



Using ECMWF's Forecasts (UEF2025)

Programme

Monday

Agenda

All times are shown in the selected time zone.

The opening session will take place at DAMA - Tecnopolo di Bologna, Via Stalingrado 84/3, 40128 Bologna

The selected timezone is Europe/London

12:30 to 13:45	Registration and coffee	
	Opening session	
13:45 to 13:55	Practical arrangements	
13:55 to 14:00	Welcome to Bologna and opening remarks	Morena Diazzi (Emilia-Romagna Region)
14:00 to 14:15	ECMWF at 50	Florence Rabier (ECMWF) Andy Brown (ECMWF)
14:15 to 14:30	Meeting the needs of users	Roar Skålin (Norwegian Meteorological Institute) Florian Pappenberger (ECMWF)
14:30 to 14:45	Supercomputing	Martin Palkovic (ECMWF) Christine Kitchen (ECMWF)
14:45 to 15:00	Destination Earth	Grazyna Piesiewicz (European Commission) Irina Sandu (ECMWF)
15:00 to 15:30	Coffee break	
	Keynote address and panel discussion	
15:30 to 15:50	Machine Learning in today's meteorology	Mariana Clare (ECMWF)

15:50 to 16:30

**Panel discussion on the role of
Machine Learning**

Moderator: Morena Diazzi

Panellists:

Mariana Clare (ECMWF)

Grazyna Piesiewicz (European
Commission)

Florence Rabier (ECMWF)

Roar Skålin (Norwegian Meteorological
Institute)

Optional seminar

Live from Bologna!

16:45 to 17:45

Cycle 50r1

Andy Brown (ECMWF)

Tuesday

Agenda

All times are shown in the selected time zone.

Tuesday's sessions will take place in Torre 8, Regione Emilia Romagna · Viale della Fiera, 8, 40127 Bologna BO

The selected timezone is Europe/London

	Arrival	
07:30 to 08:00	Registration and coffee	
08:00 to 08:10	Welcome, housekeeping and theme	Becky Hemingway (ECMWF)
	Exploring the past Chair: Becky Hemingway (ECMWF)	
08:10 to 08:50	Estonia's journey to full membership Keynote presentation Presentation slides Recording of the talk	Kai Rosin (Estonian Environment Agency)
08:50 to 09:20	The history of ECMWF forecasts and UEFs Presentation slides Recording of the talk	Umberto Modigliani (ECMWF)
09:20 to 09:40	Past and future of the probabilistic meteogram (EPSgram) Presentation slides Recording of the talk	Federico Grazzini (ARPAE-SIMC) Cihan Sahin (ECMWF)
09:40 to 10:10	Coffee break	
10:10 to 10:30	ESA-ECMWF Data Exchange for Earth System Insight - a short story of symbiosis in science Presentation slides Recording of the talk	Emma Pidduck (ECMWF) Filomena Catapano (ESA)
	Evaluating the present Chair: Becky Hemingway (ECMWF)	

10:30 to 10:50	The impact of ECMWF's forecasts at The Weather Company Virtual	Joseph Koval (The Weather Company)
	Presentation slides Video recording	
10:50 to 11:10	Evaluating Present Advances: Current Utilization of ECMWF Forecasts in Operational Weather Forecasting and High-Resolution Numerical Modelling at IHMS Presentation slides Recording of the talk	Aleksandar Zecevic (Institute of Hydrometeorology and Seismology, Montenegro)
11:10 to 11:30	Using ECMWF's model data for research, development and operational forecasting in the complex terrain of the Faroe Islands Presentation slides	Andrias Gregoriussen (Faroese Meteorological Office)
11:30 to 13:00	Lunch break	
	Evaluating the present (continued) Chair: Anca Brookshaw (ECMWF)	
13:00 to 13:30	ECMWF research plans and operational upgrades	Andy Brown (ECMWF)
13:30 to 13:50	From ERA5 to ERA6 Presentation slides	Hans Hersbach (ECMWF)
13:50 to 14:10	Coffee break	
14:10 to 14:30	ECMWF forecast performance then and now Presentation slides	Thomas Haiden (ECMWF)
14:30 to 14:50	Evaluating ECMWF's AIFS Performance for Severe Weather Events in Japan: A Case Study Analysis Presentation slides	Jumpei Fujino (Weathernews Inc.) Kohei Sakamoto (Weathernews Inc.)
14:50 to 15:10	Feedback from Meteo-France forecasters Presentation slides	Jean Bournhonesque (Meteo-France)

15:10 to 15:40	ECMWF Forecast Products: Recent Advances and Future Directions Presentation slides	Matthieu Chevallier (ECMWF)
	Posters and group photo	
15:40 to 16:00	Poster introductions Chair: Anca Brookshaw	
16:00 to 16:05	Group photo	
16:05 to 17:30	Poster session and drinks reception	

Wednesday Agenda

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Wednesday's sessions will take place at DAMA - Tecnopolo di Bologna, Via Stalingrado 84/3, 40128 Bologna

The selected timezone is Europe/London

07:30 to 08:00	Registration	
	UEF2025 meets HPC Chairs: Becky Hemingway and Chris Kitchen (ECMWF)	
08:00 to 09:00	EAIRA: Establishing a Methodology for Evaluating AI Models as Scientific Research Assistants Keynote presentation	Franck Cappello (Argonne National Laboratory)
09:00 to 09:30	Coffee break	
09:30 to 09:50	AICON - Introducing ML-based weather forecasting at DWD Presentation slides	Florian Prill (German Weather Service DWD)
09:50 to 10:10	Community AI at NSF NCAR	John Clyne (National Center for Atmospheric Research (NCAR))
10:10 to 10:30	AIFS case studies	Linus Magnusson (ECMWF)
10:30 to 11:30	Forecast users and HPC shaping the future together - a panel discussion Chairs: Chris Kitchen and Becky Hemingway Panel members: <ul style="list-style-type: none">• Franck Cappello (Argonne National Laboratory)• Dan Suri (Met Office)• Katherine Yelick• Linus Magnusson (ECMWF)	
11:30 to 13:00	Lunch break	
	Interactive sessions	

13:00 to 14:00	Tour of computer hall	
14:00 to 14:30	Coffee break	
14:30 to 16:30	Interactive Event: Weather Stations - Learn, Discuss, Make Connections	
	Evening reception	
16:30 to 17:00	Welcome drinks	
17:00 to 17:10	Welcome speeches Dr Florence Rabier (Director General of ECMWF) Vincenzo Colla (Vice-Presidente Regione Emilia-Romagna) Matteo Lepore (Mayor of Bologna) General Giuseppe Addesa (Aeronautica Italia)	
17:10 to 18:30	Buffet and drinks	

Thursday

Agenda

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Thursday's sessions will take place in Torre 8, Regione Emilia Romagna · Viale della Fiera, 8, 40127 Bologna BO

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07:30 to 08:00	Arrival and registration	
	Evaluating the present Chair: Matthieu Chevallier (ECMWF)	
08:00 to 08:40	From Forecast to Action: Leveraging ECMWF Data for Anticipatory Actions against Drought Keynote presentation	Giancarlo Pini (UN WFP)
08:40 to 09:00	Probabilistic products of convective hazards	Ivan Tsonevsky
09:00 to 09:20	ECMWF forecasts serving the new Swiss national drought monitoring and warning system	Adel Imamovic (MeteoSwiss)
09:20 to 09:40	Modeling Storm Surges in the Singapore Straits Based on Forecast Wind Data	Zhijing Feng (Singapore Institute of Technology)
09:40 to 10:10	Coffee break	
	Copernicus Services Chair: Stijn Vermoote (ECMWF)	
10:10 to 10:30	10 years of Copernicus at ECMWF: what is next?	Carlo Buontempo (ECMWF)

10:30 to 11:10	Panel discussion: Forecast products and services in Copernicus - a perspective on user uptake Moderator: Stijn Vermoote (ECMWF) Panellists: <ul style="list-style-type: none"> • Anca Brookshaw (ECMWF) • Cristina Ananasso (ECMWF) • Ilian Gospodinov (NIMH Bulgaria) • Christel Prudhomme (ECMWF) • Andrea Taramelli (Italian National Delegate to the EC for Copernicus) 	
11:10 to 11:30	Ensemble flood forecasting with the European and Global Flood Awareness Systems - a look back and into the future	Peter Salamon (EC DG JRC)
11:30 to 13:00	Lunch break	
	Envisioning the future Chair: Becky Hemingway (ECMWF)	
13:00 to 13:40	Data to Decisions Keynote presentation (online)	Helen Roberts (Met Office)
13:40 to 14:00	The Future of ECMWF Data Policy: From Licensing to Open Access Presentation slides	Emma Pidduck (ECMWF)
14:00 to 14:20	The devil's in the detail - Medium range forecasts for the public	Ken Mylne (Met Office)
14:20 to 14:40	Coffee break	
	Envisioning the future Chair: Emma Pidduck (ECMWF)	
14:40 to 15:00	EUMETNET's E-AI Programme: Advancing Weather, Climate, and Environmental Applications through Artificial Intelligence (AI) and Machine Learning (ML)	Marek Jacob (DWD)
15:00 to 15:20	Bris: A High-Resolution Data-Driven Weather Forecasting Model	John Bjørnar Bremnes (Norwegian Meteorological Institute)
15:20 to 16:00	The Future of Weather: Platformization, AI, and the Public-Private Convergence	Aravind Ravichandran (TerraWatch Space)

16:00 to 16:20	Ask us anything - Q&A session with ECMWF	
16:20 to 16:30	Closing remarks	Florian Pappenberger (ECMWF)