Mangrove Protection Strategies

Living Lakes Conference

Protection of Diverse Mangrove Forests & Promoting Energy Saving Lamps in Sri Lanka

14-16 June 2010

Ambalangoda, Sri Lanka

Jim Enright, Asia Coordinator, **Mangrove Action Project**

MANGROVE ACTION PROJECT

Mission Statement :

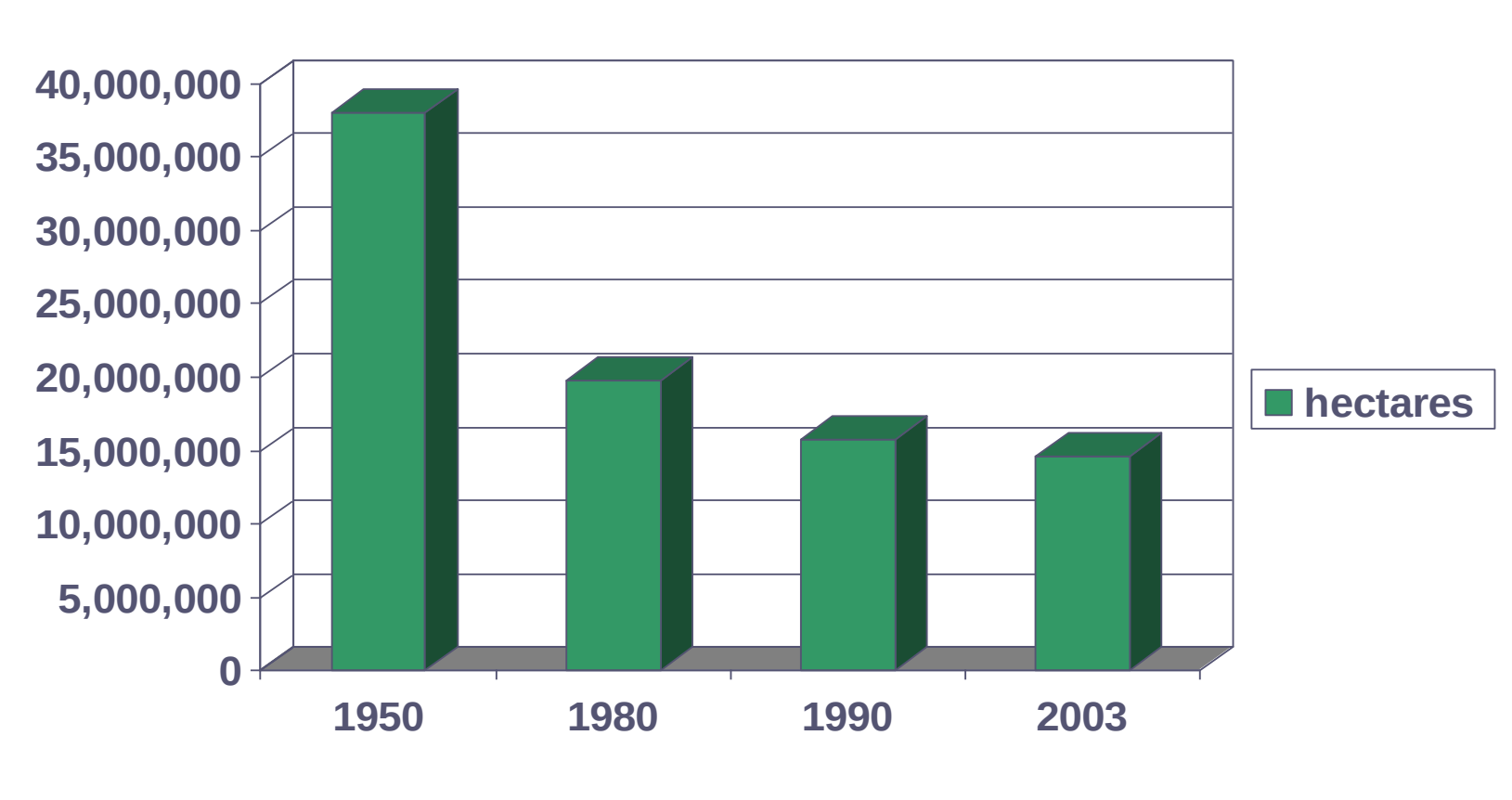
...Partnering with mangrove forest communities and grassroots NGOs in the South to conserve mangrove forests and promote the sustainable management of coastal resources…

artwork by Monica Gutierrez

MAP is implementing a pro-active five-pronged approach to long-term conservation

Mangrove Loss > 1% /year (FAO)

Area of Mangroves Worldwide



CURRENT RATE OF LOSS = 150,000 HA/YR

MANGROVE PROTECTION >First Priority

Thung Ta Sae Village, Trang, Thailand

Benefits of Mangroves

Goods:

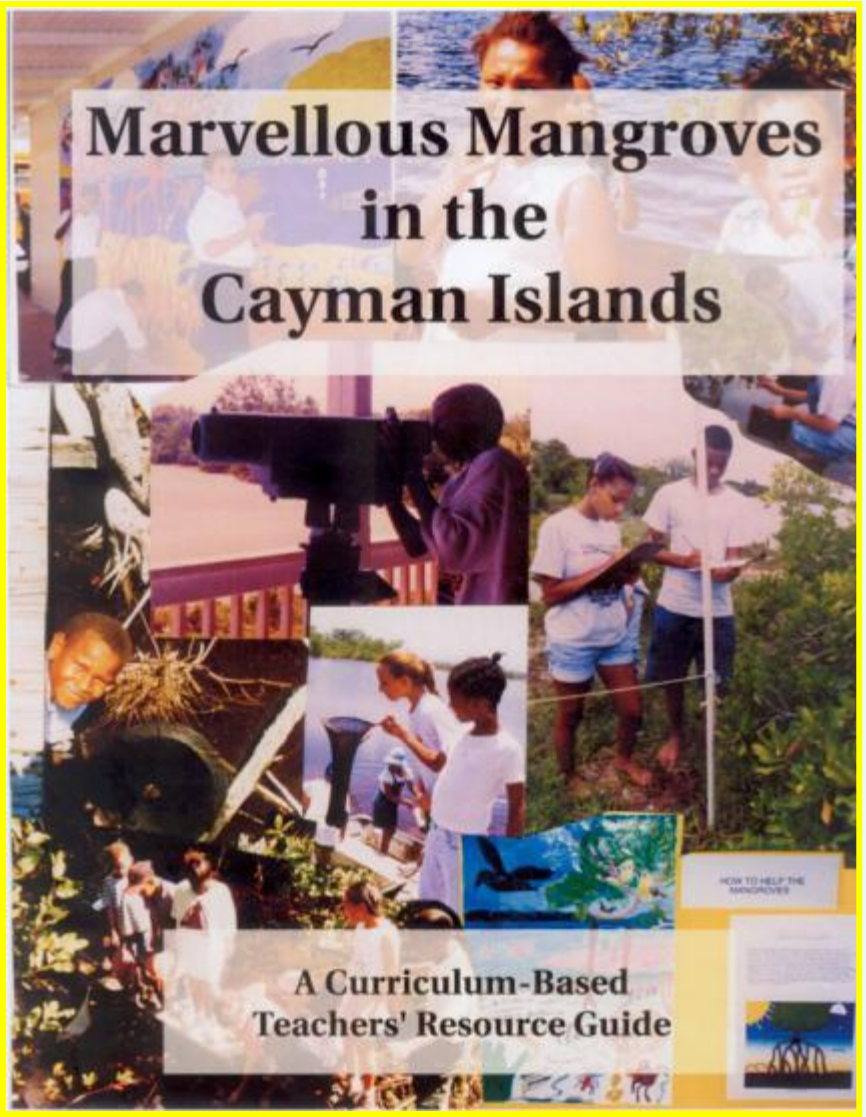
- Seafood (fish, crabs, shellfish, shrimp etc.)
- Building materials for houses boats, and fishing traps
- Firewood & Charcoal for cooking
- Tannin for fishing nets / dye for cloths
- Medicinal plants
- Raw material for handicrafts
- Feed for livestock
- Income from Eco-tourism – sea kayaking, bird watching, boardwalks Recreation-sight seeing, fishing etc....

Services:

- Fisheries nursery habitat and feeding grounds
- Storm protection
- Erosion control > seagrass > coral- reef protection
- Absorption of nutrient from landward side
- Buffer protection for agriculture land
- Protection of ground water from salinisation
- Detritus provide nutrients for marine animals
- Carbon Sequestion

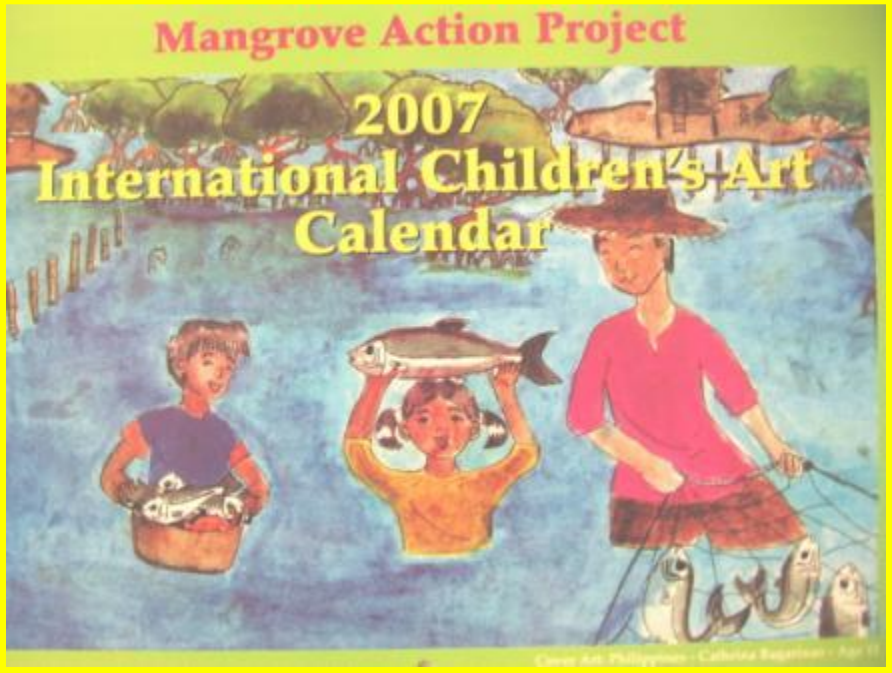
Raise Awareness & Education

- Student Wetlands Education > hands-on learning
- Teachers Trainer
- NGOs, CBOs,
- Local communities
- General Public
- Government Officials
- Forestry & Environment Officials
- Private sector, industry, shrimp farmers, tourism
- News media & journalists
- Academics & Researchers

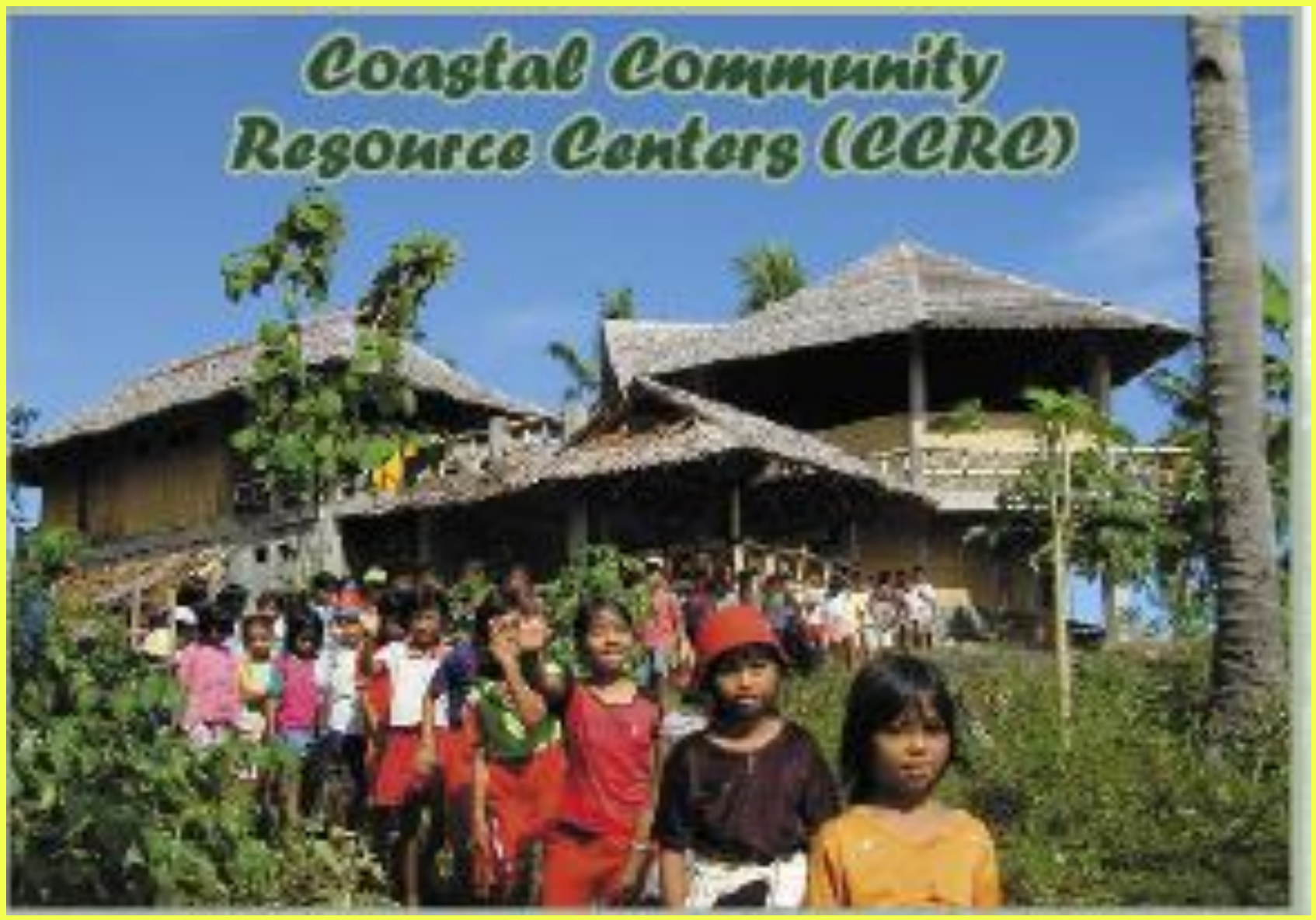


Children's Mangrove Calendar Art Contest

- International Mangrove Art Competition for children 7-13 years old from more than 15 countries
- Theme: "Why are conservation & restorations of mangrove important to my community?"
- Opportunity for NGOs to work with communities & school
- Educational tool & fund raiser for MAP



Mangrove Education & Resource Centers



Tiwoho, North Sulewesi, Indonesia

Learning by Doing is More Effective & Fun

Rekawa Lagoon, Sri Lanka, Feb. 2007

Understand the Problem !

Indonesia

Over Grazing by Livestock

Panama Lagoon, Sri Lanka, Feb. 2007

Use Natural Fencing

- OMCAR, Tamil Nadu

Reduce Mangrove Fuel Wood Consumption

Fuel Wood Efficient Stoves > Save 30%

Making Energy Efficient Sugar Palm Stove

Non-Timber Forest Products

Making crackers from mangrove plants

Crab Meat Processing

Food and Drinks from the Mangrove

Acanthus Tea & Crackers

Handicraft Products

Pandanus Handicraft, Sri Lanka

Tie-Dye Using Natural Mangrove Dyes & Herbs

Women’s Group Income Generation = Conservation

Eco-tourism > Education & Awareness > Action

Koh Kong, Cambodia

Mai Po, Hong Kong

Eco-tourism = Community Benefit ?

Community-Based Tourism

Community-based Tourism

Talae Nok Village, Phanga Nga, Thailand

Community-based Tourism

CBT Benefits

✓Effective Tool to Encourage Conservation, Wise Use & Restoration of Coastal Resources

✓Builds community ownership & stewardship of coastal resources

✓ Community Resource Management Plan

✓ Community Livelihoods

✓ Supplementary Income for Community Members

✓Community Managed & Directed

✓Builds Community Capacity

✓ Community Development / Welfare Fund from 10% of CBT Revenue

Community-Based Mangrove Management

Arugam Bay, Sri Lanka, Feb. 2007

Community-Based Workshop on Restoration

Arugam Bay, Sri Lanka, Feb. 2007

Villagers restore shrimp pond to mangrove

Talay Nok Village, Phang Nga, Thailand

Community takes back mangrove mud

Talay Nok Village, Phang Nga, Thailand

Only you can save
my home !