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**	Florian Pappenberger (ECMWF) Roar Skålin (Norwegian Meteorological Institute)
14:30 to 14:45	**Supercomputing**	Martin Palkovic
14:45 to 15:00	**Destination Earth**	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	
	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	Kai Rosin (Estonian Environment Agency)
08:50 to 09:10	**The history of ECMWF forecasts and UEFs**	
09:10 to 09:30	**Past and future of the probabilistic meteogram (EPSgram)**	Federico Grazzini (ARPAE-SIMC) Cihan Sahin (ECMWF)
09:30 to 10:00	**Coffee break**	
10:00 to 10:20	**A History of ECMWF Data Policy: From Licensing to Open Access**	Emma Pidduck (ECMWF)
10:20 to 10:40	**ESA-ECMWF Data Exchange for Earth System Insight – a short story of symbiosis in science**	Emma Pidduck (ECMWF) Filomena Catapano (ESA)
	Evaluating the present	
10:40 to 11:00	**The impact of ECMWF's forecasts at The Weather Company**	Joseph Koval (The Weather Company)

11:00 to 11:20	**Evaluating Present Advances: Current Utilization of ECMWF Forecasts in Operational Weather Forecasting and High-Resolution Numerical Modelling at IHMS**	Aleksandar Zecevic (Institute of Hydrometeorology and Seismology, Montenegro)
11:20 to 11:40	**Using ECMWF's model data for research, development and operational forecasting in the complex terrain of the Faroe Islands**	Andrias Gregoriussen (Faroese Meteorological Office)
11:40 to 13:00	**Lunch break**	
	Evaluating the present (continued) Chair: Anca Brookshaw	
13:00 to 13:30	**ECMWF research plans and operational upgrades**	Andy Brown (ECMWF)
13:30 to 14:00	**ERA6 update**	Hans Hersbach (ECMWF)
13:50 to 14:20	**Coffee break**	
14:20 to 14:40	**ECMWF forecast performance**	Thomas Haiden (ECMWF)
14:40 to 15:00	**Evaluating ECMWF's AIFS Performance for Severe Weather Events in Japan: A Case Study Analysis**	Jumpei Fujino (Weathernews Inc.) Kohei Sakamoto (Weathernews Inc.)
15:00 to 15:30	**ECMWF Forecast products**	Matthieu Chevallier (ECMWF)
	Posters	
15:30 to 16:00	**Poster introductions**	
16:00 to 17:30	**Poster session and drinks reception**	

Wednesday Agenda

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07:30 to 08:00	**Registration**	
	UEF2025 meets HPC	
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**	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	**UEF2025 meets HPC: Panel discussion on Machine Learning and AI** Chairs: Chris Kitchen and Becky Hemingway	
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** |

Thursday
Agenda

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07:30 to 08:00	**Arrival and registration**	
	Evaluating the present Chair: Matthieu Chevallier	
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	
10:10 to 11:10	**Copernicus focused panel discussion**	
11:10 to 11:30	**TBC**	
11:30 to 13:00	**Lunch break**	
	Envisioning the future Chair: Emma Pidduck (ECMWF)	

13:00 to 13:40	**Keynote presentation**	Helen Roberts (Met Office)
13:40 to 14:00	**TBC** Presenting remotely	
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**	
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 15:40	**TBC**	
15:40 to 16:20	**The Future of Weather: Platformization, AI, and the Public-Private Convergence** Keynote presentation	Aravind Ravichandran (TerraWatch Space)
16:20 to 16:30	**Closing remarks**	