

WGIPEM

Working Group on Integrative, Physicalbiological, and Ecosystem Modelling

RESEARCH FOCUS

- Improving the representation of trophic interactions, benthicpelagic coupling and anthropogenic influences in numerical marine ecosystem models
- Improving lower trophic level modelling by investigating parameterizations, adaptations, patterns and drivers
- Improving higher trophic level modelling by investigating key process formulations and effects of connectivity, climate and habitat
- Assessing model skill evaluation methods



Integrated Ecosystem Assessments Steering Group (IEASG)

OUR CHAIRS





OUR OBJECTIVE

WGIPEM was started from the objective of bringing lower and higher trophic level marine modellers into one room and get them talking to each other, with the aim to facilitate marine modelling in general and End-2-End modelling in particular.

Recent efforts of the group have focussed on increasing uptake of model results in marine management, including more social sciences and highlighting that both models and observations are needed for better process understanding. Modelling the impacts of offshore renewable energy extraction is another current focus.

OUR EXPERTISE

 Our members work with process-based models of the marine environment, from planktonic level to fish stocks and entire ecosystems. This includes hydro-biogeochemical models, DEB models, IBM's and





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 food web models, and many more.
These models are primarily used to increase process understanding, support marine management by quantifying impacts from policy options and to study single and combined pressure impacts in the past, present or future.