

Summary, Actions and agreements from NDC meeting 12 January 2022

Revised: 18 Jan – [inputs from Claire Levy](#)

Revised: 20 Jan – [inputs from Stefania Ciliberti](#)

List of participants

S. Ciliberti (CMCC Officer, NEMO community chapter lead), C. Lévy (Project Manager), M. Bell (Chair, Kernel and V&V WG leader), J. Le Sommer (CNRS Consortium expert and PI IMMERSE), I. Epicoco (HPC WG Leader), P. Mathiot (Land-ice chapter lead), JM. Molines (External expert HPC), M. Vancoppenolle (Sea-ice WG leader), A. Shao (Eddy Closure WG leader), G. Madec (Developer), H. Hewitt (Met-Office Consortium expert) A. Coward (NOC officer), C. Wilson (Eddy Closure WG leader), J. Polton (NEMO community chapter lead), M. Butenschon (CMCC Consortium expert), S. Masson (CNRS Officer), E. O’Dea (Met-Office Officer), D. Iovino (Member of NDCPT), E. Blockley (Sea-ice WG leader), J. Chanut (AGRIF WG Leader), F. Dupont (Tides sub-WG chair), T. Lovato (TOP WG leader), B. Sinha (NOC Consortium expert), J. Staneva (External expert), G. Samson (MOI Officer & ASI WG leader), R. Benschila (CNRS Consortium expert), D. Lea (Data Interface WG leader), F. Lemarié (Kernel leader)

Following the re-organisation of the NDC, David Marshall has stepped down from it.

Important reminder: The NEMO Officers are members of NDC. They may invite other developers (from their institution as well as those they sponsor) as needed depending on the meeting agenda.

Summary

- presentation on NST Annual Report

Claire made a brief presentation. The focus this year has been on:

- 4.2RC merge in June and subsequent validation activities
- 4.0.# releases with amendments mainly to sea-ice
- Transition to gitlab
- Work on halos and tiling
- a neater coding of the vertical coordinates which uses less memory (qco code)
- A new branch with both RK3 and leap-frog time-stepping schemes

- 2022 NST work-plan

- The first 3 months of the year will focus on completing the transition to gitlab; validation & release of v4.2; tidying up of halos **and inclusion of an RK3 branch. This is necessary to start 2022 developments from a clean, up-to-date version. This work must be shared by developers in order to complete it in a short time. No new developments will start until the above work is completed.**
- A proposal to encourage WGLs to propose high priority items for the NST work-plan was agreed. **The details of this proposal are in the slides circulated prior to the meeting. The proposals must be aligned with the NEMO Development Strategy.**
- A proposal for WGLs to discuss summaries of their strategies with the NST was agreed.
- Each NEMO officer summarised the items proposed by their institute for next FY
- Each WGL has an action to review proposed items relevant to their WG for consistency with their strategy and to propose new actions that are top priority for their strategy

- Development Strategy 2023-2027

Highlights of top-level feedback from the SAC were outlined

A revised timetable for completion was agreed

The objectives and sessions of the Strategy workshop were discussed

Workshop provisional dates: 7-10 June and/or 13-17 June

list of decisions

- agree on the proposal for definition of workplan in 2022. We will need to see how well this works. Teams that already have strong links with the NST and a well-developed action list (e.g. HPC team) do not need to propose additional tasks.
- agree on proposal for WGLs presentations to NST meetings.
- agree on the time-table for the revision of the NDS chapters
- agree on the first 2 weeks of June for the Strategy workshop (6 June is a public holiday in France)

pending questions

- format of the workshop for revising the second draft of NDS : lots of comments in the chat were in favour of an online meeting in June.

List of actions

- NDCPT to propose how to discuss the question of how to engage with and encourage contributions from scientists outside the consortium members during the NDS workshop.
- NDCPT to propose an order for the presentation of chapters to NST
- CL to organise the invitation of chapter leads to NST meetings.
- NST to discuss and clarify the distribution of NEMO examples on GitHub vs GitLab (up to now the test cases developed in association with the work plan are stored in the NEMO repository and duplicated on the GitHub dedicated platform (initially set up to allow contributions from the community). With the move to GitLab, we should be able to avoid this duplication)
- WGLs to comment on items proposed by the NST for the workplan by 11 Feb.
- Some WGLs to propose additional items for the workplan in line with their NDS chapter by 11 Feb
- NDCPT to discuss 2022 work-plan to NSC meeting on 14 Feb
- NDCPT to finalise 2022 workplan for NSC sign-off by 25 Feb.
- SM to refine the description of CNRS actions and NST members involved by 14 Jan
- GS to share the detailed table describing MOI actions with CL
- NDCPT to review chapters by the end of Jan
- WGL to update the draft by end of April
- All to let MB know if June 7-10 and June 13-17 would not be ok for them.
- NDCPT to propose a way to prepare high level summary of the chapters by end of Jan