

Name:	40. ECOSYSTEM-BASED ADAPTATION IN MARINE, TERRESTRIAL AND COASTAL REGIONS AS A MEANS OF IMPROVING LIVELIHOODS AND CONSERVING BIODIVERSITY IN THE FACE OF CLIMATE CHANGE		
Region	Asia, Latin America and Africa	Country	Brazil, Philippines, South Africa
Ecosystem	Marine and coastal; forest and woodland; agriculture; inland water		
Nature of approach	Assessment of vulnerability; Improvement in capacity, design and policy measures (identifying and/or developing adaptation approaches); Implementation of EBA measures (pilot schemes)		
Description of approach	<p>Objective/Expected outcomes</p> <p>Increase the awareness, resilience and adaptive capacity of vulnerable target groups to climate change.</p> <p>Actions</p> <p>Project activities include the assessment of vulnerability (including climate modeling, identification of communities and sectors most affected, impact analysis on agriculture and fishing) and the development of ecosystem based adaptation (EbA) solutions in three very diverse settings. Pilot schemes in each of the countries provide examples of how adaptation measures based on completely different ecosystems can be designed, implemented and evaluated with the local population. In this way the pilot activities in the three countries cover maritime and coastal zones, coral reefs, semi-deserts and tropical forests.</p> <p>In each country the habitats most vulnerable to climate change are identified in collaboration with the affected population. Subsequently, two ecosystem-based adaptation measures for each country are selected, implemented and reviewed. The relevant national stakeholders receive training and individual guidance and visit the projects. In this way they can expand their knowledge and capacity in the field of ecosystem-based adaptation.</p> <p>Results achieved</p> <p>The vulnerability assessment produces profiles for the vulnerability to climate impacts and biome stability, socio-economic vulnerability and vulnerability to natural disasters. Pilot activities in the Philippines concentrate on mangrove restoration and sustainable fisheries management, in South Africa on integrating knowledge on ecosystem-based initiatives into policy measures and on wetland terrestrial restoration. The assessment in Brazil is in progress. Specific adaptation measures will be developed based on the research findings. So far project sites for pilot activities in South Africa have been selected on the basis of these profiles.</p> <p>Lessons learned</p> <p>The process of assessing experiences from the pilot activities and analysing their cost-effectiveness compared with other adaptation measures is an especially important part of the project. These results are fed into national and international discussions. On one hand, these models can be used to plan and implement further ecosystem-based adaptation measures around the world. On the other hand, practical experiences of this kind help to develop and disseminate the concept of ecosystem-based adaptation.</p>		
Type of organisation	NGO	Name of organisation:	Federal Environment Ministry of Germany, Conservation

			International Foundation
Further information and contact details	http://www.bmu-klimaschutzinitiative.de/en/projects?p=1&d=696 http://www.conservation.org/		