

symposium

ZOOLOGICAL SOCIETY OF LONDON
REGENTS PARK, LONDON, NW1 4RY



6 and 7 November 2014

TURNING THE TIDE ON MANGROVE LOSS

The status of mangroves and their associated fauna

Organised by

Louise Baldwin, Zoological Society of London; Heather Koldewey, Zoological Society of London; Jurgenne Primavera, Zoological Society of London & Co-chair of the IUCN SSC Mangrove Specialist Group; Joe S.Y. Lee, Griffith University & Co-chair of the IUCN SSC Mangrove Specialist Group

Mangrove forests are one of the most severely threatened and undervalued ecosystems on Earth and are being lost at an alarming rate. Threats to mangrove forests include: land development, pollution, deforestation for fuel and climate change. A number of initiatives have been established to address the research and conservation needs of mangroves but these are currently disjointed and less effective as a result. This symposium will bring together a range of stakeholders from the mangrove community, including academic experts, conservation NGO representatives and policy makers, to focus their attention on improving conservation success and influencing policy.

This symposium will define the current status of mangroves and associated fauna and explore the importance of mangroves to the people who depend on them. We will discuss the future of mangroves and showcase initiatives that are being developed around the world to conserve mangrove forests, including the use of mangroves for blue carbon and climate change mitigation. The symposium will also provide the context for a call to arms for researchers and conservationists to align research objectives and discuss future initiatives.



Photos: ZSL



**Mangrove
Specialist
Group**

the **waterloo** foundation *

TURNING THE TIDE ON MANGROVE LOSS

6 NOVEMBER 2014

- 8.30 **REGISTRATION OPENS**
- 8.55 **Welcome**
- 9.00 **Keynote: Mangrove conservation in a Chinese megalopolis**
Brian Morton, OBE, FZS, Emeritus Professor of Marine Ecology, The University of Hong Kong, UK
- 9.30 **Keynote: Understanding and quantifying the many values of mangroves, globally and locally**
Mark Spalding, The Nature Conservancy & University of Cambridge, UK
- 10.00 **POSTER SESSION (TEA/COFFEE)**
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SESSION I: HOW MANY MANGROVES ARE THERE AND WHERE ARE THEY?

- 10.30 **Mangrove plants of the world: a concise illustrated e-book, with detailed descriptions and current distribution maps for each taxa**
Norm Duke, James Cook University, Australia
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SESSION II: LIFE WITHIN THE MANGROVES: LIVELY OR LIFELESS?

- 11.00 **Ecological and evolutionary significance of invertebrate behaviour for mangrove ecosystems**
Stefano Cannicci, University of Florence, Italy
- 11.30 **Quantifying habitat structural complexity of mangroves and its implications for ecosystem services**
Joe S.Y. Lee, Griffith University, Australia
- 12.00 **Title TBC**
Nico Koedam, Vrije Universiteit Brussel & Farid Dahdouh-Guebas, Université Libre de Bruxelles, Belgium
- 12.30 **Mangrove–fisheries relationships: the knowns, unknowns, and current challenges**
Ivan Nagelkerken, University of Adelaide, Australia
- 13.00 **LUNCH**
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SESSION III: CAN MANGROVES DROWN? HIGHLIGHTING THE THREATS TO MANGROVES

- 14.00 **Mangroves as land builders: paradigm revisited**
Karen McKee, U.S. Geological Survey, USA
- 14.30 **Costa Rica Terraba-Sierpe Ramsar site: Successes and challenges of mangrove conservation through ecotourism**
Daisy Arroyo Mora, Universidad de Costa Rica, Costa Rica
- 15.00 **Mangroves and coastal protection -- the Philippines and Typhoon Haiyan**
Jurgenne Primavera, Zoological Society of London, Philippines
- 15.30 **POSTER SESSION (TEA/COFFEE)**
- 16.00 **An expanding network to monitor mangrove vulnerability to sea level rise in Southeast Asia**
Dan Friess, University of Singapore, Singapore
- 16.30 **PANEL DISCUSSION**
- 17.30 **POSTER SESSION with cash bar. Symposium end of day one (18.30)**
- 19.00 **SYMPOSIUM DINNER – tickets to be booked in advance**

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SESSION IV: STANDING OR FELLED: WHICH IS MORE VALUABLE TO US?

- 9.00 **Climate change implications of mangrove conversion to shrimp ponds: The jumbo carbon footprint of a small prawn**
Boone Kauffman, Oregon State University, USA
- 9.30 **Title TBC**
Paul van Zweiten, Wageningen University, The Netherlands
- 10.00 **MAP, taking a stand at the roots of the sea**
Alfredo Quarto, Mangrove Action Project, USA
- 10.30 **Ponds, parks and protected areas: strategies for mangrove conservation in the central Philippines**
Heather Koldewey, Zoological Society of London, UK
- 11.00 **POSTER SESSION (TEA/COFFEE)**
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SESSION V: HOW TO REBUILD OUR LOST FORESTS

- 11.30 **Lessons learned from 40 years of successful Ecological Mangrove Restoration (EMR) in the tropical Americas**
Robin Lewis, Coastal Resources Group, Inc, USA
- 12.00 **Community-Based Ecological Mangrove Rehabilitation (CBEMR) in Indonesia from small (12–33 ha) to medium scales (400 ha) with pathways for adoption at larger scales (>5000 ha)**
Ben Brown, Blue Forests, Indonesia
- 12.30 **Ecosystem-based mangrove rehabilitation and management along mud-coasts of the Mekong Delta, Vietnam**
Klaus Schmidt, Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
- 13.00 **LUNCH**
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SESSION VI ALIGNING RESEARCH TO CONSERVATION NEEDS

- 14.00 **Developing good practice for blue carbon projects: status and information needs**
Steve Crooks, ESA PWA Environmental Hydrology, USA
- 14.30 **The value of mangroves in Madagascar - carbon and communities**
Alasdair Harris, Blue Ventures, UK
- 15.00 **Science as a foundation for effective mangrove management: Perspectives from the western Indian Ocean region**
Jared Bosire, Kenya Marine and Fisheries Research Institute. Kenya
- 15.30 **POSTER SESSION (TEA/COFFEE)**
- 16.00 **Linking research and conservation needs of mangroves: current status, challenges and prospects in west- central Africa**
Gordon Ajonina, TBC, Cameroon
- 16.30 **Supporting mangrove ecosystem conservation needs in Southeast Asia through research – experiences from the MFF initiative and other international mangrove projects**
Donald Macintosh, Mangroves for the Future, Denmark
- 17.00 **PANEL DISCUSSION (Chair - Dan Alongi) CONCLUSIONS AND SUMMING UP**
Jurgenne Primavera, Zoological Society of London, Philippines & and Joe S.Y. Lee, Griffith University, Australia: Co-chairs of the IUCN SSC Mangrove Specialist Group
- End of Symposium**

REGISTRATION

TURNING THE TIDE ON MANGROVE LOSS

6 and 7 November 2014. The Meeting Rooms, Zoological Society of London, Regent's Park (Outer Circle), London NW1 4RY, UK.

Symposium Attendance	Full rate	Discounted rate	(applicable for ZSL Friends & Fellows ¹ , and students ²)
For two days or part days	£150	£75	
For one day or part day	£95	£50	

Deadline for Registration 1 November 2014 (an additional **£10 fee** is applicable for all late registrations).

ONLINE BOOKING AVAILABLE SOON <http://www.zsl.org/science/whats-on/turning-the-tide-on-mangrove-loss>

To pay by cheque or card, please complete and return this form to: Linda DaVolls, ZSL Scientific Events, Zoological Society of London, Regent's Park, London NW1 4RY, UK; e-mail: linda.davolls@zsl.org; fax: +44 (0)20 7449 6411. Please complete one form per delegate.

REGISTRATION

Please register me for: TWO DAYS / THURSDAY / FRIDAY (please delete as applicable)

I AM / AM NOT a Fellow or Friend of the Zoological Society of London¹
I AM / AM NOT a registered graduate/undergraduate student²

¹Please provide your ZSL Membership number

²Please provide a supporting statement from your course supervisor or a copy of your student card.

3-COURSE DINNER (6 November 2014)

I would like to book for dinner on Thursday 6 November: please reservedinner place(s) (£40 each).

Closing date for dinner bookings: 1 November 2014. Please list any special dietary requirements below (including vegetarian).

We regret that cancellations received after 1 November 2014 cannot be refunded.

Your details

Title: First name: Surname:

Name (as you would like it to appear on your badge):

Position: Organisation:

E-mail: Tel:

Special dietary requirements (please specify, including vegetarian):

Mailing address (billing address should be provided for card payments):

Delegate list: We would like to make a list of delegates available to all attendees. Please indicate here if you **do not** want your information (name, position, organisation, e-mail address) to be included []

PAYMENT DETAILS

Cheque I enclose a cheque for £..... payable to: The Zoological Society of London. Please note that cheques can only be accepted in Sterling drawn against a UK bank.

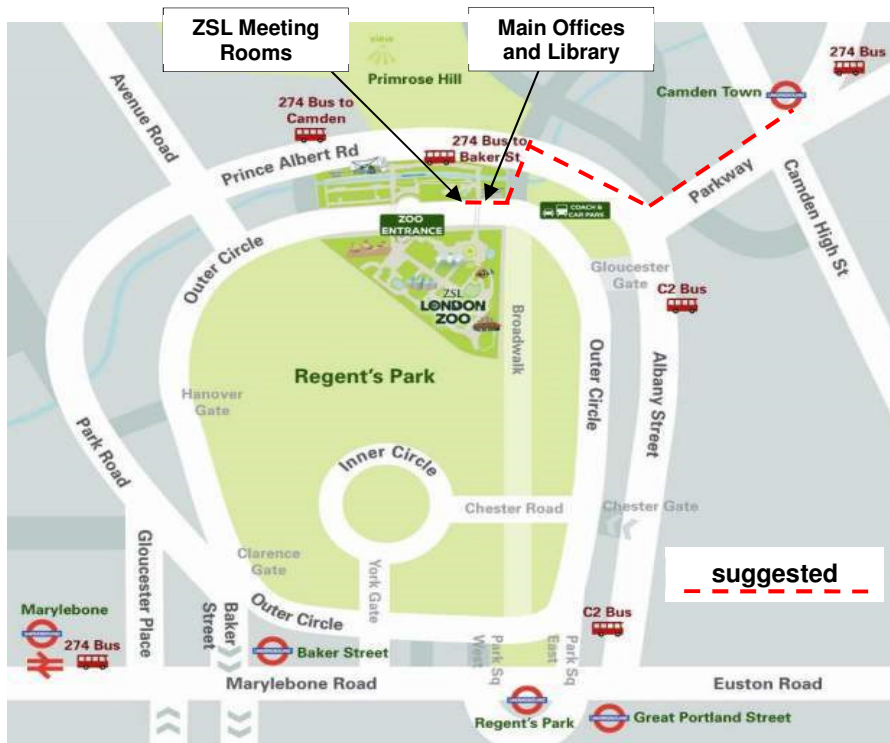
Card Please complete all details below and return by fax or by post:

Please debit my Visa / MasterCard (delete as appropriate)

Amount £.....
Card Number / / /
Expiry Date / Card security code (last three digits printed on or just beneath card signature strip)
Name on Card (capital letters please)
Signature of Card Holder Date

Cancellations must be received in writing by 1 November 2015 and will be refunded less a £15.00 processing charge. Substitutions may be made at any time without charge; please notify Linda DaVolls of any change in attendee details.

LOCATION



The Zoological Society of London's Meeting Rooms are next to the ZSL Main Office, on the Outer Circle, Regent's Park. Cars may be parked in the ZSL London Zoo visitors' car park – please contact Linda DaVolls (details below) to arrange a special parking rate. The nearest public transport is by the 274 bus (to ZSL London Zoo), or by Underground (to Camden Town).

NOTES

Attendance All places must be booked in advance. **Full rate:** two days £150; one day £95.
Discounted rate: (for students and ZSL Friends and Fellows) two days £75; one day £50.
 Registration deadline: 1 November 2014 (a fee of £10 will be charged on all late registrations).

Meals and refreshments Coffee, tea and a buffet sandwich lunch will be served during breaks and are included in the ticket price. A dinner with the speakers will be held on Thursday 6 November; tickets cost £40 each and must be purchased no later than 1 November 2014. Please state if you have any special dietary requirements, including vegetarian.

Posters The organisers invite delegates to submit proposals for posters related to the symposium topic. Abstracts of no more than 250 words can be emailed or posted (using enclosed form) to Linda DaVolls (details below) by 1 November 2014 for consideration by the organisers. Accepted poster presenters will be notified by 2 November 2014.

Booking and enquiries

please contact: Linda DaVolls, ZSL Scientific Events
 Zoological Society of London,
 Regent's Park (Outer Circle)
 London NW1 4RY, UK.
 E: linda.davolls@zsl.org ; T: +44 (0)20 7449 6272 ; F: +44 (0)20 7449 6411
<http://www.zsl.org/science/whats-on>



The Zoological Society of London (ZSL) is a charity devoted to the worldwide conservation of animals and their habitats.

This event is generously supported by the Waterloo Foundation [thewaterloofoundation*](http://thewaterloofoundation.com)