



A Consortium for COnvection-scale modelling  
Research and Development

**PM slides on-the-fly for Assembly-4**

7 July 2022 on-line Assembly meeting

## 3.1 Changes in PAC or STAC rep., LTMs(, MG)

- the Assembly is invited to approve,
  - Rune Carbuhn Andersen as LTM for Denmark (in replacement of Bent Hansen Sass, upon proposal by DMI),
  - Maria Derkova as LTM for Slovakia (in replacement of Jozef Vivoda, upon proposal by SMHU),
  - Jelena Borajova as LTM for Sweden (in replacement of Susanna Hagelin, upon proposal by SMHI).
  - François Bouyssel as vice-chair of STAC (in replacement of Christine Lac, upon proposal by Météo-France)

## 3.2 presentation by the Latvian invited participant

- talk by Dr Andris Viksna from LEGMC
- followed by questions from the Assembly Members
- then Assembly-only discussion on the proposal

## 3.2 Interest by Latvia to become an observer in ACCORD

- PAC recommended inviting LEGMC to the Assembly in order for them to present their expectations and their ambitions
- an observer can be permanently invited to the ACCORD Assembly when a cooperation agreement is in place
- PAC recommended the Assembly to consider task PM with the help of some ACCORD Members to engage in the discussion with LEGMC about the best way to cooperate with them
- the Assembly is invited to discuss and agree on the next steps,
  - **mandate the PM to engage in the discussion with LEGMC about the best way to cooperate with them;**
  - **invite ACCORD members to express their interest in providing support to the cooperation discussions.**

## 3.3 Collaboration with COSMO

- the background for this item was the possible involvement of COSMO Members in the ACCORD-based bid proposal for Destination Earth
- this participation did not materialize (for phase 1)
- the question of whether and/or how to foster some more collaboration was then left open to ACCORD
- as an outcome of discussions between the two PMs, and at the ACCORD ASW, the proposals are along two lines:
  - increase the exchange of scientific results on topics of common interest,
  - the two PMs will keep each other informed about meetings of common interest, and continue to consider cross-invitations to their respective ASW
- the C-SRNWP programme provides a framework for cross-consortium collaboration as well, which should be maintained in the next phase of Eumetnet

# 4.1 Modernization of working practices (“how we will work together for new code releases”)

- the status of progress and plans regarding tools and procedures was reviewed at last STAC
- specific policy-related questions were presented by the PM in the previous Assembly meeting:
  - pricing: ACCORD can go for a **free-plan solution** (for the time being)
  - code policy (security of access and confidentiality): **no issues** were raised by any of our partners (incl. ECMWF)
  - manpower:
    - the main component of the new working environment will be the “ACCORD forge”. Its main administration will be done by the IL with the SysAL,
    - another important tool will be the technical testing tools “DAVAĬ”: **the proposal is to progressively form a small team of “DAVAĬ-contributors”**, in support of IL a SysAL,
    - the DAVAĬ-contributors team should be composed by about 5 staff, 0.1 FTE each, with both some experienced people and some newcomers,
    - if approved by the Assembly, the PM and IL/SysAL would progressively look for appropriate and volunteering staff to enter this team (in close liaison with the CSC-Leaders and the LTMs)

# 4.1 Modernization of working practices

- recommendations by STAC:
  - STAC acknowledges the progress made so far and recommends to continue establishing methodologies and tools based on the current choices.
  - STAC supports and encourages the MG, especially PM+IL+Sys AL, to analyse the needs for dedicated, expert staffing to help setting up the new methods and maintaining the tools (“support team”).
  - STAC recommends the Members to consider staff contribution to the support team activity.
  - additional suggestions:
    - make clear DAVAĪ is for technical testing (not for MQA),
    - well explain the teams how code contributions will be handled in the integration process,
    - advertise largely the training planned this autumn

## 4.2 Code adaptation (“how the codes will evolve w/r to new HPC architectures”)

- significant efforts by the SPTR AL in order to increase and ***maintain a high level of communication across the various partners*** (ECMWF, MF, Meso-NH team)
- ***staffing of (physics) code refactoring effort within the CSC teams has been confirmed***; the concrete work plans for these teams has started to be discussed very recently, pending on input by specific experts (from Arpege, from MesoNH)
- work has started on spectral transforms, on source-to-source (s2s) transformation tools
- next steps include further work on the spectral transforms, start refactoring of specific parts of the physics, continue to evaluate the s2s tools
- some of the refactoring choices (and thus, tasks) remain open to exploring solutions
- ***the link with DEODE WP2 was analyzed***, and a very large overlap of objectives was confirmed



## 4.2 Code adaptation

- STAC recommended:
  - to support the work plan proposal.
  - to encourage the inclusive approach w/t to all 3 CSCs.
  - the ACCORD members to secure staffing for the priority topics of SPTR, especially in case DEODE is not funded.
  - to continue the enhanced communication and collaboration across the CSC teams in ACCORD.

## 4. Decisions for the Assembly

- the Assembly is invited to comment, and
- to approve the progress and plans on working practices and code adaptation
- On the modernization of working practices: the Assembly is invited to:
  - agree on the principle to form a “DAVAI-contributors” support team
  - task PM+MG to confirm the required manpower and start looking out for volunteers
  - note that the PM would provide feedback at the next Assembly
- On code adaptation, the Assembly is invited to:
  - encourage Members to secure staffing, especially should DEODE not be funded

## 5. DEODE recent steps

- PAC discussed DE in its meeting on 27 April, and formulated 5 recommendations:
  - a. PAC agrees with the analysis on IPR.
  - b. PAC recommends the ACCORD members to approve the licensing of the codes to DestinE, under the *proposed provisions for the licensing of the codes*:
    - *the ACCORD codes will be provided to DestinE under licence, exclusively for the purpose and the duration of the DestinE program;*
    - *a registry of the pre-existing codes, with background IPRs, will be provided to ECMWF before contract signing. The existence and a description of these codes will be provided with the submission of the offer;*
    - *the possibility for the ACCORD Members in DestinE to be fully assigned back IPRs laying with improved background IPRs will be discussed with ECMWF during the negotiation steps, should the ACCORD-based offer become the “preferred bid”;*
    - *The bidding consortium will inform ECMWF that the extended sub-licensing scheme enabling all ACCORD Members to access and use the DestinE Results will be asked during the project phase (this is with respect to Members who are neither EU Members, nor ECMWF Member or Cooperating States).*
  - c. PAC recommends the Assembly to check the contract before signature, with paying special attention to IPR and the possibility for the ACCORD Members to be fully assigned back IPR of the modified codes, before finally approving the licensing.
  - d. PAC recommends that DEODE provides, in an annex of the offer, a provisional list of ACCORD codes that come with background IPR (based on the Annex VIII of the ACCORD MoU).
  - e. PAC has taken notice of the form of the voting procedure, in electronic form given the tight timeline of the DestinE ITT. PAC supports the form of the question to be sent to the ACCORD Members and the voting procedure.
- recommendations a, b, d, e have been taken into account by PM and Bureau
- the voting for licensing the ACCORD codes was positive, pending on confirmation about the conditions in the contract
- ECMWF confirmed DEODE is the preferred bidder (25 June)

## 5. DEODE next steps

- timing of DEODE negotiation and contract preparation, and ACCORD steps:
  - 1-12 July: informal exchanges
  - 5 July: ECMWF and DEODE have started discussions for clarifying their respective questions. These discussions include IPR and licensing, and they will be continued in the upcoming ECMWF/DEODE exchanges (*the ACCORD/PM was invited to join the first meeting*)
  - 22 July: main negotiation phase completed
  - *the PM will send relevant information on IPR & licensing to the Bureau*
  - until 18 August: contract preparation
  - *the Bureau would meet on 22 or 23 August to review contract, then prepare information for Assembly Members*
  - contract signature is expected by 31 August
- options for the Assembly on how to proceed:
  - A] confirm licensing of the codes in this Assembly meeting today
  - B] confirm licensing after the analysis by the Bureau
- note: the open recommendation by PAC is *“the Assembly to check the contract before signature, with paying special attention to IPR and the possibility for the ACCORD Members to be fully assigned back IPR of the modified codes, before finally approving the licensing”*

## 5. DEODE impacts on ACCORD

- once the DEODE project starts, some of its activity will benefit to ACCORD. This raises the question of how to account for the DEODE-funded manpower in the ACCORD RWP, as well as in the CMR (in link with voting rights).
- Roger Randriamampianina is expected to become full time Lead Scientist in DEODE. He would then have to resign from his position as DA/AL in ACCORD
- decisions for the Assembly:
  - confirm the licensing today, or agree on the next steps (via the Bureau)
  - agree to convene PAC in order to discuss how to account for DEODE-funded manpower in ACCORD
  - agree to give the Bureau a mandate for opening the DA/AL position, and work out the needed steps for recruiting a new DA/AL

## 6. Events

- **Assembly on 7 July [today]**
- Bureau meeting in week 22-26 August to discuss the IPR/Licensing aspects as formulated in the contract
- (extraordinary Assembly meeting?)
- PAC in autumn to discuss how to account for DEODE-funded manpower in ACCORD (if decided)
- STAC on 3-4 November
- Assembly-5 in two half-day format (afternoon followed by next morning),
  - either in-person in the premises of Eumetsat on 7-8 December,
  - or on-line on 8-9 December
- Assembly-6 in end of June - beginning of July 2023: possibly in week 26-30 June ? on-line ?
- the Assembly is invited to agree on convening PAC
- the Assembly is invited to decide on the format and dates of its next meeting(s)