



		Monday	Tuesday	Wednesday	Thursday
8:45	9:00	Welcome and Introduction			
		Foodwebs and Diversity	Grand challenges, next generation models and lessons learnt.	Progress towards End 2 End models	Climate Impacts
9:00	9:25	Pat Glibert Anthropogenically changing nutrient stoichiometry: The consequences for phytoplankton to fish and the implications for food web modeling	Kevin Flynn Placing marine mixotrophs in context: modelling mixotrophy in a changing world	Geir Huse Towards end to end IBM models	David Stainforth Climate Forcing and Uncertainty
9:25	9:50	Jorn Bruggeman Diversity and ecosystem Function	Mike Zubkov Challenges for the modelling of microbial ecology	Icarus Allen Linking physiology to ecology: Towards a new generation of plankton models	William Cheung Interdisciplinary approach to model climate change impacts on global marine fisheries
9:50	10:10	Neil Banas Adding rich trophic interactions to a size-spectral plankton model: Emergent diversity patterns and limits on predictability	Inga Hense Modelling the Life Cycle of Coastal Planktonic Organisms	Verena Trenkel Regime shifts or exceptional events? Insights from sardine and anchovy	Simone Libralato Quantification of climate change and fishing impact effects on the North-Central Adriatic food web using an End-to-End approach
10:10	10:30	Andy Ridgwell Towards an adaptive/evolutionary ecosystem in an Earth system model	Robert Armstrong A model framework of competition equations for simulating microbial plankton communities	Charles Stock Modeling the transfer of energy from primary producers to mesozooplankton in a global circulation model	Steve Mackinson Linked Upper and Lower Trophic Level Models of Marine Ecosystems
10:30	10:50	Markus Pahlow Model of Optimal Nitrogen Fixation	Hywel Williams Bacteriophage predation creates metagenomic islands in simulated bacteria	Eileen Hofmann Interactions of Behavior, Growth, and Circulation on Dispersal of Marine Larvae	Kenneth Rose Progress on the development of a climate-to-fish-to-fishers model: simulating the long-term population dynamics of anchovies and sardines in the California Current
10:50	11:20	Coffee	Coffee	Coffee	Coffee
11:20	11:40	Ben Ward Nutrients, grazing and the size-based biogeography of marine ecosystems	Thomas Anderson Lessons from a past master: Gordon Arthur Riley (1911-1985) and the pros and cons of simple models as a means of studying marine ecosystems	Roger Cropp Constructing Ecologies	Marjorie Friedrichs Coastal Carbon Fluxes along the U.S. Eastern Continental Shelf Derived from a Coupled Biogeochemical-Circulation Model
11:40	12:00	SOFIA SAL Multiple drivers of the latitudinal diversity gradient in marine phytoplankton	Phil Wallhead Inference with Riley's model	Wolfgang fennel Integration of nutrient to fish dynamics in a Eulerian model	Jason Holt The sensitivity of ecosystem processes of Northwest European continental shelf to climate change: contrasting nutrient supply to temperature effects
12:00	12:20	Jerry Wiggert Assessment of the biogeochemical fields from a coupled physical-biogeochemical model used in providing water quality and ecological forecasts of the Chesapeake Bay	Dag L Aksnes Inherent and apparent traits in microbial nutrient uptake modeling	Wendy Gentleman Predicting the effect of environmental change on copepod dynamics and production: What's needed to improve copepod life history models	Gary Griffith The impact of ocean warming due to human activity on the south-eastern Australian marine ecosystem: the possibility of chaotic and non-chaotic dynamics co-existing in the food web.

12:20	12:40	Bert Brinkman	Eutrophication in the Dutch Wadden Sea and carrying capacity for shellfish eating birds	Isabelle Dadou	Nitrogen transfers in the Upwelling off Namibia within the Oxygen Minimum Zone: a 3-D model approach	Øyvind Fiksen	A 1D ecosystem model with fish predators and adaptive zooplankton: how does ecological realism influence model predictions?	Marie Savina	CREAM: An Atlantis model for sustainable regional development in the Clarence river estuary
12:40	13:00	Jerry Wiggert for Raleigh Hood	Ecological forecasting in Chesapeake Bay using a hybrid mechanistic-empirical modeling approach	Scott Condie	Multi-trophic level interactions between small pelagic fish and squid: An example of extreme sensitivity to model structural uncertainty	Jan Jaap Poos	A bio-energetic evolutionary algorithm underpins spatio-temporal dynamics in North Sea plaice (<i>Pleuronectes platessa</i> L.)	Robert Gamble for Howard Townsend	Comparing the implications of marine mammal recovery in three large marine ecosystems using the full system model, ATLANTIS
13:00	14:10	Lunch & Posters		Lunch & Posters		Lunch & Posters		Lunch & Posters	
		Parallel Session 1 Physiology and plasticity	Parallel Session2: Models for Management	Parallel Session 1 Trophic structures	Parallel Session2a Benthic models	Excursions		Parallel Session 1 Climate	Parallel Session2 CO2 world High
14:10	14:30	Sergio Vallina Stability of complex food webs: resilience, resistance and the average interaction strength.	Mathieu Mongin A Semi Lagrangian transport model to explore the impact of floods on the marine ecosystem in Moreton Bay South East Queensland (Australia).	Allison Smith Quantifying the role of bacterial extracellular enzymes in marine remineralization processes	Jonathan Beecham A System for the Spatially Explicit Modelling of Communities of Class-Structured Benthic Organisms			Thomas Neumann Regional climate change effects on the Baltic Sea ecosystem	Soenke Hohn Modelling the effect of ocean acidification on coral calcification
14:30	14:50	Kai Wirtz Plankton trait dynamics: from biomechanics to 3D applications	Melissa Saeland Comparing Eulerian and Lagrangian formulations of a classical NPZD model	Aditee Mitra The mixotroph functional type model – does it do what it says on the tin?	Piet Ruardij The role of pelagic-benthic coupling in Dutch coastal waters.			Joern Schmidt Optimal harvest of Baltic Sea herring under environmental change	Donata Melaku Canu Assessing uncertainty and sensitivity of integrated ecological-socio-economical models output
14:50	15:10	James Clark Individual-based modelling of evolution in marine microbial populations using genetically defined physiological parameters	Alice Vanhoutte-Brunier Adaptive strategies of oyster farmers in a trophic-limited system. An integrated model of the Marennes-Oleron Bay (France)	Leigh Gurney The importance of incorporating diet quality into consumption rates for ecosystem modelling studies	Lorenz Meire Assessing the evolution of hypoxia using a coupled pelagic-benthic model			Geneviève Lacroix Interannual variability of the Solea solea recruitment and connectivity in the Southern North Sea: what can be learned from a fish larvae transport model?	Yuri Artioli Ocean Acidification in the North Western European shelf: future predictions and impacts on primary production.
15:10	15:30	Stuart Daines Traits and tradeoffs from a physiological cell model with resource allocation to sub-cellular components	Alain Menesguen Operational modelling of some risks of eutrophication and HAB (Pseudo-Nitzschia, Karenia, Phaeocystis) in the Bay of Biscay and the English Channel	Agurtzane Urtizberea Diel vertical migration of anchovy larvae: a thermoregulatory strategy?	Session 2b Physics to fish Baris Salihoglu End-to-end modeling of seasonal variability in coastal versus open basin Black-Sea ecosystems			Dhanya Pushpadas Challenges in climate change impact assessment on marine ecosystems: A modelling study for the North and Baltic Sea	Tom Van Engeland Understanding ocean acidification by inverse modelling of mesocosm experiments
15:30	15:50	Gisle Nondal Representing enhanced phytoplankton carbon assimilation in biogeochemical models	Emanuela Clementi Hindcasting and predicting the Adriatic Sea ecosystem dynamics	Emmanuel Acheampong Mesozooplankton production: The interplay between temperature and prey biochemical composition	Simeon Hill Using foodweb models to explore uncertainties in the South Georgia ecosystem.	Excursions		Marcello Vichi Ocean biogeochemical processes under future emission scenarios: contrasting regional responses and the importance of atmospheric concentration pathways	Ina Lorkowski The role of coccolithophores within the carbon shelf pump of the North Sea
15:50	16:20	Coffee		Coffee		Coffee		Coffee	
16:20	16:40	Friederike Prowe Top-down control of marine phytoplankton diversity in a global ecosystem model	Karen Wild-Allen Validation of operational biogeochemical models for resource management of coastal waters	Andrew Morozov Holling type III functional response in herbivorous zooplankton: Bringing together field evidence and mathematical modelling	Gorka Merino Sustainability of future fish production systems and feasibility of meeting food security targets in a future of global environmental change			Fanny Chenillat Influence of the NPGO index on the Cross-Shore Dynamics of the Southern California Current Ecosystem	Session2b: Models and data Harriet Cole Metrics of phytoplankton seasonality for model validation
16:40	17:00	Philip Underwood Towards An Emergent Model of Trophic Structure in Marine Ecosystems	Meinte Blaas Modelling transboundary nutrient transport and riverine nutrient loading scenarios in the North Sea	Session 1b Models and Satellites. Annette Samuelsen Linking mesoscale structures to distribution of biomass of higher trophic levels combining remote sensing, acoustics, and models.	Anders Frugård Opdal Truncation of spawning grounds in Northeast Arctic cod: Consequences for offspring fitness and climate vulnerability.			Albert Hermann Modeled and observed modes of biophysical variability on the Bering Sea shelf	Takafumi Hirata A comparison between biomass distributions of zooplankton estimated from satellite and marine ecosystem models; assessment of spatial applicability of the models
17:00	17:20	Momme Butenschön Parameter optimisation and parameter uncertainty of a complex biogeochemical ocean model	Johan van der Molen Eutrophication and the role of trans-boundary transport of nutrients in the North Sea	Stefano Ciavatta Assimilation of remotely sensed optical properties in the western English Channel	GEORGE TRIANTAFYLLOU Simultaneous Assimilation of Fish and Biochemical Data into an EZE Marine Ecosystem Model			Lionel Eisenhauer Changes in the production and distribution of arctic Calanus sp. congener at multi-decadal scales in response to climate warming	Marie-Fanny Racault Comparison of ecosystem descriptions developed from remote sensing and ecosystem modelling
17:20	17:40	Christian Lindemann Effects of deep convection on phytoplankton dynamics: An Individual-Based-Model approach	Hagen Radtke Tracking nutrient transports in the food web of the Baltic Sea		Dimitrios Politikos Development of a 3D-IBM for the European anchovy (<i>Engraulis encrasicolus</i>) in the Mediterranean Sea			Plenary Closing Remarks	