



Mangroves for the Future  
INVESTING IN COASTAL ECOSYSTEMS

*“Ecosystem-based Integrated Coastal Resource Management through Multi-stakeholder Participation in Southern Thailand”*



# Project Overview



- Addresses:
  - coastal resource depletion;
  - threats from disasters;
  - other climate change impacts.
- Through:
  - ecosystem-based integrated coastal resource management;
  - multi-stakeholder participation;
  - knowledge management;
  - capacity building.



# Project Overview



- Small-scale fisher-folk communities:
  - traditional livelihoods;
  - linked to natural resources and marine ecosystems;
  - Tha Salah Bay, Nakorn Sri Thammarat Province, Gulf of Thailand Coastline;
  - Trang Bay, Trang Province, Andaman Sea Coastline.
- Project commenced September 2009 and runs until August 2011.





# Climate Change: Predicting the Impacts



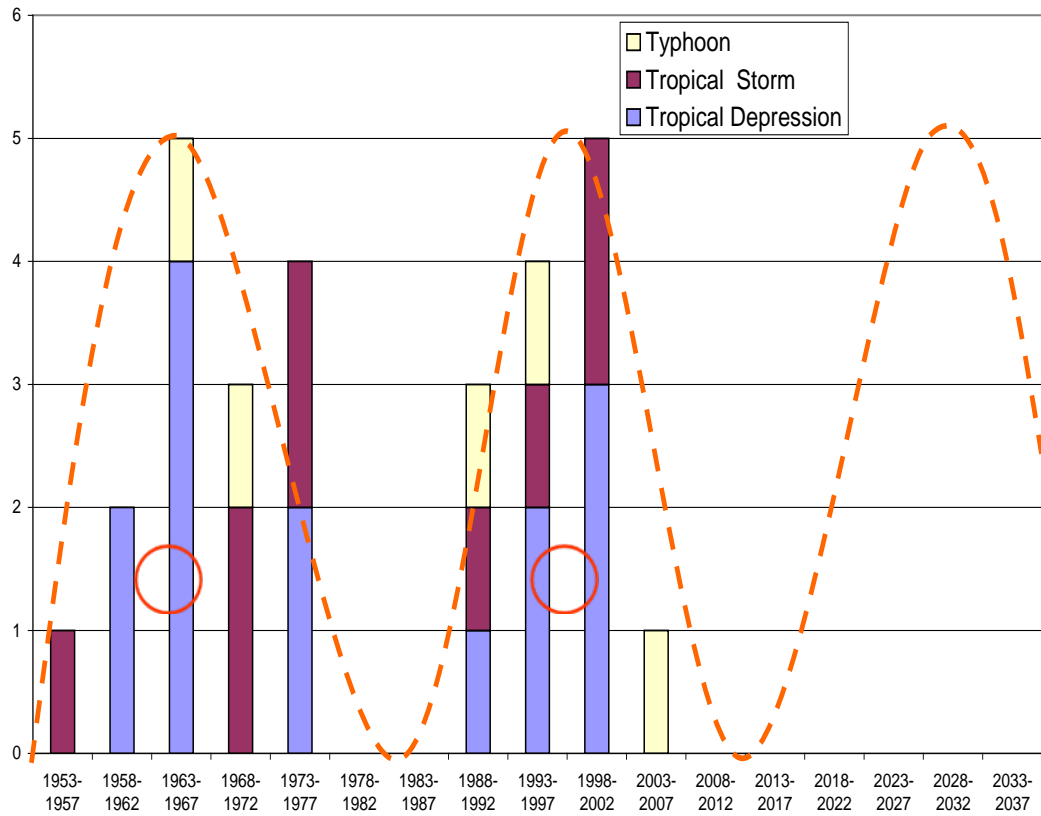
- Understanding climate trends and acknowledging climate variability.
- The limitations of technical knowledge and computer modeling.
- The value of local and traditional knowledge.
- It's not only climate that changes with time.
- Accepting uncertainty.



# *In Practice ...*



- Collaboration with Prince of Songkhla University and SEA START RC.
- Bilateral and multi-stakeholder consultations at central and local levels.
- Modeling marine and fishery resources.
- Southern Thailand's natural 30-year climate cycle.
- Urbanization, industrialization, tourism, aquaculture, capture fishery.
- Socio-economics, quality of life, monetary income, ways-of-life, livelihoods.



# Climate Change: Aspects of Adaptation



- Autonomous, planned, strategic and mal-adaptation.
- Capacity, limitations, opportunities and threats.
- Taking a broader view of adaptation.
- The ongoing nature of adaptation.
- Adapting to now.
- Preparing for uncertainty.



# *In Practice ...*



- Autonomous responses to natural hazards, structural mal-adaptation.
- Awareness, knowledge and understanding, time, land entitlement, local development projects.
- Study on impact of biodiversity conservation measures and MPAs.
- Initiatives on natural resource and ecosystem conservation and rehabilitation, housing and settlement, livelihoods and occupations, capacity building and role development, processes and mechanisms for coordination and collaboration.
- Southern Seaboard Development Plan, tourism, aquaculture, unsustainable and illegal fishing practices.



# The Six Pillars Approach

- Ecosystem based.
- Rights based.
- Community based.
- Gender sensitive.
- Hazard aware.
- Climate smart.



# *In Practice ...*



- Zoning, access and regulations, conservation and rehabilitation, critical habitats and champion species.
- Southern Fisher-folk Assembly, ASEAN People's Forum, FAO-COFI, CBD-COP10.
- Participatory community research, community coastal resource management zones, community study trips, specific processes and mechanisms to promote and support the participation of women.
- Coastal erosion, coastal flooding, GNDR-VFL11.
- Low carbon sustainable community economies, Climate Change Master Plan, Thai Climate Justice Working Group.



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# Bringing It All Together and Making It Last



- **Holistic:**
  - context, issues and interventions;
  - stakeholders and actors;
  - approaches and methodologies.
- **Integrated:**
  - vertical integration;
  - horizontal integration.
- **Sustainable.**

# Mechanisms for Coordination and Oversight



- Local level coordination.
- Provincial level integration.
- National level oversight.



# NCB Members



- Government agencies:
  - ONEP, NESDB, Bureau of Policy and Planning under Mol, DMCR, DoNP.
- Academic and research institutions:
  - SEA START RC, Prince of Songkhla University, Kasetsart University, TEI, GSEI.
- International and regional NGOs:
  - IUCN, WFF, Wetlands International, RECOFTC.
- National and local NGOs:
  - SDF, Raksthai Foundation (CARE International Member), Yadfon Association.
- Intergovernmental organizations:
  - UNDP, UNEP, FAO.

# Thailand's National Strategy and Action Plan



- As a guiding principle, the NSAP has a focus on sustainable livelihoods that respect the integrity of the natural environment, reduce vulnerability and increase community resilience.
- Targeted research on climate change as part of 'Improve the Knowledge Base for Coastal Planning Policy and Management'.
- Regular capacity building on climate change adaptation through regional and national training courses.

*For Further  
Information ...*



**Jonathan Shott**

Project Manager and  
Disaster Management Consultant  
Sustainable Development Foundation  
[jonathan.shott@talk21.com](mailto:jonathan.shott@talk21.com)  
+66 (0) 89 523 7520