

Action Plan for Technical Cooperation on Coral Reefs and Coastal Habitats

Task Force I

Action Plan for Task Force 1 on Coral Reefs and Coastal Habitats

Introduction

After Tsunami attack in December 2004, rapid assessments of coastal resources were carried out in the affected six provinces along the Andaman coast. Assessments of seagrass, mangroves, endangered species and coral reefs have been completed. Survey of seagrass by spot check technique reported insignificant level of damage, 1.5% of total loss and 5% of total damage in the overall picture. Ground survey was conducted by 32 mangrove stations to rapidly assess the damage of mangroves in Tsunami affected areas. 1.6% (305.6 ha) of the total mangrove areas were badly damaged.

For coral reefs, out of 324 sites along the affected coastal provinces and adjacent islands, rapid assessment was conducted in 174 sites with the support of eight national institutions and volunteer divers. The damages observed include coral breaking and toppling, sliding of reef slopes, sedimentation and large debris from land smashing onto the reefs. On-going activity is the underwater clean-up which is expected to be finished by end of April (before monsoon).

For medium and long-term plans, DMCR needs detailed assessment of coastal habitats, action plans to rehabilitate/improve coastal resources, and marine park management focusing on land-use control and sustainable tourism development, technical and scientific assistance for data management and monitoring, and capacity building where needs also include equipment and mapping capacity.

Cooperation Components

International organizations have raised their concern in assisting DMCR in the following areas:

1. Assessment, rehabilitation and management of coral reefs and coastal habitats
2. Marine National Park recovery and management
3. Capacity building, strengthening capacity of national agencies, /institutions and local communities
4. Strategic management of coastal zone and legal framework

Activities

1. Assessment, rehabilitation and management of coastal habitats

Activities	Agencies/Inputs	Outputs/Sites Specific	Time	Remarks
Coral Reefs and coastal habitats assessment, rehabilitation and management	AusAID, France, Sweden, UNDP	DMCR/PMBC as regional node of the Andaman Sea	Medium & Long term	
	GTZ,	Phi Phi island	2005-2006	
	IUCN, Swiss	Koh Ra, Phra Thong, Kokao	2005-2006	
Clean up operation	UNDP, Volunteers, China, France	Andaman Coast	By end of April 05	- UNDP provided equipments for clean-up operation ~ 15 M Baht - 18 Volunteeers from China (~ 10 days)
High-resolution satellite imagery rapid assessment of coral reefs and mangroves	Coral Cay Conservation	GIS database	Medium term	
Fisheries, aquaculture	FAO, WB, AusAID USAID	Fishing gear replacement, sustainable aquaculture	Immediate 2005-2006	
GIS/RS, Resources database	AusAID, France, Sweden	Database for management	Long term	
Long term monitoring of environment in both Gulf of Thailand and Andaman sea, and international waters	WB, GEF	Ecosystem management of Thai and regional waters	Long term	BOBPLME proposal to be submitted to GEF and WB

2. National Marine Park Management

Activities	Agencies/Inputs	Outputs/Sites Specific	Time	Remarks
National Marine Park recovery and management - Habitat restoration, reconstruction of infrastructure - Ecotourism/Environmental friendly activities	France GTZ JICA	Sustainable use and improvement in MNP management Surin NP, Similan NP, Biosphere Reserve, KU marine research station Phi Phi island	Medium and Long term	
Sustainable community reconstruction	USAID	Suk-Samran Sub-district	Medium and Long term	

2. Capacity building, technical and scientific support

Activities	Agencies/Inputs	Outputs/Sites Specific	Time	Remarks
Capacity building concerning NP management	DANIDA, France, GTZ, IUCN, JICA, USAID		Long term	
	France	KU marine research station	Long term	
Scientific Institutional partnership	GTZ (Bremen, Kiel)	PMBC Aquarium	Long term	
Capacity building, technology transfer, training and education	AusAID, France, Sweden, German, Swiss, FAO, IUCN,	DMCR, DNP, DOF, Universities, communities	Long term	

3. Coastal zone management and Legal framework

Activities	Agencies/Inputs	Outputs/Sites Specific	Time	Remarks
Strategic planning of CZM	AusAID, France, SIDA, UNDP, GZ, IUCN, UNEP	Guidelines for CZM	6 months	
Legal framework	ADB, IUCN	Draft justifications of proposed amendments and proposed legislation	Mar- Dec 05	\$ 175,000