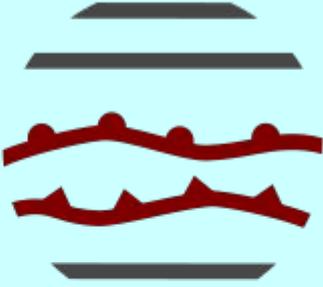


ACCORD

The logo for ACCORD features the letters 'A', 'C', 'C', and 'R' in a dark red, sans-serif font. The letter 'O' is replaced by a stylized icon of a hamburger, with two grey horizontal lines representing the top and bottom buns, and a red wavy line with small dots representing the filling.

A Consortium for COnvection-scale modelling
Research and Development

ACCORD consortium presentation

C. Fischer, PM, with input by A.-L. Dhomp (CSS) & Jana Sanchez (Doc Officer)
46th EWGLAM and 31st SRNWP Meeting, Prague, Czech Republic

Governance level

- PAC
 - 10 October 2023 & 11 June 2024, discussed a strategic view about expanding international collaboration with the ACCORD common codes
- STAC
 - 25-26 October 2023, 5 June & 5 September 2024
 - evaluated the 2023 realizations (scientific reporting and manpower), the RWP2024 and the committed manpower
 - involved in the preparation of the scientific strategy for the next phase (orientations, then reviewing and recommendations)
- The ACCORD Assembly
 - on 4 December, approved the 2023 reporting, the RWP2024, discussed orientations for the scientific strategy (including ML), international collaborations (membership)
 - on 3 July, confirmed the nomination of the Documentation Officer, discussed membership (Indonesian NHMS), the status of preparation of the 2026-2030 scientific strategy and the preparation of the next MoU (MoU2)

Minutes from all meetings are available publicly on the ACCORD website at <http://www.accord-nwp.org/>

Membership

- Latvia

Signed a cooperation agreement to become an observer in ACCORD from 1/1/2024 on.



- Indonesia



The Indonesian NHMS expressed interest in joining ACCORD as an ASSOCIATE member. The ACCORD Assembly decided to postpone any decision to until the next phase of the consortium.

Management Group and Support Team

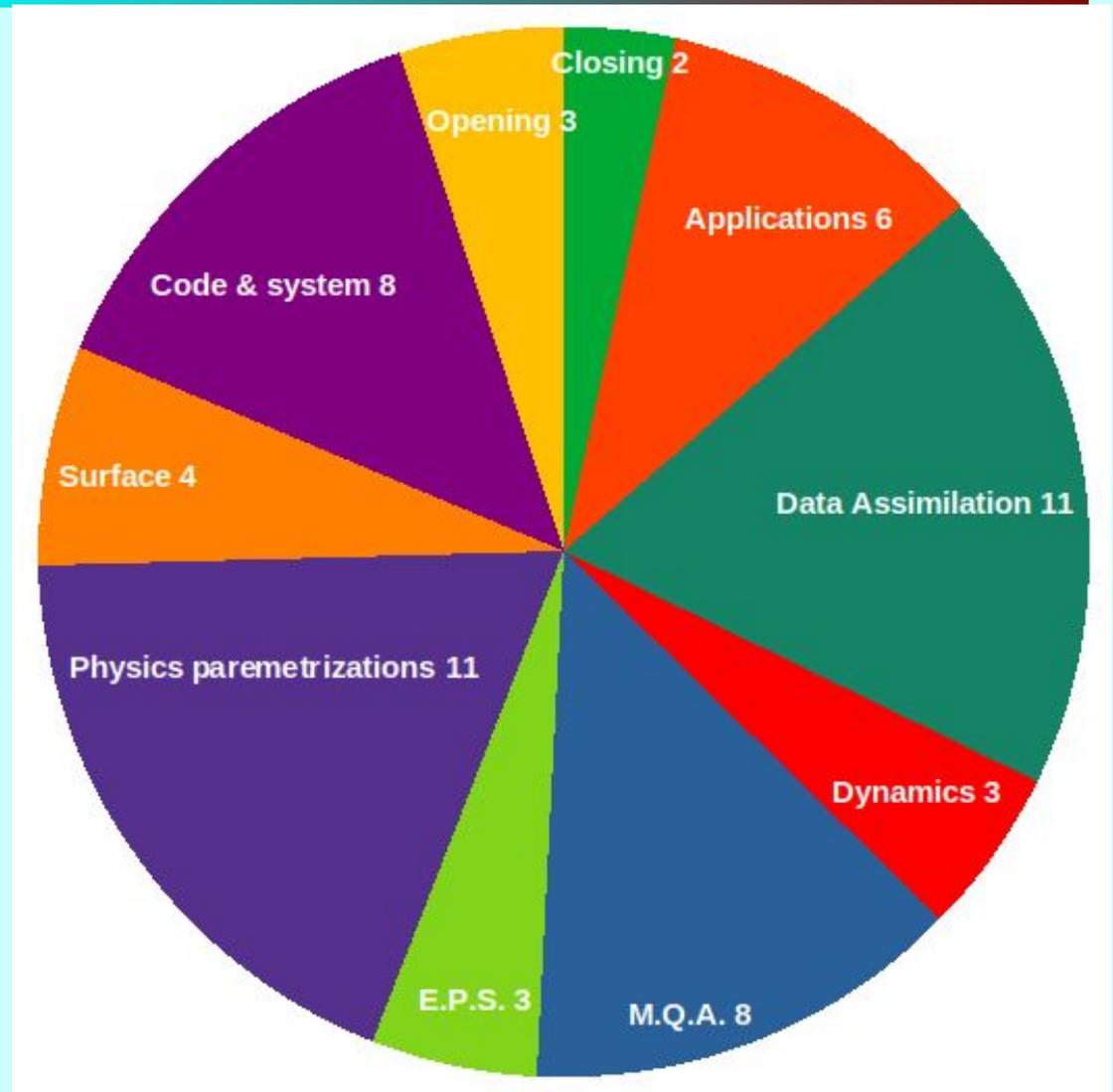
- Management Group (currently 15 persons from 8 ACCORD Institutes)
- MG tasks:
 - makes the yearly **Rolling Work Plan** (RWP) and **Detailed Action Plan** (DAP)
 - organizes the related activities with the help of other key experts: Working Weeks, Scientific Visits
 - discusses transversal issues and organizational matters
 - participates actively in the preparation of the scientific strategy for the next phase
- Support Team:
 - Consortium Scientific Secretary - Anne-Lise Dhomps (MF)
 - Documentation Officer - Jana Sanchez (AEMET)
 - Coordinator for Networking Activities - Maria Derkova (SHMU)
 - Coordinator for DA “starting teams” (aka DAsKIT) - Maria Monteiro (IPMA)
- Points of Contact in each Institute: Local Team Managers (manpower commitments and reporting)

All Staff Workshop, SMHI, 15-19 April 2024



All Staff Workshop 2024 practical feedback

- 223 registered participants
 - 122 remotely
 - in addition 27 remote participants who just popped up without registering
 - 101 on site
 - 15 invitation letters
- 65 - 85 remote participants during the sessions
- 8 sessions + opening/closing sessions + 5 side-meetings
- 59 presentations
- 80 speakers including 23 poster presenters



Documentation: definitions to help frame the effort on doc.

5 levels of documentation:

- 1) Scientific papers, Newsletter articles, Internal notes with scientific or technical description of a new feature, peer-reviewed papers.
- 2) User's guides, Tutorials, How To's.
- 3) Code related Documentation (close to the codes, close to the PRs).
- 4) Meteorological Validation
- 5) Reports of WW, Meetings and ACCORD Stays

Documentation Officer: First steps

- Jana Sanchez from AEMET
- Make an inventory of each part of documentation. What do we have, where is it hosted and with what level of accessibility. Analyze which are the gaps and where the highest needs/priorities are.
 - **Organizing documentation across the NWP collaboration and sharing a common referencing with ECMWF, Météo-France and the other ACCORD families (eg LACE, Hirlam/UWC)**
- Investigate what the appropriate place for hosting the ACCORD Code Documentation could be. GitHub Wiki?
- Elaborate templates and guidelines for developers for documentation.
- Investigate what an appropriate tool for communication for ACCORD could be: general structure and divided by Teams, functionalities, prototyping.
- Some reorganization of the ACCORD Web Pages and WIKI (to adapt to new working practices on documentation) ?

ACCORD scientific strategy for the next phase

- ACCORD next phase should cover 2026-2030, with a new strategy
- Strategy workshop
 - 21-24 May in Toulouse
 - 25 participants
 - very intense and productive days, high level of motivation and involvement by the participants
 - **a draft strategy document has been produced and submitted to STAC**
 - the drafting team has been defined out of these participants
- Reviewing mode with the ACCORD STAC:
 - Points of attention: ***resources, relevance of our physics-based VHR models in the next years, AI/ML for NWP, common scripting system***
 - The common scripting system issue required additional consultation in STAC and discussion in the ACCORD Bureau

where we are now in the completed timeline

- STAC+MG to address the high-level questions, propose choices or answers, provide guidelines => **STAC-6 on 25-26 October 2023**
- **Assembly-7 on 4 December**: assess the outcome on the high-level questions, give orientations, discuss and decide on the next steps
- Task Teams (TT) are formed and work during the winter, using the outcome of STAC+MG and Assembly as strong guidance. The material from the TT is an input for the strategy workshop => **TT output ready for the beginning of May 2024**
- **A strategy workshop meets on 21-24 May**, participation is on invitation only. The outcome of the workshop is an input for the strategy drafting team (formed from the workshop)
- **STAC (on 5 June 2024) and the Assembly (on 3 July 2024)** are presented with a progress report and the organization of the (final) drafting steps
- STAC reviews the draft strategy proposal during the summer (August-September)
- **STAC (on 5 Sept)** discusses the outcome of the reviewing, and makes recommendations for the drafting team
- **The strategy drafting team works during the autumn 2024 => revised strategy document ready for mid-October 2024, to be resubmitted to STAC**
- **STAC (6-7 Nov) makes final recommendations for the Assembly**
- **The end of 2024 Assembly (on 9 Dec) approves the final version of the strategy**

Preparation of the Memorandum of Understanding to cover 2026-2030

The next MoU (MoU2) will be drafted from an updated version of MoU1 (ie including changes approved by the ACCORD Assembly during phase 1).

A Working Group will be formed in order to analyze the MoU1, make proposals for changes and raise open questions (for the Members).

The MoU2-WG outcome will be addressed by the ACCORD Assembly during autumn-winter-spring (2024-2025). Extraordinary Assembly meetings will be planned for this purpose.

The goal is to be ready to sign in June-July 2025.

The start of phase 2 is expected to be 1 January 2026.

Destination Earth DE_330

- The goal is to develop an On-demand Extreme Event Digital Twin, interfaced with the global digital twin (ECMWF), the data lakes (EUMETSAT) and the core service platform (ESA)
- The system will use modern HPC facilities from the EuroHPC Joint Undertaking
- An ACCORD-based offer has been chosen by ECMWF in September 2021. 22 out of 26 ACCORD NHMSs are involved.
- Météo-France is the Prime Contractor with ECMWF (Elisabeth Gérard, MF); the scientific and technical leadership is shared with other ACCORD Members
 - Roger Radriamampianina (Met.no), Kristian Pagh Nielsen (DMI)
 - WP leaders from the various institutes
- Phase 1: Make a prototype demonstrating the proof-of-concept of the on-demand digital twin (1/09/22 - 30/04/24)
- Phase 2: Start the operationalisation of the digital twin components (1/05/24 - 30/04/26)



Funded by
the European Union

Destination Earth implemented by



C. Fischer, ACCORD PM, 46th EWGLAM and 31st SRNWP Meeting, Prague, CZ

ACC RD
A Consortium for CONvection-scale modelling
Research and Development

děkuji za pozornost

- thank you for your attention

Management Group (composition)

Management Group Chaired by PM



Area Leaders



Dynamics:
Ludovic Auger (Fr)



Surface: **Patrick Samuelsson (Se)**



Meteorological QA:
Carl Fortelius (Fi)



E.P.S.: **Henrik Feddersen (Dk)**



System: **Daniel Santos (Dk)**



Data Assimilation:
Benedikt Strajnar (Si)



Physics: **Metodija Shapkalijevski (Se)**



Transversal activities:
Piet Termonia & Daan Degrauwe (Be)



Integration Leader
Alexandre Mary (Fr)



CSC Leaders



CSC Arome:
Eric Bazile (Fr)



CSC Alaro:
Martina Tudor (Hr)



CSC Harmonie-Arome:
Jeanette Onvlee (NL)

DestinE (DE_330) Phase 2

Entities involved in DE_330

22 out of 26 ACCORD entities involved in DE_330
Missing: Algeria, Morocco, Tunisia, Turkey

Legend

- Countries involved (EU and/or DEP)
- ACCORD entities
- Non-ACCORD entities
- Other EU countries

1	Météo-France	FR
2	Met Norway	NO
3	DMI	DK
4	KMI-IRM	BE
5	GeoSphere Austria	AT
6	FMI	FI
7	SMHI	SE
8	Met Éireann	IE
9	AEMET	ES
10	CHMI	CZ
11	DHMZ	HR
12	IMO	IS
13	KNMI	NL
14	OMSZ	HU
15	LEGMC	LV
16	LHMS	LT
17	ESTE	EE
18	ARSO	SI
19	IPMA	PT
20	TalTech	EE
21	RIVM	NL
22	NIMH	BG
23	CSC	FI
24	BSC	ES
25	SHMU	SK
26	INRAE	FR
27	IMGW	PL
28	IRB	HR
29	CINECA	IT
30	CNRS	FR
31	DLR	DE
32	NMA	RO

