



Poster authors and titles

Aaron Bever	Comparing observed and modeled estimates of hypoxic volume within the Chesapeake Bay, USA, to improve the observational sampling strategy
Agostino Merico	Shifts in phytoplankton species composition captured by a size-based model in regions of contrasting environmental conditions
Albert Hermann	Harnessing your GPU for interactive immersive Individual-Based Modeling
Alexandra Kroll	Interannual Variability of Dinoflagellates and Diatoms in Coastal Systems - A Modelling Study
Aline Gangnery	A three-Dimensional ecological model to optimize shellfish culture in the Baie des Veys (Normandy, France)
Amanda Lloyd	Mussel carrying capacity and dynamic ecosystem models
Andreas Moll	Seasonal zooplankton dynamics in the North Sea captured by ecosystem and stage-structured population models using competition between bulk and stage-structured formulations
Andrew Morozov	Modelling interactions in tri-trophic plankton communities: The importance of vertical space for an efficient grazing control
Andrew Yool	ROAMing with MEDUSA: present and future ocean acidification in a global model
Anja Eggert	Bulk zooplankton dynamics on the northern Benguela suboxic shelf
Arthur Capet	Multi-decadal evolution of Black Sea hydrodynamics and biogeochemistry
Bablu Sinha	Dependence of the emergent properties of a complex ecosystem model on grazing parameterization
Balla Maggero	A Sequential Method for Ocean Data Assimilation: Application at Mercator
Bei Su	Hypothesis test in a box model: why do nitrate concentrations not drop to zero in OMZs
Briac Le Vu	Physical and Biogeochemical processes maintaining the Oxygen Minimum Zone in the Benguela Upwelling System using an eddy resolving model
Celina Wong	Marine Ecosystems: Size-Structured Population Modelling in End-to-End Models
Charlotte Laufkoetter	Trends and Variability of Plankton Functional Types in CCSM-BEC

Charlotte Marcinko	Estimating Bioluminescence in the North Atlantic by Modelling Dinoflagellates.
Coralie Perruche	Assessment of a global biogeochemical hindcast simulation forced by a physical Mercator-Ocean reanalysis
Daniele Brigolin	Linking food web models and habitat suitability models for the sustainable management of the Venice lagoon
David Carozza	Parameterizing trophic dynamics in a marine biogeochemical model
David Ford	Validating a global coupled carbon cycle forecast model with data assimilation
David Talmy	Modelling phytoplankton adaptation to non steady-state light conditions
Denise Perez	Light-Use Efficiency of Coral Reef Communities: Use of an Optically Based Model for Reef Productivity and Calcification
Derek P. Tittensor	Marine aspects of a whole biosphere model
Eiji Watanabe	Biological response to shelfbreak eddy activities in the western Arctic Ocean
Eileen Hofmann	Analysis of the Role of Antarctic Krill in the Marine Food Web of Marguerite Bay, Western Antarctic Peninsula
Eileen Hofmann	The influence of surface winds on Circumpolar Deep Water transport, ice shelf basal melt, and nutrient supply along the western Antarctic Peninsula
Ekin Akoglu	Coupling biogeochemistry and physics to fish in the Black Sea
Eleanor Carter-Silk	The socio-economic value of marine ecosystems in relation to gas and climate regulation (Poster)
Emanuela Fiori	Numerical modelling of herbicide effects on phytoplankton growth parameters
Emma Young	Variability in fish larval retention at South Georgia, Southern Ocean: insights from numerical modelling
Fabian Schwichtenberg	Impact of alkalinity fluxes on the carbon cycle in the southern North Sea between 1970 and 2006
Fanny Monteiro	Assess the biogeochemical controls of nitrogen fixers in the global ocean using a new adaptive ecosystem model
Gelsomina Mattia	Variability of the Mediterranean Sea biogeochemistry in the contemporary climate
Geneviève Lacroix	How is the <i>Solea solea</i> recruitment affected by behaviour in the Southern North Sea? A modelling study

George Triantafyllou	An ensemble implementation of the H ∞ filter with application to a coupled marine ecosystem model
Gianpiero Cossarini	A 3Dvar assimilation scheme of satellite chlorophyll in a complex biogeochemical model of the Mediterranean Sea
Gunnar Brandt	Human cooperation in a simple resource-consumer system
Icarus Allen	Marine Ecosystem Evolution in a Changing Environment (MEECE)
Icarus Allen	Global Plankton Databases for Modelling
Ingrid Ellingsen	Modelling benthic processes in the Barents Sea
Jan Taucher	Can we predict the direction of marine primary production change under global warming?
Jamie Shutler	Improving CO ₂ flux estimations for the Atlantic north west shelf in support of climate modelling
Jeremy Blackford	Spatial and temporal heterogeneity of the carbonate system and implications for ocean acidification.
Jianping Gan	Modeling nitrogen and phosphorus limitation on upwelling-river plume ecosystem in the northeastern South China Sea
Johannes Paetsch	Comparing two techniques to separate physical- and biological mediated pCO ₂ in seawater
John Hemmings	Calibration and assessment of plankton models in the presence of environmental uncertainty
Jon Hill	Applying adaptive mesh methods to sub-mesoscale coupled physics-ecosystem models
Jon Hill	Adapting to life: Ocean ecosystem modelling in an adaptive mesh model
Julius Agboola	Nutrient fluxes fueling primary production in Ishikari Bay, oligotrophic subarctic coastal environment of Japan.
Karen Edwards	Validation of an operational coupled hydrodynamic-ecosystem model: the new NEMO-ERSEM-SPM model for the North West European
Karline Soetaert	Marine ecosystem modelling in the open source software R.
Kedong Yin	A critical height model for the formation of hypoxia in the bottom mixed layer
Kelly Kearney	An end-to-end ecosystem model for the Pacific Eastern Subarctic Gyre ecosystem

Lawrence Hughes	A climate variability ocean acidification model drives an evolving coastal observation and verification system.
Lindsey Kropuenske Artman	Eddy effects on primary production in the Humboldt Current System
Luca Polimene	Modelling photoprotective pigments in phytoplankton
Luca Polimene	An alternative explanation of the Sargasso Sea DMS "summer paradox": a modelling study
Luz María García-García	Towards an end2end model for W and N Iberian shelf and slope: modelling the oceanographic conditions affecting the spawning and recruitment of pelagic fish during spring 2007
Malin Gustafsson	Modelling coral energetic: assessing the ability of the cnidarian hosts to control growth rate of their symbiotic algae
Marco Uttieri	A cost-benefit analysis of zooplankton movement
Marco Uttieri	First Passage Times and Patch Entrance: an IBM for Zooplankton Motion
Marie Maar	Ecosystem modelling of the displacement of <i>Calanus finmarchicus</i> and <i>Calanus helgolandicus</i> due to temperature changes in the North Sea
Marie Savina	STORM-ATLANTIS: An ecosystem modelling platform for the Derwent and Huon estuaries and surrounding coastal areas
Marieke Eleveld	Towards Coastal Biomass Observatory Services (CoBiOS): Possibilities of ocean colour remote sensing for ecosystem modelling
Mark Platts	Modelling the spatial distribution of bottom fishing using a hierarchical method
Martin Huret	An integrated modelling approach to close the life cycle of anchovy under environment control in the Bay of Biscay.
Matthew Long	Scale dependencies of biogeochemical parameterizations
Meike Vogt	MAREDAT – A global marine plankton biomass database
Miranda Jones	Projecting Climate-Induced Range Shifts of Fish and Invertebrates in the North Sea and its Conservation Implications
Momme Butenschön	Multi-decadal trends in a regional marine ecosystem model: a skill analysis
Nataliya Stashchuk	Numerical investigation of deep water circulation in the Faroese Channels
Nicholas Stephens	Investigation of pH and alkalinity in benthic sediments using an ERSEM model

Nora Kemmler	A model based evaluation of temperature impacts on pelagic ecosystems in indoor mesocosm experiments
Ole Jacob Broch	Dynamics of anthropogenic nutrients in a coastal environment
Paolo Lazzari	Modelling primary producers in the Mediterranean Sea: hindcast and scenario simulations
Patricia Reglero	Piscivory among larvae: improving recruitment estimations of tuna
Philippe Cugier	Coupling a watershed model of the Seine river with a 3D ecological model of the Seine bight (France) in order to study eutrophication problems
Piotr Bentkowski	An evolutionary model of genome streamlining in free-living prokaryotes
Ricardo Oliveros-Ramos	An evolutionary algorithm for calibration of complex models using time series data: application to OSMOSE hindcast simulations
Robert McEwan	Modelling nutrient distributions in a large-scale river plume
Russell Richards	The acid-test: Modelling the influence of 'coastal' acidification on nutrient cycling
S. Lan Smith	Towards a consistent model of the combined effects of temperature and concentration on nutrient uptake rates in the ocean
Sakina-Dorothee Ayata	Comparison of biogeochemical models with increasing complexity in photosynthesis formulation: the importance of taking into account photoadaptation in marine ecosystem models.
Sarah Wakelin	Carbon exchange between the northwest European continental shelf and the North Atlantic Ocean
Scott Condie	An online tool for modelling larval dispersion and development: Influences of swimming behavior and environmental conditions
Sergey Frolov	Quantifying observational constraints on an operational models of algal bloom variability in Monterey Bay, CA
Sevrine Sailley	MAREMIP (phase 0): The second trophic level (zooplankton) in different DGOMs.
Sonja van Leeuwen	Effects of Deep Chlorophyll Maxima on higher trophic levels
Stephane Saux Picart	Operational evaluation of a hydrodynamic-ecosystem model using advanced metrics
Stephanie Henson	Particle export: an alternative parameterisation
Stuart Daines	The EVolutionary Ecosystem (EVE) model

Sturla Winger Svendsen	Nonlinear interactions of tidal and atmospheric forcing on the marine ecosystem of the North Sea
Susan Allen	One Model, Two Very Different Reasons for Interannual Variation in the Spring Bloom in two Estuarine Systems
Svetla Petrova Miladinova-Marinova	Oxygen availability in the Baltic Sea: A model study
Takafumi Hirata	A comparison between global phytoplankton types estimated by model and satellite
Thomas Anderson	Intercomparison of trophic transfer functions in marine ecosystem models: Consequences for higher trophic levels and export flux
Tilla Roy	Planktonic foraminifera as indicators of anthropogenic climate change
Tingting Wang	Modelling of the Si:N drawdown ratio in a global marine ecosystem mode
Tomas Lovato	Application of an adaptive NPZ model to the simulation of the inter-annual evolution of the phytoplanktonic community in the Lagoon of Venice
Tomasz Dabrowski	Application of DEB theory to model the growth of <i>Mytilus edulis</i> and influence of its cultivation on ecosystem function
Valeria Mamouridis	Additive Mixed Models applied to the study of red shrimp landings: comparison between frequentist and Bayesian perspectives
Vincent Rossi	A coupled modelling study of plankton and hydrodynamics at mesoscale in the Benguela upwelling system
Xavier Desmit	Explaining the spatial distribution of the spring bloom maximum in the Belgian coastal zone with winter salinity
Ying Ye	Environmental controls on nitrogen fixation by <i>Trichodesmium</i> in the tropical eastern North Atlantic
Yongjin Xiao	An Ecosystem Model Comparison on the Northeast U.S. Continental Shelf Using Data Assimilation
Yumiko Yara	Projected effects of global warming and ocean acidification on corals in seas close to Japan
Yuri Artioli	Sniffing the models: a virtual electronic nose to track patterns.
Zhenwen Wan	Towards a systematic ecosystem model calibration: improving a preoperational biogeochemical model for the Baltic Sea