
CAPTURE International Year of the Reef Colloquium

Capturing Europe's Respect of Tropical Coral Reefs



Anemone fish on the coral reefs of Raja Ampat, Indonesia.

November 1-2, 2018

Leibniz Centre for Tropical Marine Research (ZMT) GmbH
Haus der Wissenschaft, Sandstraße 4/5 28195 Bremen, Germany

Thursday 1 • Scientific talks

8:45 – 9:15	Registration and morning coffee
9:15 – 9:30	Colloquium opening by Dr. Georg Heiss (Project Manager – International Year of the Reef - IYOR, Freie Universität Berlin, and Dr. Sonia Bejarano (Head of the Reef Systems Research Group, ZMT)
THE BENEFITS WE DERIVE FROM TROPICAL CORAL REEFS	
9:30 – 10:00	Morning plenary – title to be confirmed
10:00 – 10:15	The contribution of coral reef fisheries to food security in the tropical developing world • Ravi Maharaj, University of British Columbia, Canada
10:20 – 10:35	Coral reef structural complexity protects shorelines from waves under rising sea levels • Dr. Daniel Harris, University of Queensland, Australia
10:40 – 10:55	The importance of coral reefs for global tourism and economy • Laretta Burke, World Resources Institute, Germany
10:55 – 11:10	Coffee break
11:15 – 11:30	Pharmaceuticals from the sea - coral reef biodiversity as a source of inspirational molecules • Christopher Leber, Scripps Institution of Oceanography, USA
11:35 – 11:50	The global flood protection savings provided by coral reefs • Dr. Michael Beck, The Nature Conservancy & University of California Santa Cruz, USA
11:55 – 12:10	Linking international ecosystem services research to perspectives and preferences of coral reef resource users • Marleen Schutter, Lancaster University, UK.
12:15 – 13:30	Lunch Buffet
CHANGES IN ECOSYSTEM SERVICE SUPPLY AND CONSEQUENCES OF THEIR LOSS	
13:30 – 13:45	Climatic and oceanographic drivers of coral reef ecosystem state • Dr. Gareth Williams, Bangor University, UK.
13:50 – 14:05	Poleward migration of coral reef species and their functions: how will this impact ecosystem services? • Associate Professor Adriana Verges, University of New South Wales, Australia.
14:10 – 14:25	Linking terrigenous sediment delivery to declines in coral reef ecosystem services • Dr. Susan Harrell Yee, US Environmental Protection Agency, USA.
14:30 – 14:45	Climate change effects on Mediterranean coralligenous benthic assemblages • Professor Carlo Cerrano, Reef Check Italy and Università Politecnica delle Marche, Italy.

Round tables & more

14:50 – 15:05	Coffee break
15:05 – 16:00	Round table discussion: 1) What are the main facts and figures that Europeans should know about the coral reef crisis and why/how these concern them? 2) What actions can Europe take to mitigate the impacts of losing coral reef ecosystem services? 3) Tropicalisation: Who are the winners and losers of ecosystem services?
16:00 – 17:30	Drinks & visit to artistic exhibition of coral reef-inspired sculptures made by school kids • Sculptures hosted by their creators in the exhibit room will be open to all colloquium participants
17:30 – 19:00	Recess
19:00	Dinner Reservation in the city for colloquium presenters

Scientific talks
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Friday 2
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Round tables & more

9:00 – 9:15

Morning coffee

CAN WE PROTECT REEF SERVICES WITH CONVENTIONAL AND NOVEL TOOLS AT HAND

9:15 – 9:45

Morning Plenary: The search for coral reef management solutions in the Anthropocene • Professor Nick Graham, Lancaster University, UK

9:45 – 10:00

The future of coral reefs subject to rapid climate change: Lessons from natural extreme environments • Dr. Emma Camp, University of Technology Sydney, Australia

10:05 – 10:20

Will we achieve true resilience or just resistance? Evidence from a reef under marginal conditions • Associate Professor Mateo Lopez-Victoria, Javeriana University (Cali), Colombia

10:25 – 10:40

Coffee break

10:40 – 11:25

Making decisions for managing ecosystem services • Dr. Maria Jose Martinez-Harms, Pontifical Catholic University of Chile

11:30 – 11:45

Building coral reef resilience through assisted evolution • Dr. Patrick Buerger, CSIRO, University of Melbourne, Australian Institute of Marine Science

11:50 – 12:05

Can assisted evolution help protect heat-wave damaged coral reefs? • Dr. Marlene Wall, Helmholtz Centre for Ocean Research, Germany

12:05 – 13:30

Lunch Buffet

FUTURE RESEARCH AND ACTION PATHWAYS IN TIMES OF RAPID CORAL REEF DECLINE

13:30 – 14:00

Afternoon Plenary: Restoring coral reefs in the 21st century • Dr. Sebastian Ferse University of Bremen

14:00 – 15:00

Round table discussion: 1) Which scientific approaches likely lag behind in effectiveness given the fast pace at which coral reefs are changing? **2)** Which novel approaches may be most effective at prolonging the lifetime of reef biodiversity and ecosystem services?

15:00 – 15:15

Coffee break

15:15 – 17:00

PANEL FOR FUTURE COLLABORATIONS • Space for participants to meet in small working groups and outline potential collaborative papers on future research directions identified.

17:00 – 18:00

How best to communicate all these facts to the public? the power of filmmaking • Claudia and Henrick Schmitt, The Jetlagged, Germany. Following a questions-and-answers session, the filmmakers, who have been nominated for the Nature Film of the year award, will screen some of their outstanding 360-degree coral reef movies.

18:00 – 19:00

Recess

19:00

Dinner Reservation in the city for colloquium presenters