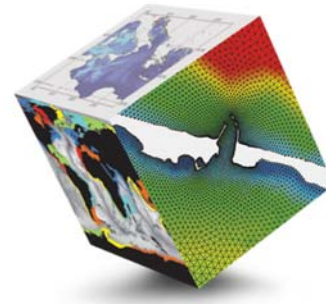


Agenda AMEMR 2021



Session 1: The Making of Models

Convenors

Kevin Flynn – University of Swansea, UK

Wendy Gentleman – Dalhousie University, Canada

Luca Polimene - Plymouth Marine Laboratory, UK

Speakers

Presentor	Title	Organisation
Per J Hansen	Keynote Speaker	
Alaia Morell	Eco-evolutionary dynamics in an individual-based multispecies model of marine ecosystems and its application to the North Sea	Ifremer
Suzana Leles	From modelling mixotrophy to trait adaptation within plankton ecosystem models	University of Southern California
Kevin Flynn	Modelling evolution in plankton	PML
	Panel discussion	
	Flash Presentations	
Ralf Steuer	Modelling growth and interactions of marine microbes using biochemical resource allocation analysis	Humboldt University of Berlin
Neil Banas	Modelling range limits in Calanus copepods in rapidly changing Arctic gateways: A trait- and life-history-based approach	University of Strathclyde
Alexander Christensen	Swimming with microbes ? an IBM approach to patchiness in a turbulent ocean mixed-layer	Imperial College London
Carsten Lemmen	Vertical positioning as a key functional trait of macrobenthic communities	Helmholtz-Zentrum Geesthacht
	Panel discussion	

Session 2: Connected Systems

Convenors

Momme Butenschön - CMCC, Italy

Johannes Pätsch - Universität Hamburg, Germany

Eun Young Kwon - IBS Center for Climate Physics, Republic of Korea

Presentor	Title	Country
Moritz Mathis	Keynote Speaker	
Ina Nilsen	A comparison between a global and a regional model system to study future climate changes in the Nordic and Barents Seas	Institute of Coastal Systems, Helmholtz-Zentrum Geesthacht

Daan Reijnders	Assessing Ocean Surface Connectivity in the Arctic: Capabilities and caveats of community detection	Utrecht University
Nathan Terseleer	Connected seabed-water column systems: from data to 3D statistical to 4D numerical model	Royal Belgian Institute of Natural Sciences
Helen Powley	Fate of riverine terrigenous carbon across the north west European shelf sea	PML
	Panel discussion	
	Flash Presentations	
Jan Kossack	Modeling ecosystem and nutrient dynamics at the NWEU shelf break	Helmholtz-Zentrum Geesthacht
Ehsan Sadighrad	Modeling the impact of mesoscale eddies on water mass transport in the Black Sea	Middle East Technical University, Erdemli
Xavier Desmit	Recovering from eutrophication along the land-ocean continuum of the North East Atlantic	Royal Belgian Institute of Natural Sciences
Gennadi Lessin	What controls nitrous oxide emissions on the northwest European continental shelf?	PML
	Panel discussion	

Session 3: Science and Society

Convenors

Scott Condie - CSIRO, Australia

Bettina Fach - Middle East Technical University, Turkey

Lynne Shannon - University of Cape Town, South Africa

Kelly Ortega Cisneros - Rhodes University

Presenter	Title	Country
Shelia Heymans	Keynote Speaker	European Marine Board
Lyndsay Clavareau	Assessing the stability of marine systems when marine mammals feed on fisheries catches: a qualitative modelling approach	IFREMER
Hem Nalini Morzaria-Luna	Evaluating the effects of Southern Resident Killer Whale recovery actions and external threats in the marine ecosystem of Puget Sound	CEDO Intercultural and Long Live the Kings
Karen Wild-Allen	Predictive biogeochemical modelling for aquaculture operations in Tasmania.	CSIRO Oceans & Atmosphere
Yannis Hatzonikolakis	Assessing the impact of microplastic pollution on bivalve aquaculture sites in the Mediterranean Sea	Hellenic Center for Marine Research
	Panel discussion	
	Flash Presentations	
Kim scherrer	Marine wild-capture fisheries after nuclear war	Universitat Autònoma de Barcelona
Sara Pedro	Developing ecosystem models through participatory research with Inuit partners to address food security in a changing Arctic	Université Laval

Jeroen Steenbeek	Using gaming technology to explore and visualize management impacts on marine ecosystems	Ecopath International Initiative
Ricardo Torres	Coupled modelling systems for the estimation of shellfish aquaculture carrying capacity: Large scale offshore production of mussels in Lyme Bay, English Channel	PML
Panel discussion		

Session 4: Connecting Models, Data and Analyses

Convenors

Jerry Blackford - Plymouth Marine Laboratory, UK

Stefanie Dutkiewicz, MIT, USA

Suzana Leles, University of Southern California

Déborah Benkort - Helmholtz- Zentrum Geesthacht

Presenter	Title	Organisation
Stefano Ciavatta	Keynote Speaker	PML
Colleen Petrik	Assessment of mesozooplankton in CMIP6 Earth system models and implications for modeling higher trophic levels	Texas A&M University
Joost de Vries	Ecology of the coccolithophore life cycle	University of Bristol
Stefanie Haase	Moving through a stratified world: validated geolocation tool for Baltic cod equipped with data storage tags	Thuenen Institute of Baltic Sea Fisheries
Matt Lewis	Novel validation of high-fidelity Lagrangian Particle Tracking Models	Bangor University
Panel discussion		
Flash Presentations		
Julien Lamouroux	Review of the CMEMS Global biogeochemical operational system: modelling, Ocean Color data assimilation and validation against novel BGCArgo-based in situ datasets.	Mercator Ocean International
Jozef Skakala	The assimilation of multi-platform data into two-way coupled physical-biogeochemical model	PML
Barbara Robson	Use of a marine modelling suite (eReefs) as a data source for other models	Australian Institute of Marine Science
Panel discussion		
Prize Giving and close of Conference		