Mangrove and Beach Forest Rehabilitation and Conservation
Zoological Society of London

Established in 1826, the Zoological Society of London is a centre of excellence for conservation science and is devoted to the worldwide conservation of animals and their habitats. It realizes its mission by carrying out field conservation and research in over 50 countries across the globe and works to encourage positive behavior change through dissemination of key conservation messages through its two zoos, ZSL London and ZSL Whipsnade Zoos.

ZSL-Philippines is now considered the national authority on mangrove conservation, having implemented in-situ rehabilitation projects; developed science-based mangrove planting protocols and methods; research and knowledge dissemination on mangrove reversion of abandoned, unproductive and unutilized fishponds; and national level policy advocacy on fishpond reversion and restoration of coastal greenbelts. In the aftermath of Typhoon Yolanda, ZSL’s expertise on mangrove restoration has been sought by all sectors in the country- government, private and socio-civic non-government organizations.

Turing Foundation

The Turing Foundation is a Netherlands-based private charity established in 2006. It seeks to promote and encourage a sustainable and respectful relationship with nature. Respect is in the interest of nature itself. Sustainability ensures that the needs of present generations can be met, without reducing the possibilities of future generations to fulfill theirs. In trying to achieve these aims, the Turing Foundation limits its scope to the protection and sustainable management of the nurseries of the sea in developing countries, the areas in seas and along coasts that have the highest concentration of life and biodiversity, and sustainable organic agriculture and cattle breeding (in developing countries in Africa).

The Turing Foundation aims to make a contribution to a better world and a better society, now and in the future. In all we do, we strive to make a significant difference and aspire to achieve sustainable results. Our main activity is to allocate funds to projects which contribute to this objective. We do not initiate or execute projects ourselves, but work towards their realisation via (Dutch) partner organisations. Our grant-making policy focuses exclusively on projects within the four defined funding areas: Nature, Education, Arts, and Leprosy.
Course Background

Mangroves and beach forests are important ecosystems that inhabit the transitional boundary between marine, freshwater and terrestrial habitats ranging from the tropical to sub-tropical coastlines. They are uniquely adapted to these environments and provide a range of ecosystem services through coastal protection, enhancement of fishery resources, and provide alternative livelihoods to millions of people. The importance and vulnerability these ecosystems are recognized by international and local governments emphasizing on protecting and conserving mangrove and beach forest biodiversity.

ZSL-Philippines has built a solid track record of more than 25 training courses on mangrove and beach forest rehabilitation over the past six years, graduating more than 1,000 participants from various government units and agencies, non-government organizations, academe, people’s organizations, and conservation enthusiasts. Since April 2011, more than 20 Mangrove and Beach Forest Training Courses (MBFTC) were conducted by the ZSL-Phils training team completed by more than 900 participants mostly from people’s organizations and other institutions.

Training of Trainers (ToT) on Mangrove and Beach Forest Rehabilitation and Conservation was successfully delivered beginning in May 2015 to increase national capacity for effective mangrove protection and rehabilitation, particularly in response to Typhoon Yolanda. ZSL-Phils trained a total of 152 mangrove practitioners from Local Government Units (LGUs), Department of Environment and Natural Resources (DENR), Bureau of Fisheries and Aquatic Resources (BFAR), EcoFISH Project, international and national NGOs (CCEF, Oxfam, CI Philippines), state colleges and universities, people’s organizations. The ToT on Mangrove and Beach Forest Rehabilitation and Conservation intends to support the national government’s development of a national greenbelt program through the Department of Environment and Natural Resources (DENR) and continuing local government efforts to improve management of community-based mangrove rehabilitation areas by scaling-up capacities for effective implementation using tested science-based best practices and technologies in mangrove rehabilitation and coastal protection.

For inquiry, please contact:

Ms. Venus S. Calanda
Zoological Society of London Philippines
#45O, Burgos St. La Paz, Iloilo City 5000

Tel. No.: +63 33 330 0929
+63 33 330 4406
Email.: MBFTraining@zsl.org
Mangrove and Beach Forest Training Course

This 3-day mangrove and beach forest training course (MBFTC) aims to enable communities to become more resilient to natural disasters using the science-based protocols for the protection and rehabilitation of coastal greenbelt through a series of lectures and field visits. The course will be held in Pedada Mangrove Ecopark to showcase mangrove and beach forest nursery, century old *Sonneratia alba* (pagatpat), and learn from the success stories of the PO that actually manage the park.

**Day 1 at Ajuy, Iloilo**
- Registration and Opening Ceremonies
- Mangrove and beach forest biology and ecology
- Mangrove conservation and rehabilitation
- Mangrove and Beach forest nursery
- Mangrove outplanting, monitoring and maintenance

**Day 2 at Ajuy, Iloilo**
- Communities role in mangrove and beach forest rehabilitation
- Mangrove and Beach Forest Rehabilitation Plan
- Mangrove and Beach Forest Rehab Planning (workshop)
- Processing and Presentation of Rehab Plan
- Beach forest and mangrove species ID (practicum)
- Establishing a backyard nursery (practicum)
- Outplanting and maintenance (practicum)

**Day 3 at Ajuy, Iloilo**
- Recapitulation & Group Dynamics
- Presentation of the mangrove rehab plan
- Team learnings / Evaluation
- Closing ceremony
- Field Visit – Pagatpat Plantation in Bgy Ermita, Dumangas
- Field Visit – Leganes Katunggan Ecopark in Bgy Nabitasan, Leganes
Training of Trainers

Mangrove and Beach Forest Rehabilitation and Conservation

The Training of Trainers (ToT) is a 5-day program which includes a series of lectures, group exercises, field visits and practicum sessions. It aims to build the capacity of the participants to train mangrove workers, practitioners, people’s organizations and advocates using science-based protocols in mangrove and beach forest conservation and rehabilitation. Participants will acquire a detailed understanding of the biology and ecology of mangrove and beach forest ecosystems; enhance facilitation skills in conducting mangrove and beach forest rehabilitation activities, including species identification, nursery establishment, out-planting, monitoring, maintenance, and community mobilization; and gain ideas and experiences on coastal greenbelt rehabilitation from exchanges.

Day 1 at Ibajay, Aklan - Fly in through Kalibo or Caticlan Airport
- Mangrove and beach forest biology and ecology
- Mangrove conservation and rehabilitation
- Mangrove and Beach forest nursery
- Mangrove outplanting, monitoring and maintenance

Day 2 at Ibajay, Aklan – Travel from Ibajay, Aklan to Ajuy, Iloilo
- Mangrove and beach forest species identification at KII Ecopark (practicum)

Day 3 at Ajuy, Iloilo – Travel from venue to Pedada Mangrove Ecopark
- Nursery establishment, Outplanting, Monitoring, and Maintenance (practicum)
- Community Sharing with Bgy. Pedada Fisherfolk Association
- Communities role in mangrove and beach forest rehabilitation
- Mangrove and beach forest rehabilitation plan
- Mangrove and beach forest rehab planning (Workshop)

Day 4 at Ajuy, Iloilo – Travel from Ajuy to Dumangas nursery and Leganes Ecopark (field visit)
- Preparation for training course; Reconnaissance survey
- Training evaluation (4 kinds)
- Field visit Leganes Eco-park and Ermita Mangrove Nursery

Day 5 at Iloilo City, Fly out through Iloilo Airport
- Field visit to Beach Forest nursery
- Presentation of training design including detailed schedule for practicum (workshop)
Inquiries

Participants of Training of Trainers (ToT)

The training course is open to interested workers in NGOs, universities, private sector CSR programs, LGUs and government agencies with the following qualifications:

- Candidates should have previous/current experience in mangrove rehabilitation activities; involved in protection, management and restoration of coastal ecosystems i.e. managers and personnel from institutions and industry experts involved in coastal management;
- It is expected that participants should have a bachelor’s level education or comparable experience in organizing and handling group activities; and
- Currently holding a supervisory function within his/her organization such that the trainee is expected to replicate the training in his/her work.

A limited number of training participants will be considered depending on the instructors and facilitators available.

<table>
<thead>
<tr>
<th>Training Schedule</th>
<th>Training cost*</th>
</tr>
</thead>
<tbody>
<tr>
<td>ToT</td>
<td>PhP 14,000.00/head inclusive of meals from Day 1-5, entrance fees, training kit, on-ground transportation, and registration fee.</td>
</tr>
<tr>
<td>MBFTC</td>
<td>PhP 10,000.00/head inclusive of meals from Day 1-3, entrance fees, training kit, on-ground transportation, and registration fee.</td>
</tr>
</tbody>
</table>

* Exclusive of travel from duty station/home base, accommodation and meals-in-transit
** Please contact us for 2019 mangrove training schedule

How to apply

For ToT applicants, complete the course application form and send via email or by mailing a hard copy to:

Ms. Venus S. Calanda
Zoological Society of London – Philippines
#45O, Burgos St. La Paz, Iloilo City, Philippines 5000
TeleFax: (033) 330 0929
Email.: MBFTraining@zsl.org
A. Personal Data
1. Name: _________________________________________________________________ (Last Name) (Given Name) (Middle Name)
2. Age: ____________
3. Gender: ____________
4. Designation: ____________________________________________________________
5. Institution/Organization: ________________________________________________
6. Office Address: __________________________________________________________
7. Tel/Fax Number: _______________________
8. Mobile Number: _______________________
9. Email Address: __________________________________________________________

B. Experience in Mangrove and Beach Forest related activities
1. Experience/s in mangrove rehabilitation activities (provide species of mangrove/beach forest planted and other details of activity).

<table>
<thead>
<tr>
<th>Name of Activity</th>
<th>Place</th>
<th>Inclusive dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Please describe)</td>
<td>(No./ Bldg. Street/Barangay Municipality/City Province)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Experience/s in organizing and handling group activities

<table>
<thead>
<tr>
<th>Name of Activity</th>
<th>Place</th>
<th>Inclusive dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Please describe)</td>
<td>(No./ Bldg., Street/Barangay, Municipality/City, Province)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Currently holding a supervisory function within his/her institution.
   Yes [ ]
   No [ ]
Animals and their habitats face increasing threats across the world. Donate to ZSL to help build a future where animals are valued and their conservation assured. ZSL is a registered charity in England and Wales no: 208728