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Please note that this presentation was given during the United Nations Climate Change Conference (COP-15) in Copenhagen, December 7-18, 2009 for more information please visit <http://www.cop15.state.gov/> .



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# **Training Coastal Communities to Adapt to Climate Change**

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December 9, 2009

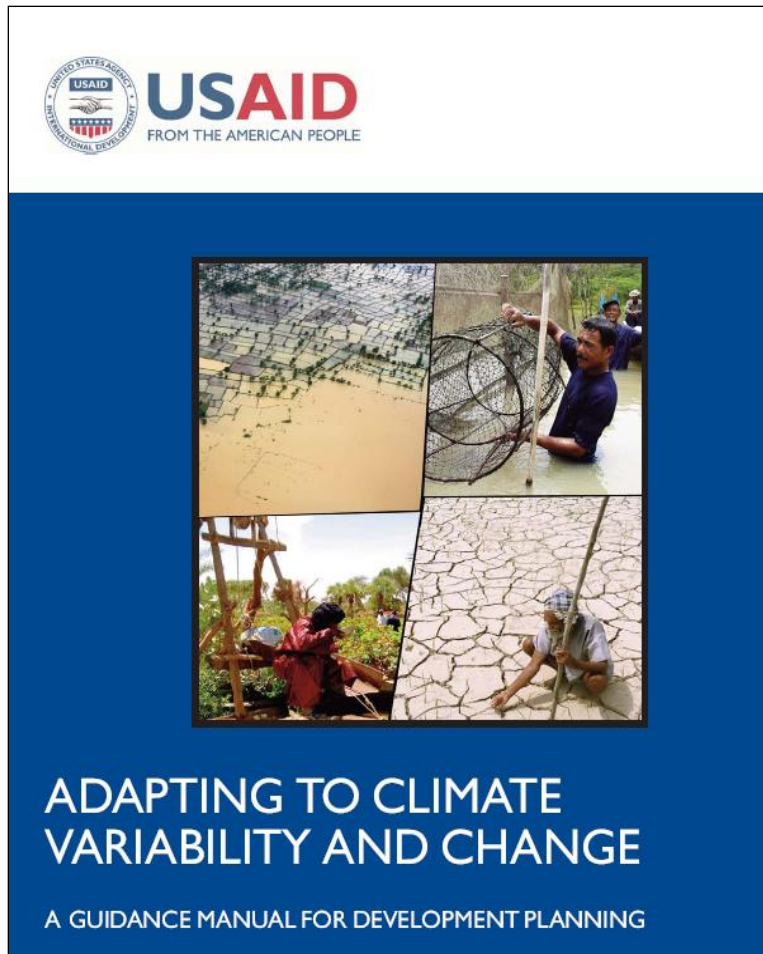


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# Adaptation to Climate Change

## Philosophy

- Understand vulnerability and Improve adaptive capacity
- Enter at project and sectoral level to mainstream adaptation actions and improve resilience through design
- Stakeholder involvement essential

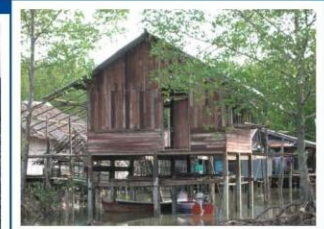




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# Coastal Adaptation Guidebook

- Tailored to coastal areas
- Follows similar planning and policy process
- Applicable to places, projects, sectors, policies, & plans
- Elaborates on specific measures and strategies
- Audience: coastal management practitioners, professionals & development planners



**ADAPTING TO COASTAL  
CLIMATE CHANGE**  
A GUIDEBOOK FOR DEVELOPMENT  
PLANNERS

**APRIL 2009**

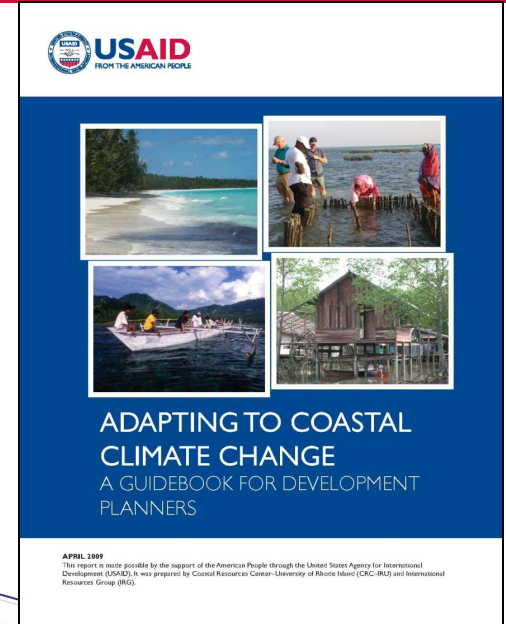
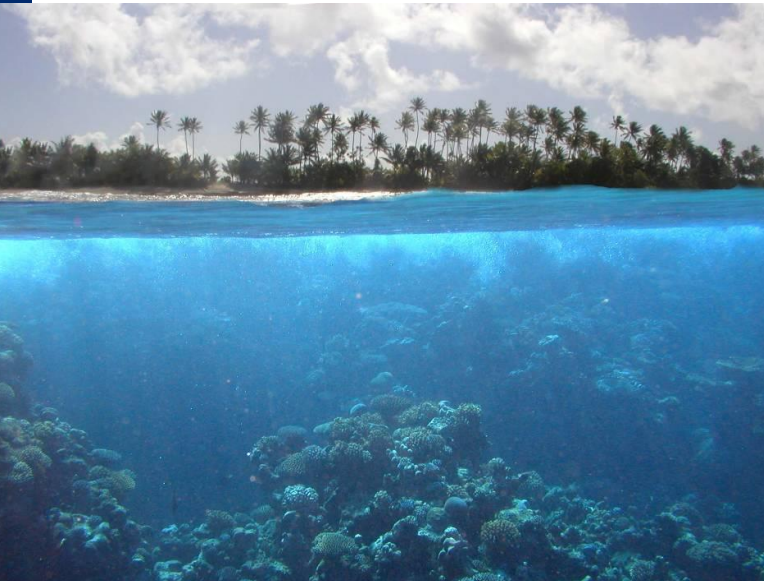
This report is made possible by the support of the American People through the United States Agency for International Development (USAID). It was prepared by Coastal Resources Center—University of Rhode Island (CRC-IRU) and International Resources Group (IRG).



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# Climate Lens on Coastal Management

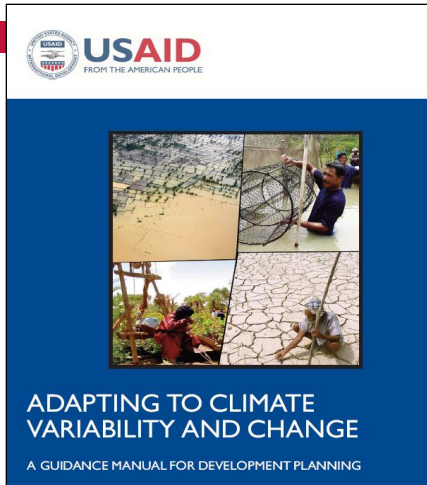
...using existing approaches and tools to look at coastal issues through a slightly new lens





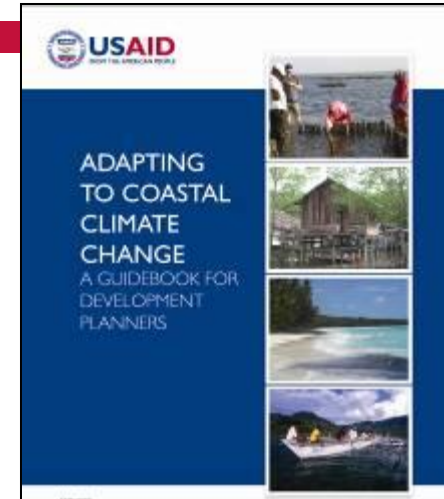
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# USAID Guidebooks



## *Climate Change Adaptation Manual 2007*

- Covers broad range of impacts, landscapes, and economic settings
- Focus on program and project design
- Audience: program & project designers



## *Coastal Adaptation Guidebook 2009*

- Tailored to coastal areas
- Applicable to places, projects, programs, policies, & plans
- Elaborates on specific measures and strategies
- Audience: practitioners & designers



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# Principles of Best Practice

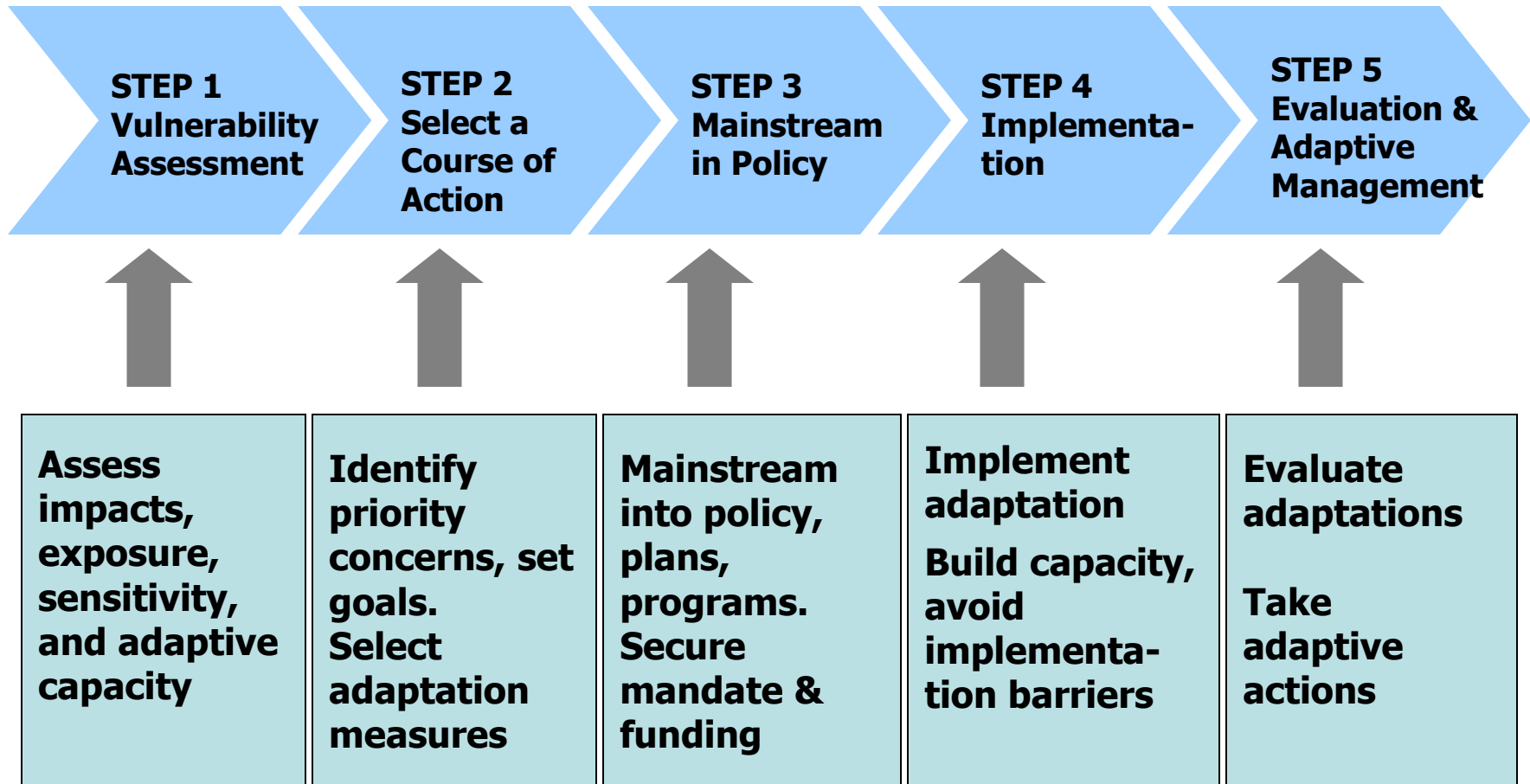
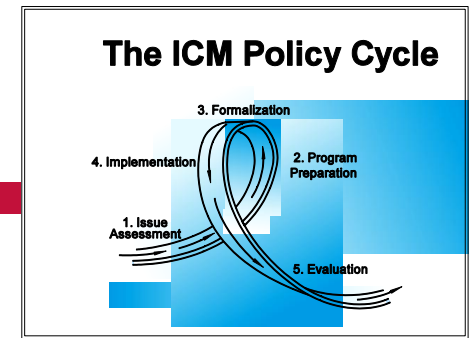
- Adaptation should be an inclusive, participatory, and on-going process
- Use best available knowledge
- Strategically define priorities, goals, and objectives
- Tailor coastal adaptation to local conditions
- Build reinforcing linkages among adaptation entry points





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# Road Map







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# 17 Adaptation Measures and Strategies

## • Adaptation Goals

- Less exposed built environment
- Enhanced human health and safety
- Functioning and healthy coastal ecosystems
- Improved planning and governance
- Diversified livelihoods

## *Climate Change Lens*

- Relevance to climate
- Purpose & application
- Information and data requirements
- Design considerations
- Improving likelihood of success
- Sources for more information





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## *Adaptation Measures*

# Less Exposed Built Environment

- ❖ Beach and dune nourishment
- ❖ Building standards
- ❖ Coastal development setbacks
- ❖ Living shorelines
- ❖ Structural shoreline stabilization





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## *Adaptation Measures*

# Functioning & Healthy Ecosystems

- ❖ Coastal wetland protection and restoration
- ❖ Marine conservation agreements
- ❖ Payment for environmental services
- ❖ Marine protected areas





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## *Adaptation Measures*

# Improved Planning & Governance

- ❖ Integrated coastal management
- ❖ Coastal watershed management
- ❖ Special area management planning



**Reimaanlok**  
Looking to the Future

National Conservation Area Plan for the  
**Marshall Islands**

May 2008



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## *Adaptation Measures*

### **Diversified Livelihoods**

- ❖ **Fisheries sector good practices**
- ❖ **Mariculture best management practices**
- ❖ **Tourism best management practices**





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# Implementation Strategies

- Use 'no-regrets' actions that have complementary benefits
- Take long-term, place-based approach
- Employ medley of measures geared to context and outcomes
- Access local & traditional knowledge
- Encourage transition from short-term to long-term political choices, design, funding
- Act now, but *be adaptive!*





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# Accomplishments in Marshall Islands

- ✓ National workshop 2-day
- ✓ Climate lens for Reimaanlok process
- ✓ Application in field in Namdrik
- ✓ Hands on practitioner workshop to develop and test community-based tools
- ✓ Freshwater V&A Case Study
- *Over next 6 months:*
  - *Erosion assessment and options*
  - *Practitioner cookbook linking Reimaanlok + climate lens*



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## Thank You

For Further Information

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