

2nd ACCORD All Staff Workshop 4-8 April, 2022

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04 April 2022	Opening session S1: Surface S2: Dynamics Posters introduction Side-meeting: Stable boundary layer modelling Icebreaker
05 April 2022	S3: Physics Side-meeting: 3D Physics
06 April 2022	S4: Data Assimilation Sight-seeing and Diner
07 April 2022	S5: MQA & Applications S6: Code & System Side-meeting: DA
08 April 2022	S7: E.P.S Closing session

remote speaker

in-situ speaker

All times are UTC+2

Monday 4 April (09:00-17:50)

08:30 00:30 **Registration**

Plenary opening session. Chair: Jure CEDILNIK

09:00 00:05 Opening of the meeting and welcome speech by Jurij Jerman (deputy director of meteorology, hydrology and oceanography office)

09:05 00:05 Introductory words by Klemen Bergant, Executive Director of EUMETNET

09:10 00:05 Practical information provided by ARSO organizers

09:15 00:20 FISCHER Claude PM talk

09:35 00:20 SZINTAI Balázs Status and plans of the C-SRNWP module of EUMETNET

Plenary Surface session. Chair: Balázs SZINTAI co-chair Stefan SCHNEIDER

09:55 00:20 SAMUELSSON Patrick Performance of multilayer surface physics over the MetCoOp domain

10:15 00:20 BAZILE Eric Status for surface modelisation in AROME/ARPEGE in Météo-France

10:35 00:30 **Coffee break**

Plenary Surface session. Chair: Balázs SZINTAI co-chair Stefan SCHNEIDER

11:05	00:20	BESSARDON Geoffrey	Plan for the production of a high-resolution version of ECOCLIMAP-SG
11:25	00:20	KURZENEVA Ekaterina	Overview of land surface activities in HIRLAM
11:45	00:20	SAMUELSSON Patrick	Steps toward common surface environment in ACCORD and surface activities
12:05	00:20	VIANA Samuel & SHAP-KALIJEVSKI Metodija	On the effects of the RSL parameterization in ISBA-MEB: OFFLINE vs ONLINE coupling
12:25	00:05	Discussion	Announcement of the side-meeting

12:30 01:00 *Lunch break*

Plenary session: Dynamics and time-stepping. Chair: Kristian Pagh NIELSEN co-chair Petra SMOLIKOVA

13:30	00:20	SMOLIKOVA Petra	RC LACE: Coupling & Dynamics
13:50	00:20	FANNON James & CLANCY Colm	Hectometric-Scale Experiments at Met Éireann
14:10	00:20	SASS Bent & NIELSEN Kristian Pagh	ACCORD at hectometric scales: temporal -and spatial integration issues
14:30	00:15	Discussion	

14:45 00:40 **Poster introduction. Chair: BROZKOVA Radmila**

15:25 00:30 *Coffee break*

Side meeting on Stable boundary layer modelling. Chair: Katya KURZENEVA & Claude FISCHER

15:55	00:05	- KURZENEVA Katya & FISCHER Claude	Introduction to the meeting
16:00	00:25	- MIRONOV Dmitrii	Turbulence Structure and Mixing Intensity in Stably Stratified Boundary-Layer Flows over Thermally Heterogeneous Surfaces
16:25	00:25	- BELUSIC Danijel	Weak-wind stable boundary layers: issues and potential solutions for modeling
16:50	01:00	- discussion	

17:50 *Icebreaker*

Tuesday 5 April (09:00-17:00)**Plenary session: Physics Chair: Martina TUDOR co-chair Emily GLEESON**

09:00	00:20	RONTU Laura	Helsinki aerosol studies
09:20	00:20	LANDGREN Oskar	Changes in precipitation with near-real-time aerosols
09:40	00:20	IVARSSON Karl-Ivar	Status of the developments of cloud physics in MetCoOp 2022
10:00	00:20	NĚMEC David	Lightning simulation in ALARO

10:20 00:30 *Coffee break*

Plenary session: Physics (cont.). Chair: Eric BAZILE co-chair Bogdan BOCHENEK

10:50	00:20	ENGDAHL Bjørg Jenny	ICE-T microphysics
11:10	00:20	ANTOINE Salome	Fog forecast at hectometric scales in AROME and influence of microphysical parametrization
11:30	00:20	SEITY Yann	Recent developments in AROME upper air physics
11:50	00:20	ROGEL Léo	Representation of Clear Air Turbulence (CAT) at upper levels : from kilometer to hectometer-scale resolutions

12:10 01:00 *Lunch break*

Plenary session: Physics (cont.). Chair: Jeanette ONVLEE co-chair Yann SEITY

13:10	00:20	SHAPKALIJEVSKI Metodija	Towards a data-driven turbulence and cloud-precipitation microphysics parameterization; a review
13:30	00:20	FISCHER Claude	Overview of current thematic WGs in ACCORD
13:50	00:20	GLEESON Emily	Physics Developments in HARMONIE-AROME

14:10	00:20	BOCHENEK Bogdan	LACE physics developments
14:30	00:30	<i>Coffee break</i>	
15:00	02:00	Side meeting: 3D Physics. Chair: Eric BAZILE co-chair Claude FISCHER	
		- HONNERT Rachel	3D turbulence in AROME
		- EL KHATIB Ryad	3D physics mechanism in AROME
		- NIELSEN Kristian Pagh	3D radiation
17:00			

Wednesday 6 April (09:00-15:10)

		Plenary session : Data Assimilation. Chair: Alena TROJAKOVA co-chair Xiaohua YANG	
09:00	00:20	RANDRIAMAMPINANINA	ACCORD Data assimilation activities
09:20	00:10	MONTEIRO Maria	DAsKIT (ST2) progress report
09:30	00:15	BERRE Loïk	EnVar and OOPS (RT1) progress report
09:45	00:20	GREGOW Erik	DA research Teams 2, 8 & 11
10:05	00:20	SANCHEZ-ARRIOLA Jana	HARMONIE-AROME 4DVAR (RT3)
10:25	00:10	WHELAN Eoin	AccordDaTools (RT10)
10:35	00:30	<i>Coffee break</i>	
		Plenary session : Data Assimilation (cont). Chair: Roger RANDRIMAMPINANINA co-chair Jan BARKMEIJER	
11:05	00:20	LINDSKOG Magnus	HIRLAM Upper Air Data Assimilation and Use of Observation Activities
11:25	00:20	STRAJNAR Benedikt	Overview of LACE DA activities
11:45	00:20	RIDAL Martin	Optimal use of radar radial winds
12:05	00:20	BUCANEK Antonin	Progress on reflectivity DA at CHMI
12:25	01:05	<i>Lunch break</i>	
		Plenary session : Data Assimilation (cont). Chair: Magnus LINDSKOG co-chair Philippe CHAMBON	
13:30	00:20	DAHLGREN Per	Assimilation of SAR winds in an intense mesoscale development case
13:50	00:20	GUEDJ Stephanie	Assimilation of surface-sensitive MW observations over land and sea-ice in HARMONIE-AROME
14:10	00:20	ERESMAA Reima	Assimilation of Cross-track Infrared Sounder radiance observations
14:30	00:20	RANDRIAMAMPINANINA Roger	Relative impact of observations in a regional numerical weather prediction model
14:50	00:20	AIT MEZIANE Mohand Ouali	Computation of B Matrix with ensemble DA for AROME 3DVar Algeria (scripts and results) in belenos.
15:10			
17:00		Ljubljana sight-seeing and diner	the guided tour on Wednesday will start at 17:00 from the center, followed by dinner at 19:30, also in the center.

Thursday 7 April (09:00-18:00)

		Plenary session : MQAA (Meteorological Quality Assurance & Applications). Chair: Phillip SCHEFFKNECHT co-chair Simona TASCU	
09:00	00:20	FORTELIUS Carl	Practices of meteorological quality assurance - outcome of the MQA questionnaire
09:20	00:20	SINGLETON Andrew	What's happening in harp...
09:40	00:20	BAZILE Eric	AROME news at Meteo-France: E-suite but not only ...
10:00	00:20	SCHEFFKNECHT Phillip	Comparing Models: Sever Weather Verification at ZAMG
10:20	00:30	<i>Coffee break</i>	

Plenary session : MQAA (cont.). Chair: Phillip SCHEFFKNECHT co-chair Simona TASCU

10:50	00:20	TASCU Doina-Simona	Verification activities in RC-LACE
11:10	00:20	DEVINE Kevin	Using machine learning methods for forecasting fog at Irish airports.
11:30	00:20	SANCHEZ PERRINO Juan Carlos	Evaluation of the new version of HARMONIE-Climate modelling system - HCLIM43
11:50	00:20	Discussion	

12:10 01:00 *Lunch break*

Plenary session : Code & System. Chair: Uif ANDRAE co-chair Oldrish SPANIEL

13:10	00:20	LANGE Michael	Hybrid 2024 - Preparing IFS for HPC accelerator architectures
13:30	00:20	MARGUINAUD Philippe	Refactoring & code adaptation to GPU
13:50	00:20	DEGRAUWE Daan	Preparing ACCORD codes for hybrid hardware architectures
14:10	00:30	SANTOS Daniel	Evolution of systems in ACCORD: towards a more common and transparent environment
14:40	00:30	MARY Alexandre	Cycles and contribution practices
15:10	00:10	MARGUINAUD Philippe	A tool for visualization: glgrib
15:20	00:20	Discussion	

15:40 00:20 *Coffee break*

16:00 02:00 **Side meeting: DA. Chair: Roger RANDRIAMAMPIANINA co-chair: Maria MONTEIRO**

18:00

Friday 8 April (09:00-15:00)**Plenary session : EPS. Chair: Henrik FEDDERSEN co-chair Alan HALLY**

09:00	00:20	FROGNER Inger-Lise	HarmonEPS developments
09:20	00:20	WASTL Clemens	LAM-EPS activities in LACE
09:40	00:20	RAYNAUD Laure	Arome-France EPS : current status and future plans
10:00	00:20	TSIRINGAKIS Aristofanis	New convection and microphysical parameters for the SPP scheme of the HarmonEPS

10:20 00:30 *Coffee break*

Plenary session : EPS (cont.). Chair: Henrik FEDDERSEN co-chair Alan HALLY

10:50	00:20	Van GINDERACHTER Michiel	Using the URANIE framework for HarmonEPS VVUQ (preliminary title)
11:10	00:20	WOLTERS Dirk	Predicting probabilities of cloud height and visibility using QRF with Harmonie predictors
11:30	00:20	ALAOUI Badreddine	Probabilistic surface wind and temperature forecasting over the main airports of Morocco using an analog ensemble
11:50	00:20	Discussion	

12:10 01:00 *Lunch break*

Plenary closing session. Chair: Claude FISCHER

13:10	01:20	Summary of sessions and related side-meetings (Area Leaders and co-redactors/chairs)	
		- Surface by Area Leader (Patrick SAMUELSSON)	
		- Dynamics by Area Leader (Ludovic AUGER)	
		- Physics parametrisations by CSC Leaders (Eric BAZILE, Jeanette ONVLEE, Martina TUDOR)	
		- Data Assimilation by Area Leader (Roger RANDRIAMAMPIANINA)	
		- MQA and Applications by Area Leader (Carl FORTELIUS)	
		- Code, System and Transversal Activities by Area Leaders & Integration Leader (Daniel SANTOS, Daan DEGRAUWE, Piet TERMONIA, Alexandre MARY)	
		- EPS by Area Leader (Henrik FEDDERSEN)	
14:30	00:30	Final discussion	
15:00			