

Proposed Terms of Reference for NEMO Scientific Advisory Committee

6 January 2020

Purpose:

Ensure NEMO remains a world-leading ocean model

Role:

Advise the NEMO Steering Committee (NSC), Developers Committee (NDC) and Science Team (NST) on:

- the priorities and opportunities for improving the current NEMO system
- the NEMO strategy and work plans
- participation in international collaborations.

The focus of the advice should be on a 3-5 year period.

Expected ways of working

NEMO scientists will make presentations or provide reports on topics agreed between NDC and SAC chairs. SAC members will provide assessments, feedback and recommendations on these topics and make suggestions for topics for next meeting

Frequency and timing of meetings

- SAC members will be invited to participate in the NEMO Development Strategy (NDS) meetings that are held once every 5-6 years
- One or two meetings will be held in between the NDS meetings

Scope:

The scope includes:

- scientific & technical algorithms
- software engineering methods & practices
- assessments of scientific and technical performance
- interfaces with other systems
- coordination with other groups

In Scope

physical core, sea-ice

physical parametrisations

verification & validation

Out of Scope

bio-geochemistry (?)

data assimilation

user support (?)

Membership

- The NEMO SC with advice from the NDC chair and NST leader will appoint a chair
- A core group of 3-5 experts will be invited by the NSC
- The period of appointments/invitations will be 5-6 years; they may be renewable once.
- Additional members may be invited to specific meetings depending on the agenda items.