



ECOLOGICAL MANGROVE REHABILITATION *Training*

A Professional Development Opportunity for Forest Managers in Indonesia

July 18-22, 2011
Makassar,
South Sulawesi,
Indonesia

Learn The 6 Step Process to Ensure Successful Mangrove Rehabilitation



1

Ecological Assessment



2

Hydrological Assessment



3

Assessment of Disturbance



4

Planning and Design



5

Implementation



6

Monitoring and Correction

An **Ecological Mangrove Rehabilitation training workshop** entitled, "Mangrove Forest Ecology, Management and Restoration" will be held in Makassar, South Sulawesi from July 18-22, 2011. The five-day training includes a pair of field visits; 1) to a 400 ha mangrove rehabilitation project (45 of which has already been rehabilitated) on Tanakeke Island, 2) to a nearby area of abandoned and operational aquaculture ponds, to understand rehabilitation potentials. The course will be led by Roy R. "Robin" Lewis III, who international experience designing and conducting proven successful large-scale EMR projects, and has taught this excellent course in Cuba, Nigeria, Thailand, Vietnam, India and Sri Lanka.

The workshop includes an introduction to mangrove forest ecology, management options and problems, and restoration design issues. The class programs are all presented in a PowerPoint format, and each student is provided with a print out of the presentation and additional handouts including monitoring reports for typical restoration projects. Case studies of 5 successful mangrove restoration projects, and several unsuccessful projects, are discussed. Field trips are taken within the 400 ha Tanakeke Island site, with an optional trip (at an extra fee) to a ten year old completed site in North Sulawesi for comparison.

Participants are invited to bring pending project designs to the course for professional review and critique. The emphasis is on cost-effective successful mangrove management and restoration, and cost figures for typical projects are discussed and explained. The Ecological Mangrove Restoration (EMR) method of mangrove restoration is emphasized as the best approach to successful restoration at minimal cost (see Erftemeijer and Lewis 2000; Lewis 1999, 2000a, 2000b, 2005; Lewis and Marshall 1998; Lewis and Streever 2000; Lewis et al. 2005, Lewis and Gilmore 2007, Steve son et al. 1999 and Turner and Lewis 1997).

Planting of mangroves is discussed in light of the many failures of this alone to successfully restore mangroves. There will also be presentations and discussions of post-rehabilitation mangrove management, with a strong emphasis on collaboration, gender issues and involvement of women in the entire process (planning, rehabilitation and management).

Sixteen scholarships are being provided by the Restoring Coastal Livelihoods Project for practitioners from South Sulawesi. No course fee is required, but a limited number of additional participants will be allowed to attend, covering their own transportation, food and lodging costs during the program. Applicants for the course, are asked to fill out and submit the attached questionnaire, in order to prioritize selection of participants with a strong likelihood of using new skills and knowledge gained during the course, in actual medium to large scale mangrove rehabilitation efforts.

contact:

More information can be provided by Mangrove Action Project - Indonesia
seagrassroots@gmail.com or by sms to yusran nurdin 081355203030

EMR Training - Information Bullets

Objectives:

The objectives of the conferences are:

- To provide an introduction to mangrove forest ecology, management options and problems, and restoration design issues;
- To identify and promote discussion on issues and challenges of sustainable mangrove management with a focus on sustainable utilization and gender issues;
- To assess the opportunities for enhancing the research and development of mangrove rehabilitation, responsible and sustainable mangrove management, livelihoods, gender equity, education and public awareness; and
- To enhance the capacity of existing networks on mangrove ecosystems

Who Should Attend:

Women and Men who are

- Research scientists working in mangrove ecosystems
- Fisheries scientists working in coastal fisheries
- Resource managers involved with mangrove forest reserve and marine protected area issues
- Government representatives from local, state, and federal agencies with interest in mangrove and coastal marine ecosystems
- Individuals, consultants and personnel from agencies involved in mangrove rehabilitation and management
- Representatives from coastal communities with surrounding mangroves
- Foundations and Institutions that fund mangrove research
- Non-governmental organizations (NGOs)

Benefits of Attending:

- Understand common reasons for mangrove restoration failure and learn from 30 years of research and development on cost effective mangrove restoration,
- Present your ideas and research within a very unique forum
- Network with experts from around the region and the world

Registration and Costs:

Registrants for this training will need to complete the attached application form, and return it at the earliest possible convenience to the conference secretariat.

Participants will be prioritized based on likelihood of future involvement in implementation of mangrove rehabilitation.

Women participants will also be prioritized.

Field Visits:

A pair of field trips will be arranged during this training, to Tanakeke Island and a site on mainland Sulawesi to be announced.

All efforts to ensure safety of participants will be made by the RCL program, however, RCL is not liable for accidents incurred on the trip, and participants are urged to arrange travel insurance before the conference.

Participants should bring clothes appropriate to mangrove field work, including appropriate footwear, hat, work shirt/shorts and sunscreen.

Post Conference Field Trip:

A post-conference field trip will be arranged to visit a successful EMR site in Tiwoho Village, Bunaken National Park, North Sulawesi.

The dates and agenda of this trip will be arranged based on participant interest.

The RCL program will not be able to cover the costs of this field trip, with the possible exception of coastal community members.

Conference Secretariat:

For more information and questions, please contact:
MAP Indonesia Secretariat: +62 411 449782
RCL Project Officer - Yusran Nurdin: 081355203030
E-mail: yusran.nurdin@gmail.com

day 1: Basic Principles

9:00 - 9:30	welcomes and introductions
9:30 - 12 noon	introductory slide show
12:00 - 13:00	lunch
13:00 - 17:00	slide show continuation preparation for field excursion



day 2: Field Trip to Tanakeke

6:30	depart from hotel to Tanakeke
11:00	arrive at Lantang Peo Village tour EMR site at Lantang Peo
13:00 - 14:00	lunch
14:00 - 16:00	tour transmigration aquaculture ponds
16:00	return to mainland - passing Rewatayya site by boat
19:00	dinner in Makassar



day 3: international case studies

9:00 - 9:30	recap of field excursion
9:30 - 12 noon	international case studies
12:00 - 13:00	lunch
13:00 - 17:00	4 participant presentations

Community - Community Involvement in EMR, Lantang Peo, Tanakeke Island .(TBA)

Government - South Sulawesi Forest Resources Use and Conservation with a Gender Persepective (Drs. Sri Endang)

Academic - An Analysis of the Types of Intertidal Mangrove Landforms Encountered in Indonesia and What They Might Tell Us About Edaphic Conditons and Dynamics (Ph.D. James Davie)

NGO - Women's roles in community based mangrove management - a case study from the Philippines. (TBA)



day 4: Field Trip to Maros/Pangkep District

- 7:30 depart from hotel to Maros
- 9:30 arrive at Pajukukkang
tour shrimp pond/mangrove area
- 13:00 - 14:00 lunch
- 14:00 return to Makassar
- 16:00 Powerpoint
Project Implementation & Monitoring
- 19:00 dinner in Makassar



day 5: presentation to media

- 9:00 - 11:00 recap of six steps of EMR
- 11:00 - 12:30 presentation to media
- 12:00 - 13:00 lunch
- 13:00 - 15:00 closing



more information: Robin Lewis at LESRRL3@aol.com and www.mangroverestoration.com
Mangrove Action Project Website www.mangroveactionproject.org

Literature Cited:

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