



**Marine Ecosystems
Research Programme**

Science Meeting Agenda

26th April 2018, Royal Society

			Speaker	Partner
09:20	09:30	Welcome and introduction	Paul Somerfield	PML
Session 1 Linking data, models and ecosystem services (Chair Jorn Bruggeman)				
09:30	09:40	Integrating MERP data into Ecosystem Services	Mel Austen	PML
09:40	09:50	Bayesian Belief Networks and Ecosystem Services	Paul Blackwell	University of Sheffield
09:50	10:00	Understanding trade-offs to maximise the benefits from living marine natural capital	Mike Heath	University of Strathclyde
10:00	10:10	DISCUSSION		
Session 2 Modelling and the social dimension (Chair Michaela Schratzberger)				
10:10	10:20	Cultural values of marine ecosystem services: what do stakeholders prefer?	Gill Ainsworth	CEH
10:20	10:30	Integrating ecological-economic model in contingent behaviour approach to assess changes in preferences and values of tourism, leisure and recreational experiences	Simone Martino	SAMS
10:30	10:40	Humans are part of the ecosystem too. Linking models of marine ecology to economic drivers.	Mike Heath	University of Strathclyde
10:40	10:50	European Marine Board Policy Brief - end-to-end modelling	Sheila Heymans	European Marine Board
10:50	11:00	DISCUSSION		
11:00	11:20	COFFEE		
Session 3 Managing multiple stressors (Chair Ruedi Nager)				
11:20	11:30	Exploring ecosystem effects of management strategies	Mike Spence	Cefas
11:30	11:40	Bow Tie Analysis in Cumulative Effects Assessment	Adrian Judd	Cefas
11:40	11:50	Cumulative Impacts and the Management of Marine Ecosystems	Tom Webb	University of Sheffield
11:50	12:00	Capturing thresholds of biodiversity change to support environmental management	Elena Couce	Cefas
12:00	12:10	DISCUSSION		
Session 4 Modelling the marine ecosystem (Chair Sevrine Sailley)				
12:10	12:20	The effects of model resolution on the ecosystem of the Celtic Sea	Sarah Wakelin	NOC
12:20	12:30	Temporal / Spatial coupling of Ecospace: bottom-up and top-down controls. The West Coast of Scotland example	Natalia Serpetti	SAMS
12:30	12:40	Uncertainty in Marine Ecosystem Modelling	Hayley Bannister	University of Sheffield

12:40	12:50	DISCUSSION		
12:50	13:30	LUNCH		
Session 5 Functional biodiversity (Angus Atkinson)				
13:30	13:40	Trait Explorer: from sparse data to traits for all species	Jorn Bruggeman	PML
13:40	13:50	Marine biodiversity: metrics, function and drivers	Miriam Grace	University of Sheffield
13:50	14:00	Modelling benthic macrofauna: state, function and diversity.	Gennadi Lessin	PML
14:00	14:10	DISCUSSION		
Session 6 Top-down and bottom up effects (Kate Searle)				
14:10	14:20	The effects of variations in trawling and primary production on size-structured food webs in marine benthic ecosystems	Jan Hiddink	University of Bangor
14:20	14:30	Scale dependency of top-down and bottom-up control	Angus Atkinson	PML
14:30	14:40	Top-down and bottom-up effects in marine communities: quantification, modelling, prediction	Axel Rossberg	QMUL
14:40	14:50	DISCUSSION		
Session 7 Food-webs (Dave Paterson)				
14:50	15:00	Blue carbon in deep coastal waters: the role and fate of seaweed detritus	Ana Queiros	PML
15:00	15:10	The contribution of macroalgae to coastal food webs	Mike Burrows	SAMS
15:10	15:20	Comparing and contrasting the food webs of NW European fishing regions using the StrathE2E model.	Mike Heath	University of Strathclyde
15:20	15:30	DISCUSSION		
15:30	15:50	COFFEE		
Session 8 Higher trophic levels (Francis Daunt)				
15:50	16:00	Diet diversity in seabirds varying with ecological conditions	Ruedi Nager	Glasgow University
16:00	16:10	Understanding seabird responses to pressures in the marine environment – combining environmental drivers, movement and demographics to map predator seascapes	Kate Searle	CEH
16:10	16:20	Advances in understanding top predator distributions in NW European seas	Peter Evans	Sea Watch Foundation
16:20	16:30	DISCUSSION		
Session 9 MERP and ERSEM (Mike Burrows)				
16:30	16:40	Modelling plankton, fish and biodiversity across the UK seas – what ERSEM development has brought us.	Jorn Bruggeman	PML
16:40	16:50	Advances in biogeochemical models plankton diversity	Sevrine Sailley	PML
16:50	17:00	DISCUSSION AND CLOSING REMARKS	Paul Somerfield	PML