



artwork by Monica Gutierrez-Quarfo

One-quarter land, three-quarters ocean...

In between, a zone rich with life where land and sea change places twice a day on the moon-driven tide. Ringing the planet's warmest seas and shading their salty estuaries, mangroves are the world's tidal forests. Their roots in the ocean and tops in the trade winds offer an irreplaceable sanctuary for onshore and offshore species.

But mangrove forests world-wide are under great pressure from shrimp aquaculture, large-scale coastal development projects, agriculture expansion such as oil palm, tourist developments, fresh water diversion, charcoal production and more. Once mangroves sheltered three-quarters of the tropical and subtropical shore. Today, only half remain.

What are *WE* losing? And how can *WE* save them? To address the issues of mangrove destruction, MAP is implementing a pro-active five-pronged approach to long-term mangrove preservation:

- Education * Advocacy * Collaboration
- Conservation & Rehabilitation
- Sustainable Community-Based Development



Since 1992, MAP has sought to reverse the degradation of the world's mangrove forests while promoting the rights of local fishers and farmers to sustainably manage their environs.

Join Our Global Network

Help save the world's tidal forests! Your membership will help support MAP-works in Asia, Africa, Latin America and the Caribbean, as well as bring you the bi-weekly electronic newsletter "MAP News," with action alerts and updates from around the globe.

for more information
or to become a member
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propagule from *Bruguiera gymnorhiza*
(Large-Leafed Orange Mangrove)



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MANGROVE ACTION PROJECT



AT THE ROOTS OF THE SEA...

"If there are no mangroves, then the sea will have no meaning. It is like having a tree without roots, for the mangroves are the roots of the sea...."

- Words of a Thai Fisher
from the Andaman Coast

In The Hands of the Fishers (IHOF)

In the Hands of the Fishers (IHOF) workshops bring together fisher folk and Non-Governmental Organizations (NGOs) from developing nations to share information and experiences, learn new skills, and coordinate strategies for sustainable development.

Learning to make palm sugar on an improved cookstove using the sap collected from Nypah Palm, a type of mangrove plant found growing along



Environmental Education

MAP's "Marvelous Mangroves" and "Do Your Own Mangrove Action Project" curricula provide students and coastal communities with the knowledge and skills to take action to protect mangroves and manage their coastal resources. MAP holds teacher trainings in order to integrate mangrove education into curricula at various levels.



School-children from over 15 countries have created and submitted drawings for MAP's annual calendar art contests.

Bird watching during a mangrove ecology field trip.

MANGROVE ACTION PROJECT PROGRAM HIGHLIGHTS

Coastal Community Resource Centers (CCRC)



To improve long-term management, MAP is establishing Coastal Community Resource Centers. Co-managed by communities and NGOs, they encourage sustainable and environmentally sound development through demonstrations and trainings.

5th and 6th graders heading to the mangrove on a field trip in North Sulawesi. There are currently 7 CCRC's worldwide.

Networking

MAP coordinates a growing activist network. Over 450 NGOs and more than 250 scientists, academics, and individuals from 60 nations now share information and strategies. One means of sharing information is via the "MAP News," an electronic newsletter with a readership of over 5000 people worldwide.



The Bay of Bengal coalition was formed at the 9th IHOF workshop in Chilaw, Sri Lanka. Here coalition members are taking notes during a mangrove ecology field trip.

Mangrove Restoration



MAP supports small-scale mangrove restoration projects in Asia, Africa and Latin America and promotes hydrological rehabilitation of mangroves.



School-children transporting seedlings from their nursery to the planting site

Breaching dike walls of shrimp ponds at a hydrological rehab workshop

MAP's Toolkit Program

MAP supports innovations in appropriate technologies and sustainable livelihood alternatives that help coastal communities supplement their incomes in times when fish catches are decreasing.



Bamboo furniture making workshop at the CCRC, North Sulawesi.

This fish smokehouse was built as part of an IHOF workshop to conserve mangrove fuel-wood in Cameroon.

