



A Consortium for CONvection-scale modelling  
Research and Development

## 16<sup>th</sup> ACCORD LTM meeting

Tuesday 23 Sept 2025,  
16h30 - 17h30 CEST  
Norrköping & online

### Minutes

In Norrköping - Remotely

Excused/represented

Absent

Country	NMS	LTM	representative
ALGERIA	ONM	Mohamed Mokhtari	
AUSTRIA	GeoSphere Austria	Stefan Schneider	
BELGIUM	RMI	Alex Deckmyn	
BULGARIA	NIMH	Boryana Tsenova	
CROATIA	DHMZ	Endi Keresturi	
CZECH REP	CHMI	Radmila Brožková	Petra Smolikova
DENMARK	DMI	Tommaso Benacchio	Julia Sommer
ESTONIA	ESTE A	Alina Lerner-Vilu	
FINLAND	FMI	Reima Eresmaa	
FRANCE	MF	Cécile Loo	
HUNGARY	HMS	Gabriella Szépszó	
ICELAND	IMO	Guðrún Nína Petersen	Kristinn Guðnason
IRELAND	Met Eireann	Saji Varghese	
LITHUANIA	LHMS	Rimvydas Jasinskas	
MOROCCO	DGM	Siham Sbi	Zahra Sahlaoui
NETHERLANDS	KNMI	Wim de Rooij	
NORWAY	MET Norway	Jørn Kristiansen (from 16:50 to 17:05)	
POLAND	IMGW-PIB	Bogdan Bochenek	Piotr Sekuła
PORTUGAL	IPMA	Maria Monteiro	
ROMANIA	NMA	Alexandra Craciun	Mihail Oprea
SLOVAKIA	SHMU	Andre Simon	
SLOVENIA	ARSO	Jure Cedilnik	
SPAIN	AEMET	Javier Calvo	

SWEDEN	SMHI	Jelena Bojarova	
TUNISIA	INM	Wafa Khalfaoui	
TÜRKIYE	TSMS	Yelis Cengiz	Zeynep Feriha Ünal Dinç

Claude Fischer (PM), Anne-Lise Dhomps (CSS)

## Opening and adoption of agenda (CNA)

Claude opened the meeting with 19 participants in the room and 14 participants online. He reminded that Mariska has left her position at SHMU, so he will be co-chairing the session with Anne-Lise.

0	Opening and adoption of agenda	PM
1	Introduction of new LTMs	PM
2	Information from CSS/ST	CSS
	<i>RWP2025 - DAP2025 follow-up</i>	
	<i>RWP2026 - DAP2026, timeline for LTMs</i>	
	<i>List of operational configurations</i>	
3	Transition phase 1 to phase 2	PM
	<i>Management positions: remind the open Calls (AL, DO, CNA)</i>	
	<i>MoU-2 signing process</i>	
4	Use of FFT992	PM
5	All Staff Workshop 2026 and beyond	CSS
6	A.O.B.	PM
7	Next meeting(s) & closure	PM

The agenda is unanimously adopted without any other point or AOB added to the agenda.

### 1. Introduction of new LTMs (CNA)

Claude welcomed Julia Sommer for DMI, to replace Rune beside Tommaso, Andre Simon from SHMU and Endi Keresturi from DHMZ.

Then Claude gave the floor to Anne-Lise.

### 2. Info by CSS

Anne-Lise presented a few updates on the DAP, the RWP2026, the annual contributions of each NMS and on the follow-up of the operational configurations in the ACCORD web pages.

## RWP2025/DAP 2025 follow-up

- The reporting of 2025Q2 is over
- Please use the “ACCORD\_DAP2025\_follow-up” file to keep Anne-Lise informed of the realisation of actions.
- Remember that a scientific report is expected after each visit, more preferably as a newsletter article.

Anne-Lise emphasized that you have to send her the report or the link to the report.

## RWP2026 - action, timeline for LTMs

End of August: RWP2026 content ready  
Ongoing: Commitments by LTMs  
DAP2026-List1 form open  
4-5 November: Submission to STAC  
1-2 December: Submission to Assembly

Anne-Lise pointed out that many commitments are still missing and that the deadline is in one week's time.

About the DAP2026 form, she reminded that even for visits and WW in the second part of the year, LTMs should use the form for DAP-List1. The form is not only for visits in the first part of the year, but for any proposal which has been thought through enough. The MG will study the proposals in October. She invited LTMs present in Norrköping to use the opportunity to discuss with the MG people the RWP2026 as well as the possibility of making commitments and planning visits on priority topics for next year.

Anne-Lise reminded that the priority topics had been shared on the specific sheet “Priorities” of the RWP2026 file. Claude commented a little more on the set of priority topics identified by the MG:

**CRA:** Code refactoring: focus on the “diagnostic part” of the forecast model (IO, DDH, FullPos). Develop testing and integration facilities.

**DY:** Vertical finite elements (Non-hydrostatic). Insufficient manpower on new FVM task.

**SY/COM:** The move toward Continuous Integration (CI).

**COM:** The transfer of knowledge (DAVAĭ and other tools). Making scientific documentation of the code

**SY:** The tasks for implementing the common scripting roadmap.

**DA:** Local installation of OOPS. Processing MTG data locally (IRS etc.).

**SU:** WW dedicated to how to progress with OOPS for surface data assimilation.

**MQA:** Inter-comparison of data driven models with physics-based models. Building of the MQA-Infrastructure. Use the common scripting for using harp locally.

**PH:** Proper evaluation/setups of existing parameterizations (shallow-convection, turbulence, microphysics and CAR). Process-oriented model validation across the WPs (link to MQA priority).

**EPS:** Continue development and validation of stochastic parameter perturbations (SPP). Test the use of URANIE for selection and tuning of parameter perturbations.

More details are in the [RWP2026](#) sheet: [RWP2026 Priority per Area](#) sheet

**Saji:** *How are the priorities presented ? Is it a list of activities with different levels of priority (low, intermediate, high) ?*

**Claude:** *It is the first year that priorities have been set so explicitly, and the list LTMs see in the sheet is with no additional level of importance. Please consider all topics with an equal importance.*

*If assigning priorities in this way works well, we'll continue to go into this direction with the new management group.*

Claude gave back the floor to Anne-Lise about the following-up of operational configurations in the web page.

#### List of operational configurations

Anne-Lise reminded that in ACCORD operational configurations are monitored, listed and illustrated on the ACCORD website:

<https://www.accord-nwp.org/> CONFIGURATIONS / Operational configurations.

The webpage is indeed regularly consulted, so it is important to have updated information.

As requested on the [Information4LTM](#) file, LTMs are supposed to inform the CSS of any changes.

During the last LTM meeting, LTMs were asked to check and to complete the table on the sheet "[Operational configurations](#)" of the [Information4LTM](#) file (tick in column Q-R-S). It is possible to add a line if it is needed (new configuration).

The deadline is now over however many configurations haven't been checked. Anne-Lise gave everyone an extra-week to check them out.

**Gabriella:** *What about EPS configurations ? Should we list them as well ?*

**Claude:** *Yes we should list them. But there may be some work to do on the web page itself so that EPS configs can be described in a relevant way. I therefore suggest that we'll wait to have our next CNA before addressing this matter.*

**Wim:** *There are still institute names in the table, but some of us now just have UWC-west. So what do we do with our respective lines ?*

**Anne-Lise:** *You can check that they are not used anymore, then let me know and I'll remove them from the list.*

**Claude:** *I'll check the configurations with the new UWC PM.*

**Maria:** *Not a completely related question, but on the SNRWP website there are broken links to the ACCORD pages.*

**Claude:** *We are aware of it. As presented by Christoph, C-SNRWP has just hired Vanessa Schlidt to be the new coordinating person for the SRNWP-EPS module and for the C-SRNWP module. During the next few months, the C-SNRWP website should be updated.*

Anne-Lise gave back the floor to Claude to address transition phase1 to phase 2 topics.

### 3. Transition phase 1 to phase 2

Claude started by reminding the decisions took by the last ACCORD Assembly meeting on 7 July - Decisions:

- Approved to start the signing process of MoU2
- Nomination on management positions:
  - CSC-Leaders: Eric Bazile (Arome), Martina Tudor (Alaro)
  - Harmonie-Arome => 9 October
  - Anne-Lise Dhomps (CSS) and Alexandre Mary (Integration Leader)
- Open Calls for application with **DL on 7 October**
  - Area Leaders: almost no candidates yet. *Claude reminded the essential role that the Area Leaders play in the organization of the R&D activity (foster interoperability, encourage transversal activities, define priority tasks, leading role in the definition of the RWP and in the content of the DAP), a role which should not decrease in phase 2 of ACCORD.*
  - Documentation Officer
  - Coordinator for Networking Activities

Ongoing and next steps.

Claude presented the next steps of the transitions :

- Assembly meeting on 9 October
- Management positions (pending decisions of the A/A on 9/10)
  - CSC-Leaders: future UWC/PM (Harmonie-Arome)
  - Area Leaders, Doc Officer, CNA:
    - Agree to start the interviews
    - Discuss how to proceed in view of possibly missing candidacies
- Budget: for approval,
  - financial mechanism
  - budget scenario for the whole time span of phase 2
  - the exact amount of the 2026 contribution will be discussed on the 1-2 December

**Jelena:** *About the budget, is there any specific issue ? Do you need help with this topic ?*

**Claude:** *Nothing is required from LTMs so far. We had discussion about the budget during the last Assembly meeting on 7 July.*

*A number of scenarios and trajectories were presented.*

*Directors were mostly in favor of supporting a small rise in contributions from 11k€ to 13k€ with an explicit trajectory and a step wise approach. The increase would support the rise of some compensations from the table "compensation fees for missions", and some more scientific visits and WW.*

**Jelena:** And what about the common infrastructure ?

**Claude:** In the financial mechanism, we should be able to keep the surplus from phase 1 to phase 2. Hence, so far it is mostly considered to use the surplus if an infrastructure is needed on a pay-plan. The costs should however lead to reasonable infrastructure fees for the Members, ideally lying within the range of the budget trajectory. We would certainly have to favor free-plan solutions when it is possible.

### MoU2 signing process

Claude reminded that the A/A on 7 July approved the final content of the MoU and to start the signing process.

- The goal is to have collected all signatures by mid-November and be able to exhibit the fully signed MoU at the A/A meeting of 1-2 December.
- The PM+CSS might reach out to the one or other LTM for him/her to check the status of the signing process at their institute.

The goal is to have collected **all signatures by 14 November 2025**. 20 signatures have been collected so far.

### headlines of timeline regarding the management positions

Claude summarized the progress on the filling of the management positions along the lines of the overall timing until the end of 2025.

- **A/A 1-2 December 2025:** Approval of all other management positions; Nomination of LTMs (per institute)
- in the end of October and in the first half of November: Interview the AL - DO - CNA candidates
- in October-November, each Member will be asked **to confirm the name of its LTM**
- **A/A 9 October:** Budget aspects - Approve the financial mechanism and the budget scenario; Discuss any pending issue (nomination of 1 CSC Leader, status of received applications, status of signing the MoU2)
- July 2025: Call for applications to the other management positions (DL for receiving answers: **Tuesday 7 October 2025**)
- **A/A 7 July:** Approve nomination of CSC-Leaders; Approve the structure of the MG (the list of Area Leaders); Discuss the management positions which require a Call for application; Discuss other management positions and approve the first nominations
- May-June: preparation of the definitions of the Area Leader functions (Working Group)
- **May 2025:** Procedure for nominating the CSC-Leaders is organized within each list of "CSC institutes"
- **A/A 13 May:** **Nominate the PM for phase 2**
- 2nd half of April or in the beginning of May: interviews of the PM candidates
- **March-April 2025:** Consultation for the CSC Leaders (facilitated by the PM+CSS if

needed)

- **A/A 10 March 2025:** Approve the procedure for listing the “CSC institutes” & Approve each list of “CSC institutes” (each list then agrees on how it organizes the selection of the corresponding CSC-Leader);
- December 2024: Call for application for the PM position (DL of receiving answers: Friday 4 April 2025); **DONE ON 20 JANUARY 2025**
- **A/A 9 December 2024:** Discuss the procedure and the timeline, as well as the Selection Panel and the Call of application for the PM position; **provided the A/A approved the scientific strategy with no reserve (item 10) => APPROVED**

Claude emphasized that the directors will have to confirm the name of their LTMs by the 11th Assembly meeting 1-2 December 2025.

#### 4. Use of FFT992

Claude explained that the code interface to FFT992 in ectrans will be modified by ECMWF between CY50T1/R1 and CY51T1/R1, and specified that:

- These changes potentially impact those partners who are still using FFT992 in some of their model configurations
- The aim is to identify these partners and share the list with MF and with ECMWF
- The PM+CSS have prepared a [\[survey sheet\]](#) which LTMs (or a tasked expert from their team) should use to indicate whether “yes/no” any of their application is concerned

Claude emphasized that the survey file contains an explanation on how to check the use of FFT992 and pointed out that in general, the use of an FFTW-compatible transform library is recommended (existing on the local HPC or to be installed locally).

**Petra:** *At CHMI, we are the only ones in ACCORD using a vector engine based machine. Our tests show that FFTW is slower on our HPC than FFT992. So for us it is very important to have working FFT992 even with the new interface.*

**Saji:** *When will the change occur ?*

**Claude:** *Probably with the CY51, in 2026.*

**Cécile:** *ECMWF has an ongoing license with MIT until 2031. We are a third party and we know that ECMWF won't renew the license.*

**Claude** added that the ECMWF-MIT license includes the possibility for ECMWF to re-distribute the code to third-parties. Otherwise the MIT FFTW code is under GPL license.

**Claude** then commented about the meaning of licensing under GPL. There is no restriction for a user to download a code under GPL license and use the code inside a local application (including research and operational use, including adding this code into a larger software to create a new software and/or application). The point important to take into account is that, whenever a user re-distributes its own software which includes a GPL-licensed component, then this user **has no other choice than to distribute its own software under the same GPL license.**

*Translated into the case of IFS-Arpege-LAM (IAL) and FFTW, neither ECMWF nor MF nor any ACCORD partner should distribute the GPL-licensed FFTW code to any other partner (inside or outside the ECMWF/MF/ACCORD collaboration) in any association with the IAL codes. Otherwise the IAL codes would cease to be proprietary codes, and any external institution could claim that we should make the whole NWP codes available under GPL. This particular "inheritance of licensing" is sometimes referred to as "contamination" (in legal wording, "non permissive" would be more appropriate).*

*Using any locally installed, HPC/vendor-related FFTW-compatible library is possible.*

## 5. All Staff Workshop 2026

Claude reminded the dates and locations of next ASWs:

- 2026: on the invitation of DGM (Morocco) in Marrakech from 13 to 17 April included; the practical information set is expected to be ready by the beginning of November
- 2027: Météo-France in Toulouse (CIC)
- 2028: DHMZ (Croatia)

## 6. AOB

**Petra:** *The refactoring of the codes is not without consequences on the CPU time usage and even more important on the memory usage. We experience that in the export version of CY48t3 which needs about 10-15% more memory than the export version of CY46t1. It does not correspond to what was said in the past and it is fair to let the partners know that refactoring has and probably will have this impact. Moreover, some bugfixes are needed in the export of CY48t3 which we would like to collect and make them available for partners.*

Regarding the impact of the refactoring, Claude acknowledged the fact and emphasized that efforts are made in communication, tutorials and support, and will continue in order to have the modernization of the codes as smooth as possible.

**Radmila:** *(connected remotely) The impact is very bad for scientific developers.*

- *It's difficult to follow the changes due to the refactoring;*
- *In the export version for CY48 (CY48T3), we notice a significant increase in memory needs. We could trace back part of it (about 20-25%) to the adiabatic model and we believe this is due to the refactoring;*
- *In addition, from CY46 to CY48, we also see an increase in memory due to SURFEX;*
- *We were told that this increase of memory is due to a bug in SURFEX, presumably linked with mishandling of the NPROMA blocking factor and uninitialized pointers in the SURFEX setup. A high priority should be given to further addressing this problem and fixing it;*
- *The increase of memory consumption is in general a problem for teams having small systems, since the only way to handle this when the limit of memory per node is reached is by increasing the number of nodes. For CY48, we did not find the DAVAĀ outputs for comparing. In general, memory consumption should be monitored*

*regularly.*

Claude said that the point was taken and that he will approach the CSC leaders and other MG members to discuss the issue of memory consumption and its monitoring, as well as to address the issues noted with SURFEX in CY48.

## 7. Next meetings and closure

- 2025 last LTM meeting in the week 8-12 December
  - status regarding the nomination of the new MG members
  - status of DAP2026 list 1 and timing of list 2
- In the week X-Y February 2026 (to be confirmed):
  - introduction of new CNA; address any other pending topic in coordination with the new CNA
- Besides the ASW 2026 (Monday 13 April tbc)

Claude summarized the actions from this meeting:

- LTMs to check and update the information on their operational configurations on the ACCORD webpages
- LTMs to check the use of FFT992 in their applications
- Claude to organize a discussion with CSC-Leaders/MG on the monitoring of memory consumption in new code versions and on the use of SURFEX in CY48 (bugfixes)

He then closed the meeting at about 18:00 and apologized that the meeting ran overtime.