

3rd ACCORD All Staff Workshop 27-31 March, Tallinn and hybrid

<https://bluejeans.com/682176176/8069>

27 March 2023	<p>Opening session S1: Dynamics S2: Surface Posters introduction LTM meeting & Posters viewing Icebreaker</p>
28 March 2023	<p>S3: M.Q.A. S4: E.P.S. Side-meeting: VHR</p>
29 March 2023	<p>S5: Code & system S6: D.A. Sight-seeing and Diner</p>
30 March 2023	<p>S7: Application S8: Physics Side-meetings: Surface // 3D-physics</p>
31 March 2023	<p>S8: Physics (cont.) Closing session</p>

remote speaker
in-situ speaker

Designation of chairs and co-chairs is in process

All times are UTC+3 (local time in Tallinn in summer), Eastern European Summer Time (EEST)

Monday 27 March (09:30-18:15)

09:00 00:30 **Registration**

Plenary opening session. Chair: Ivar Ansper

09:30 00:10 Opening of the meeting and welcome speech by the DG of ESTEA, Mr Taimar Ala

09:40 00:05 Practical information provided by EEA organizers

09:45 00:45 FISCHER Claude & POTTIER Patricia: PM's talk (& CSS)

10:30 00:20 SZINTAI Balázs Status and future of the C-SRNWP module of EUMETNET

Plenary session: Dynamics and time-stepping. Chair: Radmila Brozkova co-chair Ludovic Auger

10:50 00:20 SMOLIKOVA Petra LACE - Advances in dynamics

11:10 00:20 CLANCY Colm Testing Very High Resolution HARMONIE-AROME

11:30 00:15 discussion

11:45 00:30 **Coffee break**

Plenary Surface session. Chair: Ekaterina Kurzeneva co-chair Rafiq Hamdi

12:15	00:20	SAMUELSSON Patrick	Overview of ACCORD surface activities
12:35	00:20	TOTH Helga	SEKF Surface Assimilation in Hungary

12:55 01:05 *Lunch break*

Plenary Surface session. Chair: Ekaterina Kurzeneva co-chair Rafiq Hamdi

14:00	00:20	BATRAK Yurii	Sea ice in the CARRA reanalyses
14:20	00:20	MARIMBORDES Sophie	Towards an ensemble approach to surface analysis for the NWP model AROME
14:40	00:20	NIELSEN Kristian Pagh	Forecasting solar PV yield
15:00	00:20	LEBEAUPIN BROSSIER Cindy	The AROBASE project: Towards a kilometer-scale AROME-based multi-coupled modeling and forecasting system
15:20	00:05	Discussion	Announcement of the side-meeting

15:25 00:40 **Poster introduction. Chair: Javier Calvo**

16:05 00:25 *Coffee break*

16:30 01:45 **LTM meeting**
16:30 01:45 **Posters viewing**

18:15 *Icebreaker*

Tuesday 28 March (09:30-18:30)**Plenary session : MQAA. Chair: Christoph Wittmann co-chair Joël Stein**

09:30	00:20	SINGLETON Andrew	Fractions Skill Score for ensembles with harp
09:50	00:20	WHELAN Eoin	Verification of early common UWC-W forecasts
10:10	00:20	STEIN Joel	Use of the neighborhood Brier divergence for ensemble forecasts verification
10:30	00:20	TASCU Simona	Verification activities in RC-LACE
10:50	00:20	SUZAT Florian	SCOOPS prototype : scores using OOPS screenings

11:10 00:30 *Coffee break*

Plenary session : MQAA. Chair: Christoph Wittmann co-chair Joël Stein

11:40	00:20	FORTELIUS Carl	Organizing user-developer interaction in ACCORD
12:00	00:20	TÓTH Boglárka	Verification results of AROME-EDA winter experiment
12:20	00:20	Discussion	

12:40 01:00 *Lunch break*

Plenary session : E.P.S. Chair: Ghislain Faure co-chair Martin Bellus

13:40	00:20	FEDDERSEN Henrik	Overview of EPS activities in ACCORD
14:00	00:20	WASTL Clemens	EPS activities in LACE
14:20	00:20	FROGNER Inger-Lise	HarmonEPS development
14:40	00:20	NUISSIER Olivier	A dedicated convection- permitting ensemble in the operational NWP systems at Météo-France for the tropics
15:00	00:20	FANNON James	Single precision SPP experiments with HARMONIE-AROME
15:20	00:20	ALAOUI Badreddine	Analog Ensemble Forecasting System for Low-Visibility Conditions over the Main Airports of Morocco
15:40	00:20	discussion	

16:00 00:30 *Coffee break*

16:30 02:00 **Side meeting: VHR**
18:30

Wednesday 29 March (09:00-17:00)

Plenary session : Code & System. Chair: Niko Sokka co-chair Yelis Cengiz

09:00	00:20	SANTOS Daniel	Moving towards a more common and transparent environment for ACCORD systems
09:20	00:20	STAPPERS Roel	Experiences and workflows in Github for Harmonie
09:40	00:20	MARY Alexandre	Cycles and source code management
10:00	00:20	MARGUINAUD Philippe	Porting ARPEGE physics to accelerators: first results
10:20	00:20	DEGRAUWE Daan	Status of code refactoring and GPU adaptation

10:40 00:30 *Coffee break*

Plenary session : Code & System. Chair: Piet Termonia co-chair Neva Pristov

11:10	00:20	TUDOR Martina	ALARO CSC, refactoring, testing
11:30	00:20	ANDRAE UIF	Destination Earth On Demand Extremes workflow
11:50	00:20	EL KHATIB Ryad	Perspectives on Systems and Retrospective on People
12:10	00:20	Discussion	

12:30 01:00 *Lunch break*

Plenary session : Data Assimilation. Chair: Benedikt Strajnar co-chair Wafa Khalfaoui

13:30	00:20	THORSTEINSSON Sigurdur	Variational bias correction of surface pressure observations from ships
13:50	00:20	MILE Mate	Exploring a microwave radiance footprint operator in data assimilation systems over high-latitude domains
14:10	00:20	WEIDLE Florian	Assimilation of train-based ZTD observations in AROME-RUC
14:30	00:20	DIEZ Maria	Operational use of SEVIRI and other satellite enhancements at AEMET
14:50	00:20	VOGT Valérie	Implementation of 3DVar with OOPS

15:10 00:30 *Coffee break*

Plenary session : Data Assimilation. Chair: Benedikt Strajnar co-chair Wafa Khalfaoui

15:40	00:20	GEIJO Carlos	Exploration of Upper-Air DA at Sub-Hourly Cycling Frequency with the HARMONIE-AROME System
16:00	00:20	STRAJNAR Benedikt	Data assimilation activities in RC LACE
16:20	00:20	SMERKOL Peter	Validation of torus mapping method for dealiasing Doppler weather radar velocities
16:40	00:20	Discussion	
17:00			

Tallinn sight-seeing and diner

Thursday 30 March (09:30-18:30)

Plenary session : Applications. Chair: Laura Rontu co-chair Matthieu Plu

09:30	00:20	PLU Matthieu	The Meteo-France 48t1 e-suite: summary of content and performance
09:50	00:20	YANG Xiaohua	Operational on-demand VHR weather forecasts
10:10	00:20	RANDRIAMAMPINANINA Roger	Destination Earth On-Demand Extremes Digital Twin
10:30	00:20	THEEUWES Natalie	The Hectometric Modelling Challenge
10:50	00:20	BAZILE Eric	ARRA : A kilometric re-analysis with AROME over France
11:10	00:20	Discussion	

11:30 00:30 *Coffee break*

Plenary session: Physics Chair: Mohamed Mokhtari co-chair Metodija Shapkaljevski

12:00	00:20	GREGOW Erik	MetCoOp Nowcasting and tests with VHR setup
12:20	00:20	NĚMEC David	Microphysics developments in ALARO
12:40	00:20	BROŽKOVÁ Radmila	Convection permitting climate experiments with ALARO over the Central Europe

13:00 01:00 *Lunch break*

Plenary session: Physics Chair: Mario Hrastinski co-chair Metodija Shapkaljevski

14:00	00:20	SEITY Yann	About the use of aerosols in AROME-France
14:20	00:20	RONTU Laura	Harmonie-AROME cloud-aerosol-radiation experiences
14:40	00:20	UKKONEN Peter	3D radiation - possible approaches and preliminary IFS results using SPARTACUS
15:00	00:20	KAHNERT Marvin	Stability regimes in HARMONIE-AROME - current status and ongoing developments at Met Norway
15:20	00:20	de ROOY Wim	Adapting our parametrisations for the gray zone
15:40	00:20	BAZILE Eric	Impact of "pseudo 3D effects", shallow convection and dynamics options for AROME-500m and 200m over Austria

16:00 00:30 *Coffee break*

16:30 02:00 **Side meetings in parallel: Surface // 3D-physics**

18:30

Friday 31 March (09:30-13:30)

Plenary session: Physics Chair: Natalie Theeuwes co-chair Metodija Shapkaljevski

09:30	00:20	PREAUX Danaé	T2m bias in mountains: first results
09:50	00:20	ETCHEVERS Ingrid	Diagnostics: Improvements and new products
10:10	00:20	RIEUTORD Thomas	A review of Big Tech papers on weather prediction with AI
10:30	00:20	CHANTRY Matthew	Machine learning to improve NWP
10:50	00:20	Discussion	

11:10 00:20 *Coffee break*

Plenary closing session. Chair: Claude FISCHER

11:30 01:20 Summary of sessions and related side-meetings (Area Leaders and co-redactors/chairs)

- Code, System and Transversal Activities by Area Leaders & Integration Leader (Daniel SANTOS, Daan DEGRAUWE, Piet TERMONIA, Alexandre MARY)
- Dynamics by Area Leader (Ludovic AUGER)
- Surface by Area Leader (Patrick SAMUELSSON)
- MQA by Area Leader (Carl FORTELIUS)
- EPS by Area Leader (Henrik FEDDERSEN)
- Data Assimilation by Area Leader (Benedikt Strajnar)
- Applications by chair (Laura RONTU)
- Physics parametrisations by CSC Leaders (Eric BAZILE, Jeanette ONVLEE, Martina TUDOR) and Area Leader (Metodija Shapkaljevski)
- VHR side-meeting by PM (Claude Fischer)

12:50 00:20 Claude Fischer: Debrief from the 2023 ASW

13:10 00:20 Final discussion

13:30