

Invitation to the annual 2020 meeting of the ICES Working Group on Integrated Physical-biological and Ecosystem Modelling (WGIPEM)

Monday, April 20th to Thursday, April 23rd, 2020

Royal Belgian Institute of Natural Sciences (RBINS)
Operational Directorate Natural Environment (OD Nature)
Gulledelle 100, B-1200 BRUSSELS
Belgium



This is an invitation for you to join the second annual WGIPEM meeting of the 3-years phase 2019-2021. We are currently working on the four ToRs, which we hope will inspire the group work and discussions. Solfrid Sætre Hjøllø from IMR, Norway, will be the chair together with Marie Maar from Aarhus University, Denmark and Sonja van Leuween from NIOZ, the Netherlands. For the meeting in April 2020, we are planning to have several interactions with other ICES WG's and to have both scientific presentations and discussions.

We will start Monday at 14h and finish Thursday evening at 16h.

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 weaknesses
- investigate uncertainty analysis (structural, parameters, scenarios) including model ensemble

Please reserve the dates April 20-23 2020 and register to the meeting as soon as possible, and at latest before **1st April 2020** to Solfrid: solfrid.hjollo@hi.no. Please also send titles of your presentation(s) and indicate which ToR they belong to.

Best regards,

Solfrid, Sonja and Marie