

48th EWGLAM and 33rd SRNWP Meeting

Special Topic: Verifying the future: intercomparison of ML and NWP models



28 September – 1 October 2026



IST (UTC+1)



Kilkenny, Ireland

UTC+1 DAY 1 – Monday 28 September 2026	
08:30-09:00	Registration and Poster Set-up (tea / coffee / water available)
09:00-09:10	Saji Varghese: Opening - Met Éireann
09:10-09:15	Christoph Schraff: Introduction to the meeting
Consortia Presentations Chair: Eoin Whelan Co-Chair: Mike Bush	
09:15-09:30	Met Office consortium (Aurore Porson)
09:30-09:45	ACCORD consortium headlines (Claude Fischer)
09:45-10:00	United Weather Centres: Advancing Operations Beyond the HIRLAM Era (Daniel Santos Muños)
10:00-10:15	LACE consortium overview (Martina Tudor)
10:15-10:30	COSMO overview (Antonio Vocino, Christoph Gebhardt)
10:30-10:55	ECMWF (Richard Forbes)
10:55-11:25	COFFEE BREAK (tea, coffee, water & light refreshments)
Invited Review Talks Chair: Leif Denby Co-Chair: Roger Randriamampianina	
11:25-11:50	Sabrina Wahl: “Observation-based verification of AI weather prediction models: What can we expect?” (online)
11:50-12:25	Marion Mittermaier: “The Weather Prediction Model Intercomparison Project (WP-MIP): Introduction and update”
12:25-13:00	Romain Pic: “Current and future challenges in verification from the Ver-AI and Bridging The Gap workshops”
13:00-14:00	LUNCH BREAK (sandwiches will be provided)
14:00-14:30	George Craig: “The physics of AI weather models” (online)
Session on Predictability & EPS Chair: Inger-Lise Frogner Co-Chair: Alfons Callado-Pallarès	
14:30-14:50	Aristofanis Tsirigakis: “An overview of recent developments in ensemble prediction at UWC”
14:50-15:10	Clemens Wastl: “News from EPS in LACE”
15:10-15:30	Chiara Marsigli: “Ensemble activities in COSMO”
15:30-15:50	Zahra Parsakhoo: “Advancing Stochastic Parameter Perturbations in ICON”
15:50-16:00	Discussion
16:00-16:30	COFFEE BREAK (tea, coffee, water & light refreshments)
Session on Link with Application Chair: Rachel North Co-Chair: Mike Bush	
16:30-16:50	Roger Randriamampianina: “Update on On-Demand Extremes Digital Twin” (online)
16:50-17:10	Chiara Marsigli: “Update on the GLORI Digital Twin project”
17:10-17:30	Massimo Milelli: “A globally applicable building-resolving workflow for UTCI calculation and deep learning surrogate forecasting at the urban scale”
17:30-17:40	Discussion
17:40-18:45	Poster Session Chair: Christoph Schraff
Introduction to national posters (40 min) followed by poster viewing Thematic posters (without introduction; see list of posters below at end of programme)	
19:00-21:00	Ice-breaker Event Sullivan’s Taproom Microbrewery

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DAY 2 – Tuesday 29 September 2026

Thematic sessions of Expert Teams:

Session on Verification Chair: Simona Tascu | Co-Chair: Amalia Iriza-Burca

08:50-09:10 Amalia Iriza-Burca: “COSMO verification activities”

09:10-09:30 Simona Tascu: “LACE verification activities”

09:30-09:50 Kristian Pagh Nielsen: “Meteorological Quality Assurance in the United Weather Centres”

09:50-10:10 Sylvia Bohnenstengel: “The Community Seamless Evaluation Toolkit”

10:10-10:30 Carlo Cafaro: “Towards Regional Machine-Learning Weather Prediction: Evaluation of FastNet at Limited Area Scales”

10:30-10:50 James Fannon: “Intercomparison of Machine Learning and Numerical Weather Prediction models at Met Éireann”

10:50-11:00 Discussion

11:00-11:30

COFFEE BREAK (tea, coffee, water & light refreshments)

Parallel Session A: Ballroom

Session on Verification Chair: Rachel North | Co-Chair: Roger Harbord

11:30-11:50 Zied Ben Bouallegue: “Comparing AI and NWP Performance in Forecasting Extremes”

11:50-12:10 Leif Denby: “Towards Common Verification of Physical Consistency in Kilometre-Scale MLWP and NWP Forecasts”

12:10-13:00 Discussion

Parallel Session B: Harry’s Bar

Session on Predictability & EPS Chair: Chiara Marsigli | Co-Chair: Alfons Callado-Pallarès

11:30-11:50 Alfons Callado-Pallarès: “Review of LAM-EPS systems at AEMET: past, present and future” (online)

11:50-12:10 Martina Tudor: “A-LAEF operational activities”

12:10-12:15 Tatiana Tabalchuk: “Effect of surface temperature perturbation schemes on ensemble spread evolution” (poster introduction)

12:15-13:00 Discussion

13:00-14:00

LUNCH BREAK (sandwiches will be provided)

Session on Data Assimilation Chair: Isabel Monteiro | Co-Chair: Swapn Mallick

14:00-14:20 Antonín Bučánek: “Algorithmic developments in ACCORD” (online)

14:20-14:40 Benedikt Strajnar “Advancing the use of observations for data assimilation in ACCORD”

14:40-15:00 Christoph Schraff: “Data assimilation activities in COSMO”

15:00-15:20 Máté Mile: “Machine learning pilot project and the use of observations”

15:20-15:30 Discussion

15:30-16:00

COFFEE BREAK (tea, coffee, water & light refreshments)

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Session on Dynamics Chair: Martina Tudor Co-Chair: Natalia Szopa-Pyla	
16:00-16:20	Tommaso Benacchio: “Simulating extremes at hectometre scale with the Portable Model for Atmospheric Prediction”
16:20-16:40	Michael Baldauf: “Further developments in the Discontinuous Galerkin based dynamical core for ICON”
16:40-17:00	Petra Smolikova: “What is new in LACE dynamics?”
17:00-17:10	Discussion
Session on System Aspects Chair: Martina Tudor Co-Chair: Natalia Szopa-Pyla	
17:10-17:30	Ulf Andrae: “Tactus, bringing ACCORD together”
17:30 End of Tuesday’s EWGLAM Sessions	
17:45-open	ACCORD MG meeting with the Met Éireann NWP Group (Harry’s Bar)

UTC+1 DAY 3 – Wednesday 30 September 2026	
Session on Surface and Soil Aspects Chair: Massimo Milelli Co-Chair: Mike Bush	
09:00-09:20	Patrick Samuelsson: “ACCORD overview of surface activities”
09:20-09:40	Martina Tudor: “LACE surface overview”
09:40-10:00	Jan-Peter Schulz: “Surface activities in the COSMO Consortium”
10:00-10:20	Gianpaolo Balsamo: “Overview of the ECMWF land surface activities and progress during the year” (online)
10:20-10:40	Samuel Viana Jiménez: “ACCORD’s SURFEX Offline Validation System (OSVAS)”
10:40-11:00	Discussion
11:00-11:30	COFFEE BREAK (tea, coffee, water & light refreshments)
	Parallel Session A: Ballroom
Session on Surface and Soil Aspects Chair: Jan-Peter Schulz Co-Chair: Patrick Samuelsson	
11:30-11:50	Martin Best: “Verbal briefing on UKMO land surface activities” (online)
11:50-12:10	Ludovico Mattavelli: “Hectometric-scale urban simulations with ICON”
12:10-12:30	Jürgen Helmert: “Advancing high-resolution land cover in ICON/EXTPAR: Opportunities with ECOCLIMAP-SG+ML”
12:30-13:00	Discussion
	Parallel Session B: Harry’s Bar
Session on Data Assimilation Chair: Isabel Monteiro Co-Chair: Antonín Bučánek	
11:30-11:50	Swapan Mallick: “Score-Based Data Assimilation Using Machine Learning Diffusion Models” (online)
11:50-12:10	Magnus Lindskog: “Assimilation of in-situ observations” (online)
12:10-12:30	Carlos Geijo: “3DVar with Flow-Dependent Correlations”
12:30-12:35	Isabel Monteiro: “Data Assimilation and use of observations at the United Weather Centres” (poster introduction)
12:35-13:00	Discussion
13:00-14:00	LUNCH BREAK (sandwiches will be provided)

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DAY 3 – Wednesday 30 September 2026

14:00-21:00 Afternoon Excursions & Evening Dinner

Arrive at the Parade Tower, Kilkenny Castle before 14:00

Session Chair: Sinéad Duffy

13:45 Music by Met Éireann's Trad Band Ceo

14:00 Anne Teehan: "Introduction on Kilkenny Castle"

14:10 Colin Evans: "Re-Investigating Ireland's Maximum Air Temperature Record —Kilkenny Castle, 26 June 1887"

14:35 Emilia Main: "Met Éireann's Geomagnetic Programme"

15:00 Music by Met Éireann's Trad Band Ceo

Groups of 25 may enter the Castle, every 15 minutes, for a self-guided tour

Excursion Groups Assembly Times – Meet at Castle Courtyard

15:40 Official Guided Castle Tour **White Group**

15:50 Shenanigan's Walking Tour **Yellow Group**

15:50 Kilkenny Way Hurling Experience **Blue Group**

16:00 Smithwick's Brewery Tour & Tasting **Red Group**

19:00 Evening Dinner at Pembroke Hotel

Music by Met Éireann's Choir, the Isobars

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DAY 4 – Thursday 1 October 2026

Thematic sessions of Expert Teams:

Session on Physical Parameterization Chair: Sylvia Bohnenstengel | Co-Chair: Mike Bush

09:00-09:20 Mario Hrastinski: "Physics activities in RC-LACE"

09:20-09:40 Marvin Kähnert: "New developments of cy49 in HARMONIE-AROME"

09:40-10:00 Eric Bazile: "Next AROME-France configuration for surface and upper air" (online)

10:00-10:20 Daniela-Christin Littmann: "Representation of organised convective motions and associated cloud processes: The new implementation of a transport term for convective fluxes in the grey zone" (online)

10:20-10:40 Richard Forbes: "Improving physical parametrizations for kilometre-scale resolutions in the ECMWF global model"

10:40-11:00 Matthias Raschendorfer: "Some recent development for ICON physics"

11:00-11:10 Discussion

11:10-11:40 **COFFEE BREAK** (tea, coffee, water & light refreshments)

EUMETNET Presentation Chair: Claude Fischer | Co-Chair: Ekaterina Kurzeneva

11:40-11:50 Christoph Schraff: "News about C-SRNWP"

Closing Session Chair: Christoph Schraff | Co-Chair: Ekaterina Kurzeneva

11:50-12:20 Summary of parallel sessions by Expert Team Chairs (5 min DA, EPS, SURF, 10 – 15 min VER)

12:20-13:00 EWGLAM final Discussion

13:00 END OF THE MEETING

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Thematic Posters

Martin Ridal	CONS	Operational Forecast Process in MetCoOp
Anne-Lise Dhomp	CONS	The ACCORD consortium in its phase 2
Tatiana Tabalchuk	EPS	Effect of surface temperature perturbation schemes on ensemble spread evolution
Michal Nestiak	APPL	Solar Radiation Nowcasting Using All-Sky Cameras and Machine Learning
Jelena Bojarova	APPL	User-needs tailored weather forecasts for unmanned aviation flights
Samuel Viana Jiménez	VER	Operational verification activities within phase 3 of Destination Earth On-Demand Extremes
Isabel Monteiro	DA	Data Assimilation and use of observations at the United Weather Centres
Ludovico Mattavelli	PHYS	Resolved Convective Circulations at hectometric scale with ICON over the Po Valley
Leif Denby	AI-WP	ML weather forecasting at DMI
Rónán Darcy	AI-WP	Data Driven Modelling in Met Éireann

National Posters

	Algeria, ONM:	Mohamed Mokhtari *Remote
	Belgium RMI:	Alex Deckmyn
	Croatia DHMZ:	Endi Keresturi
	Czechia CHMI:	Alena Trojakova *Remote
	Denmark DMI:	Kristian Pagh Nielsen
	France Météo-France:	Cecile Loo
	Germany DWD:	Christoph Gebhardt
	Hungary HungaroMet:	Gabriella Szépszó
	Ireland Met Éireann:	Eoin Whelan
	Italy ITAF:	Antonio Vocino
	Poland IMGW-PIB:	Andrzej Mazur
	Portugal IPMA:	Margarida Belo-Pereira
	Romania ANM:	Alexandra Crăciun
	Slovakia SHMU:	Oldrich Spaniel
	Slovenia ARSO:	Jure Cedilnik
	Spain AEMET:	Javier Calvo
	Sweden SMHI:	Jelena Bojarova
	Japan JMA:	Sho Yokota