

Invitation to the annual meeting of the ICES Working Group on Integrated Physical-biological and Ecosystem Modelling (WGIPEM) 2021

Monday, March 22th to Thursday, March 25rd, 2021
Location: Digital participation on platform “Teams”



Registration link; deadline Feb 22 2021

<https://docs.google.com/spreadsheets/d/1-faODJRG1ROPeavu9xlr-rt2rkE1haSGZAB6qeGx80I/edit?usp=sharing>

Please be invited to join the third annual WGIPEM meeting of the 3-years period 2019-2021, this year in digital form. The aim of the meeting is to make progress on our 4 Terms of Reference (ToR) listed beneath and found at <https://www.ices.dk/community/Documents/Science%20EG%20ToRs/IEASG/2019%20-%202020/WGIPEM%20Resolution%202019-2021.pdf>

We will aim for 1 session of approximately 3 hours daily, and will try to take into account the different time zones the participants are in. Detailed time schedule will be available short time after registration deadline. We encourage presentations and input on all ToR's, although we note that timeslots may be short or presentations compressed, as an online meeting need to be shorter in duration than a physical one and we therefore are somewhat pressed for time. During the week there will also be interactions with other ICES WG's, a discussion on a potential new 3 years period of WGIPEM and a social event ☺

The four ToRs are:

a) Improve model interactions between trophic levels by:

- investigating the importance of spatio-temporal scales for trophic match–mismatch
- assessing human activities effects on ecosystems, including cumulative impacts

b) Improve lower trophic level models by investigating:

- parametrization of functional diversity (community structure, traits) and adaptations
- patterns and drivers of plankton phenology and productivity across models and ecosystems
- benthic-pelagic coupling in models

c) Improve higher trophic level models by investigating:

- effects of connectivity, climate and habitat on emerging species distribution, to support management and fisheries
- key process formulation (mortality, physiological rates...)
- movement algorithms

d) Assessment of model skill evaluation methods by:

- comparison of existing "guidelines" and metrics of skill assessment using existing examples and applying these methods to models used by the group to conclude on the feasibility of the currently existing approaches and identify possible weakness
- investigate uncertainty analysis (structural, parameters, scenarios) including model ensemble

We look forward to meet you!

Best regards,

Solfrid Sætre Hjøllø (IMR, Norway), Sonja van Leuween (NIOZ, the Netherlands) and Marie Maar (Aarhus University, Denmark)