

Reef Conservation UK

Saturday 27th November 2021

Dynamic Earth, Edinburgh



08:30 Registration opens

09:00 Welcome address

09:15 Plenary speaker I

09:15	Nick Graham	Coral reefs under dynamic change	Lancaster University
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09:45 Session I: Reef ecology

	<i>Speaker</i>	<i>Presentation title</i>	<i>Institution</i>
09:45	Ben Williams	Readying passive acoustic monitoring for widespread use	UCL / ZSL
10:00	Viviana Brambilla	The hidden environmental variability of coral reefs: linking reef structural traits to light niches	University of St Andrews
10:15	Ines Lange	Recovery of reef carbonate budgets after a coral bleaching event	University of Exeter
10:30 Speed talk	Margaux Steyaert	Glow up: investigating coral and cryptobenthic fluorescence on tropical reefs using Autonomous Reef Monitoring Structures (ARMS)	University of Oxford / ZSL
10:35 Speed talk	Darcie Anderson	Structural complexity and biodiversity of mesophotic coral ecosystems	University of Oxford

10:40 Morning break & poster session

11:20 Session II: Advances in reef science and conservation

	<i>Speaker</i>	<i>Presentation title</i>	<i>Institution</i>
11:20	James Guest	Selective breeding for heat tolerance as a tool to enhance coral reef resilience	Newcastle University
11:35	David Pearton	Unravelling at the Edges: Using RADSeq to study population structure, adaption, and speciation at coral range edges.	SAAMBR
11:50	Emi Husband	Reef Islands of the Caribbean: a first quantitative assessment of decadal shoreline change on Honduran reef islands	Northumbria University
12:05	Laurence De Clippele	Measuring sound at a cold-water coral reef to assess the impact of COVID-19 on noise pollution	University of Edinburgh
12:20 Speed talk	Amanda Ho-Lyn	The Coral Culture and Restoration Wiki Website	CCRW
12:25 Speed talk	John Stratford	Using detailed, large-scale 3D models to monitor reef recovery following mass bleaching	UCL

12:30 Lunch break & poster session

13:45 Plenary speaker II

13:45	<i>Andréa Grottoli</i>	Rebuilding coral reefs - a decadal grand challenge	ICRS
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14:15 Session III: Reefs in a changing world

	<i>Speaker</i>	<i>Presentation title</i>	<i>Institution</i>
14:15	<i>Clara Diaz</i>	Hidden coral bleaching in the Indian Ocean	<i>University of Plymouth</i>
14:30	<i>Murray Roberts</i>	The Mingulay reef complex: twenty years of research into cold-water coral reef geology, biology and conservation.	<i>University of Edinburgh</i>
14:45	<i>Marta Pena-Fernandez</i>	Multiscale mechanical consequences of ocean acidification for cold-water corals	<i>Heriot-Watt University</i>
15:00 Speed talk	<i>Sarah Cryer</i>	Linking metabolic cycles to stages of degradation on Caribbean reefs.	<i>University of Southampton / NOC</i>
15:05 Speed talk	<i>Laura Warmuth</i>	How do climate change and connectivity drive coral reef fish abundance in the Western Indian Ocean?	<i>University of Oxford</i>

15:10 Afternoon break & poster session

16:00 Session IV: Reef conservation and management

	<i>Speaker</i>	<i>Presentation title</i>	<i>Institution</i>
16:40	<i>James Robinson</i>	Nutrient productivity of coral reef fisheries	<i>Lancaster University</i>
16:15	<i>Gordon Watson</i>	Preventing the decoupling of the Marine Aquarium Trade, coastal communities and coral reefs during the Anthropocene	<i>University of Portsmouth</i>
16:30	<i>Amber Carter</i>	Investigating the social ecological vulnerability of coral reef-dependent coastal communities to climate change: insights from southwest Madagascar	<i>University of Edinburgh</i>
16:45	<i>Ruth Dunn</i>	Conservation implications of forage base requirements of a marine predator population at carrying capacity	<i>Lancaster University</i>
17:00	<i>Dominic Andradi-Brown</i>	Applying The MPA Guide to Indonesia's Marine Protected Area Network	<i>WWF-US</i>
17:15 Speed talk	<i>Nadia Santodomingo</i>	Marine litter pollution on coral reefs of Darvel Bay (East Sabah, Malaysia)	<i>Natural History Museum</i>
17:20 Speed talk	<i>Tyas Ismi Trialfhianty</i>	How can socio-ecological analysis be used to evaluate marine protected areas' performance?	<i>University of Leeds</i>

17:25 Student prizes & closing remarks

17:40 Drinks reception at Dynamic Earth

20:00 Reception finishes



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POSTER PRESENTATIONS

<i>Presenter</i>	<i>Presentation title</i>	<i>Institution</i>
<i>Allia Rosedy</i>	Turbid reefs coped better to the 2020 bleaching event in Northeast Borneo (Malaysia)	<i>University of Malaysia Sabah</i>
<i>Amanda Alva</i>	Coral Reefs in the United States Congress	<i>Auburn University</i>
<i>Catherine Sheppard</i>	Interactions between herbivore functional groups drive overall coral reef function	<i>Lancaster University</i>
<i>Emma Korein</i>	Using interviews and participatory mapping to develop a localized coral disease management strategy	<i>Nova Southeastern University</i>
<i>Eva Maire</i>	Asynchrony confers stability to mesopredatory reef fish assemblages across environmental disturbance gradients	<i>Lancaster University</i>
<i>Eveline van der Steeg</i>	Deterring fish grazing increases survivorship of outplanted juvenile corals	<i>Newcastle University</i>
<i>Fiona Chong</i>	Fewer but bigger corals in high latitude reefs	<i>University of Hull</i>
<i>Georgios Kazanidis</i>	One on top of the other; how hidden structural heterogeneity enhances the biodiversity of cold-water coral reefs	<i>University of Edinburgh</i>
<i>Isabel Clark</i>	Is Macroalgal Biomass relevant to Coral Reef Studies?	<i>Queen's University Belfast</i>
<i>Jack Johnson</i>	Disparate responses of coral reef benthic configurations to global warming between an Indonesian and Honduras coral reef system	<i>Queen's University Belfast</i>
<i>Jake Edmiston</i>	Assessing the efficacy of a Caribbean parrotfish harvest ban across spatial scales in Utila, Honduras with directions for future management.	<i>University of Edinburgh</i>
<i>Jeneen Hadj-Hammou</i>	Making reef fish biomass assessments feasible for marine managers and communities: comparison of methods and trends in a Transboundary Conservation Area	<i>Lancaster University</i>
<i>Kelsey Archer Barnhill</i>	Reef Quality over Coral Quantity: Introducing a Cold-Water Coral Reef Health Index for Predicting Deep Sea Ecosystem Futures	<i>University of Edinburgh</i>

POSTER PRESENTATIONS CONTINUED

<i>Laurence De Clippele</i>	Biomass mapping for an improved understanding of the contribution of cold-water coral carbonate mounds to C and N cycling	<i>University of Edinburgh</i>
<i>Louise Anderson</i>	Disturbance history mediates temporal changes in trait community structure on the Great Barrier Reef	<i>University of Leeds</i>
<i>Mark Hamilton</i>	Climate impacts alter fisheries productivity and turnover on coral reefs	<i>Lancaster University</i>
<i>Michela Lever</i>	The importance of the temperature increase profile in coral model Aiptasia and Symbiodiniaceae host under ongoing climate change	<i>University of Essex</i>
<i>Nadia Jogee</i>	Building a Picture of Corallith Formation using CT Scan Technology	<i>University of Edinburgh</i>
<i>Nick Dunn</i>	Development of an eDNA assay for the detection of grey reef sharks in the Chagos Archipelago	<i>Imperial College London / ZSL</i>
<i>Nico Fassbender</i>	Revealing the unknown – a first look at Seychelles deeper reef benthos	<i>Nekton</i>
<i>Rachel Gunn</i>	The role of seabird nutrient subsidies and resource availability on territorial behaviour in a herbivorous farmer damselfish (<i>Plectroglyphidodon lacrymatus</i>)	<i>Lancaster University</i>
<i>Rosalie Dowell</i>	Developing Environmental DNA techniques as a marine biodiversity monitoring tool in the Indian Ocean	<i>Imperial College London / ZSL</i>
<i>Teigan Collins</i>	Sedimentary characterisation of turbid reefs using a novel Artificial Intelligence-based approach	<i>Imperial College London / NHM</i>
<i>Thea Moule</i>	The impact of a mass coral bleaching event on reef fish assemblages size spectra	<i>Bangor University</i>
<i>Trigal Magala Velasquez-Rodriguez</i>	Mainstreaming coastal nature-based solutions as an approach to tackle climate change adaptation, enhance biodiversity and promote human wellbeing in the UK	<i>University of Cambridge</i>



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