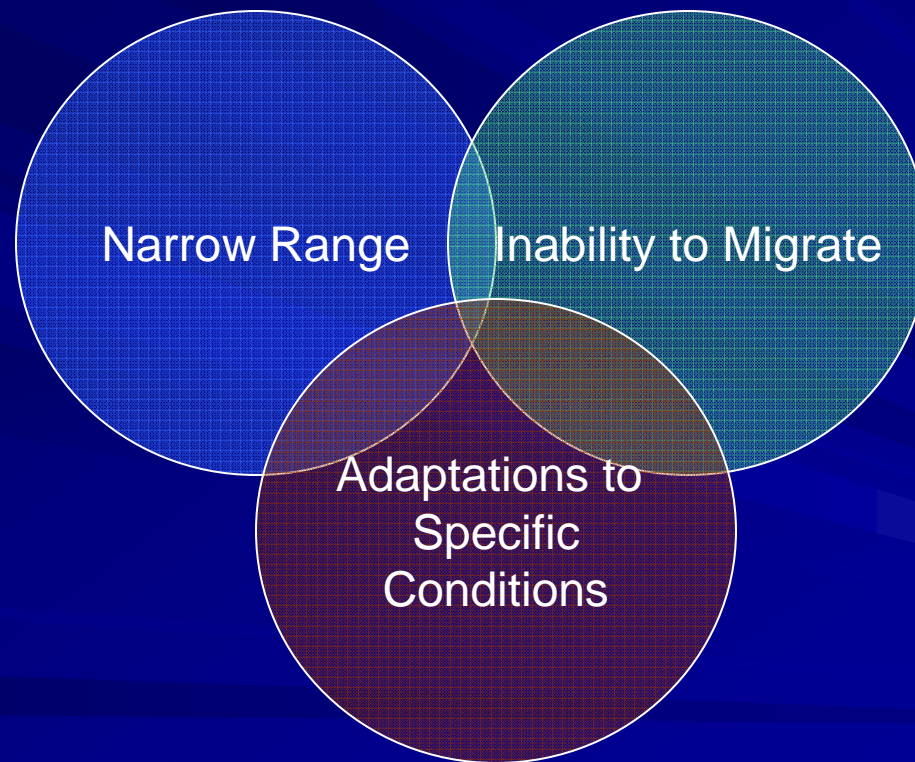
Reduced Vulnerability

- Conservation
- Sustainable Use
- Fair and Equitable Access
- Ecosystem Approach

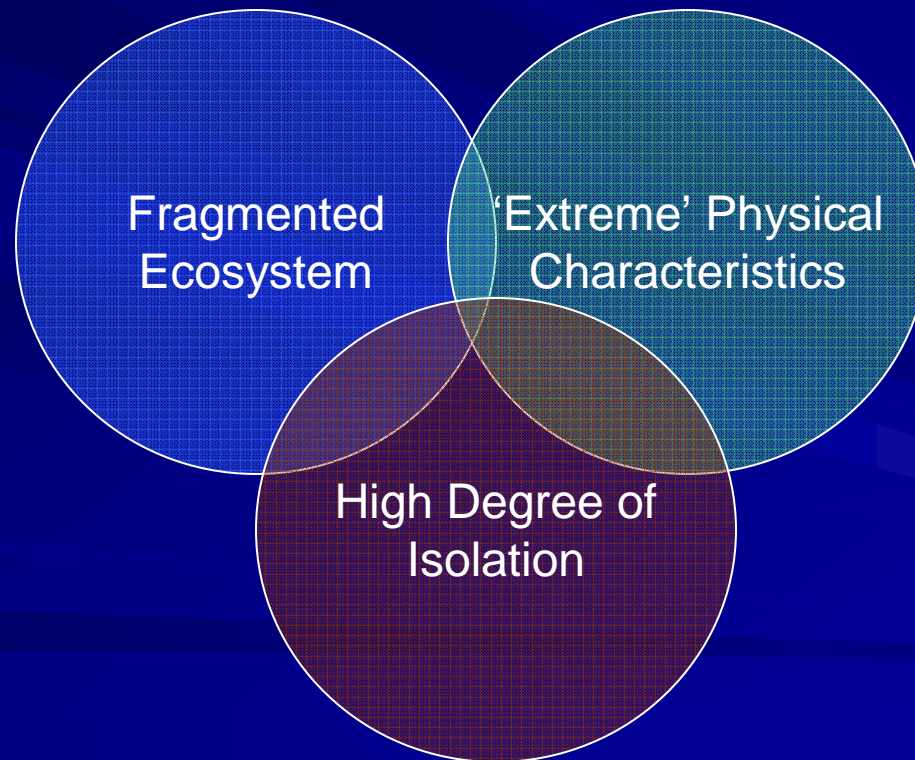
Increased Vulnerability

- Overuse
- Exclusion of Stakeholder Views
- Single Resource / Sector Management

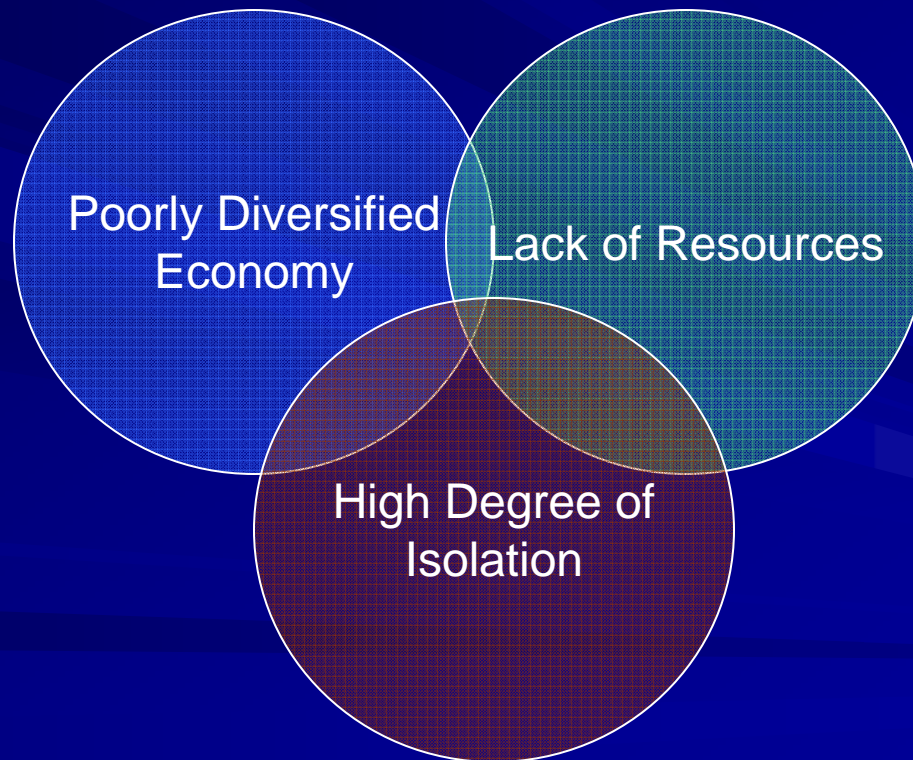
Adaptive Capacity of Species



Adaptive Capacity of Ecosystems



Adaptive Capacity of Society



Sources of uncertainty

- Models (climate and ecosystem) are not accurate on small scales
- There are too many variables involved in the complex interactions between biological and physical factors
- Baselines are often incomplete or out of date
- Monitoring can be expensive and complicated

Implementing Response Activities

Preventative Actions

- Monitoring
- Mitigation
- Maintain Resilience
- Alleviate Other Threats

Corrective Action

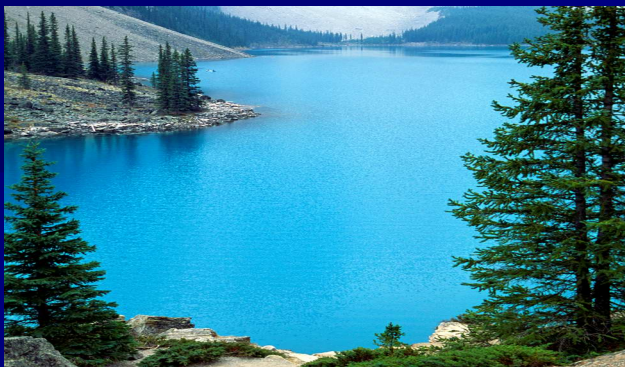
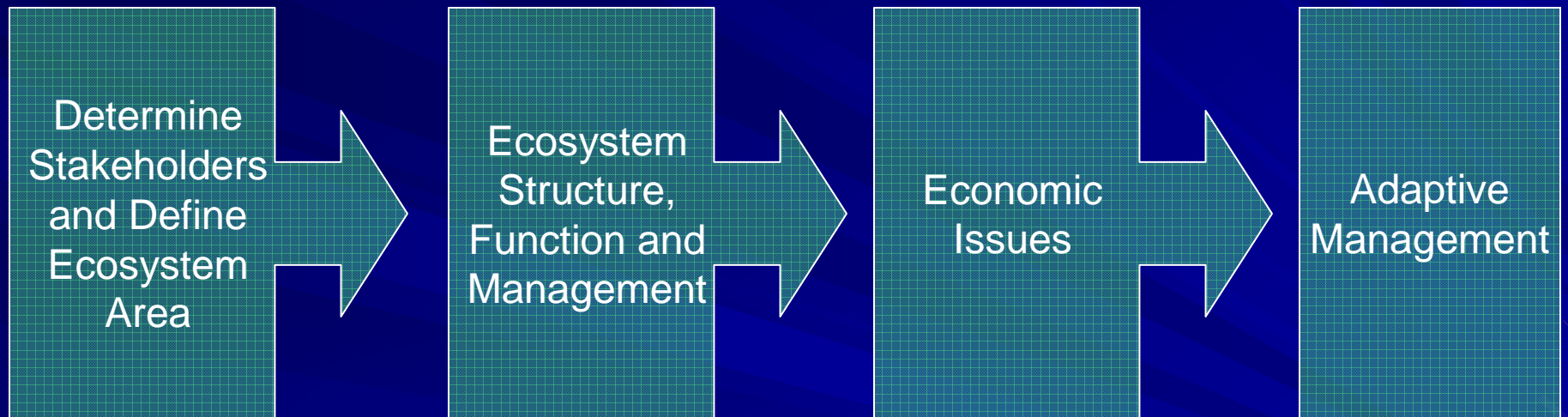
- *Ex Situ* Conservation
- Identification of Resilient Components
- Evaluate and Revise Protected Areas

Technology Transfer

- Share Best Practices
- Integrate Indigenous and Local Knowledge
- Capacity Building

Tools

The Ecosystem Approach



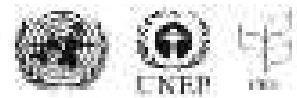
Tools

Secretariat
of the Convention on
Biological Diversity

CBD Technical Series No.

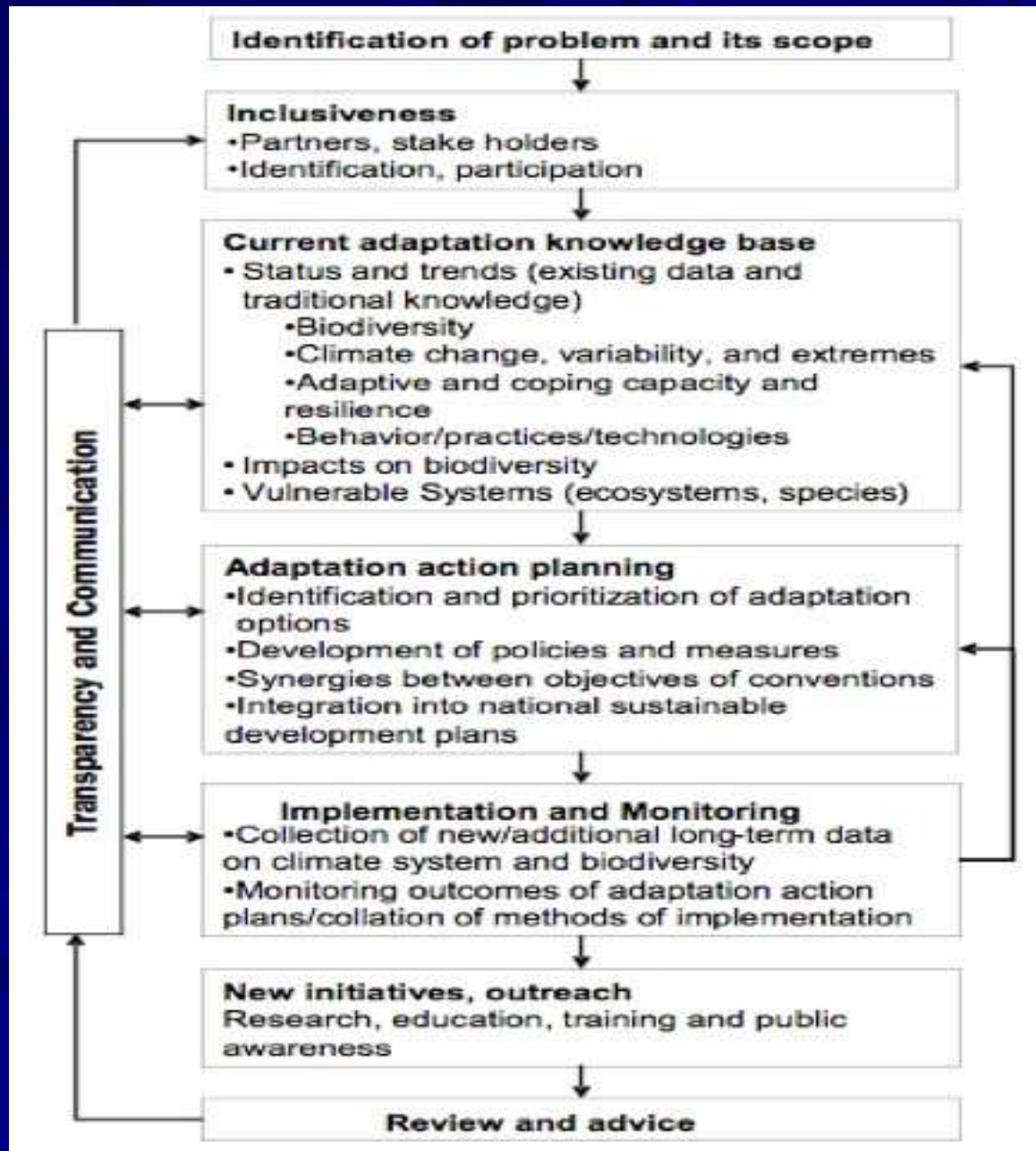


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GUIDANCE FOR PROMOTING SYNERGY
AMONG ACTIVITIES ADDRESSING BIOLOGICAL
DIVERSITY, DESERTIFICATION, LAND
DEGRADATION AND CLIMATE CHANGE



PROBLEM IDENTIFICATION

Tools



Other tools

Enhance Natural Adaptive Capacity

- Enhance resilience
- Alleviate other threats

Establish Legislation or Voluntary Guidelines

- Risk assessments
- Environmental impact assessments / strategic environmental impact assessments
- Comprehensive Hazard and Risk Management (CHARM), suggested to use in the Pacific