Mangrove and Beach Forest Training Course
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.

Our 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 civil society/NGOs.

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 extremely important ecosystems in the planet and one of the most threatened. They inhabit the transitional boundary between marine, freshwater and terrestrial habitats across tropical and sub-tropical coastlines. They are uniquely adapted to these environments and provide a range of ecosystem services to support the livelihoods of millions of people. The recognition of national and local governments on the value of protecting and conserving mangrove and beach forest biodiversity is growing. There is increasing consensus that mangroves, other than enhancing fisheries production and livelihoods, also serve well for coastal protection.

ZSL-Philippines has built a solid track record of 21 training courses on mangrove rehabilitation over the past six years, graduating more than 1000 participants from various institutions and organizations. Starting in October 2014 a total of six (6) regular Mangrove and Beach Forest Training Courses (MBFTC) were organized and conducted by the ZSL mangrove training team to various local governments, NGOs, students and academic organizations, and people’s organizations who were keen on rehabilitating mangrove ecosystems especially hit by Typhoon Yolanda. Five hundred six (506) participants completed these courses. After a year, the 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 trained a total of 116 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/fishers associations. 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.

Questions
For inquiry, please contact:
Ms. Venus S. Calanda
Project Assistant
Zoological Society of London
Philippines
#43E, 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

This 3-day training course aims to enable communities to become more resilient to natural disasters using the science-based protocols for the protection and restoration of their 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
- Opening Ceremonies
- Mangrove biology and taxonomy
- Mangrove conservation and protection
- Beach Forest biology
- Beach forest nursery
- Mangrove nursery and Pagatpat propagation
- Mangrove outplanting
- Mangrove monitoring and maintenance

**Day 2 at Ajuy, Iloilo**
- Communities role in mangrove rehabilitation
- Mangrove Rehabilitation Plan
- Mangrove 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
- Travel from Ajuy, Iloilo to Ermita, Dumangas Mangrove nursery to visit pagatpat plantation (field visit)
- Travel from Ermita, Dumangas to Leganes Katunggan Ecopark to observe mangrove reversion of AUU fishponds (field visit)
The training course 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/Caticlan Airport**
- Mangrove and beach forest biology and taxonomy
- Mangrove conservation and rehabilitation
- Beach forest nursery; Mangrove nursery
- Mangrove outplanting, monitoring and maintenance

**Day 2 at Ibajay, Aklan – Travel from Ibajay, Aklan to Ajuy, Iloilo (PM)**
- Identification of mangrove and beach forest species at Katunggan It Ibajay, Aklan (practicum)

**Day 3 at Ajuy, Iloilo – Travel from venue to Pedada Mangrove Ecopark (practicum)**
- Communities role in mangrove and beach forest rehabilitation - Part I: Organizing communities
- Communities role in mangrove... - Part II: Mangrove and beach forest rehabilitation plan
- Mangrove and beach forest rehabilitaion planning - Processing and presentation of rehab plan
- Nursery establishment; Site selection; (practicum)
- Outplanting; Monitoring and maintenance (practicum)
- Community Sharing with Bgy. Pedada Fisherfolk Association

**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)
- Prepare training design including detailed schedule for practicum (workshop)

**Day 5 at Iloilo City, Fly out through Iloilo Airport**
- Exhibit of beach forest seedlings
- Presentation of training design including detailed schedule for practicum (workshop)
- Team learning and evaluation
Participants of Training of Trainers

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

a. 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;
b. It is expected that participants should have a bachelor’s level education or comparable experience in organizing and handling group activities; and
c. 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>
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<tr>
<td><strong>ToT</strong></td>
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<tr>
<td>19-24 June 2017</td>
<td>PhP 12,000.00/head inclusive of meals from Day 1-5, entrance fees, training kit, on-ground transportation, and registration fee.</td>
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<td>14-19 August 2017</td>
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<td>6-11 November 2017</td>
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<td><strong>MBFTC</strong></td>
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<td>24-26 April 2017</td>
<td>PhP 8,200.00/head inclusive of meals from Day 1-3, entrance fees, training kit, on-ground transportation, and registration fee.</td>
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<td>20-22 July 2017</td>
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<td>6-8 December 2017</td>
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* Exclusive of travel from duty station/home base, accommodation and meals-in-transit

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
Project Assistant
Zoological Society of London – Philippines
#43E, Burgos St. La Paz, Iloilo City, Philippines 5000
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).

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<tr>
<th>Name of Activity</th>
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2. Experience/s in organizing and handling group activities

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3. Currently holding a supervisory function within his/her institution.

Yes [ ] No [ ]