



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

[Video recording](#)

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**Optional seminar**

Live from Bologna!

16:45 to 17:45

**Cycle 50r1**

Andy Brown (ECMWF)

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# 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**

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

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

14:50 to 15:10	<b>Feedback from Meteo-France forecasters</b> <a href="#">Presentation slides</a> <a href="#">Video recording</a>	Jean Bournhonesque (Meteo-France)
15:10 to 15:40	<b>ECMWF Forecast Products: Recent Advances and Future Directions</b> <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Matthieu Chevallier (ECMWF)
	<b>Posters and group photo</b>	
15:40 to 16:00	<b>Poster introductions</b> Chair: Anca Brookshaw	
16:00 to 16:05	<b>Group photo</b>	
16:05 to 17:30	<b>Poster session and drinks reception</b> Recording of talks	

# 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	<b>Registration</b>	
	<b>UEF2025 meets HPC</b> Chairs: Becky Hemingway and Chris Kitchen (ECMWF)	
08:00 to 09:00	<b>EAIRA: Establishing a Methodology for Evaluating AI Models as Scientific Research Assistants</b> Keynote presentation  <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Franck Cappello (Argonne National Laboratory)
09:00 to 09:30	<b>Coffee break</b>	
09:30 to 09:50	<b>AICON - Introducing ML-based weather forecasting at DWD</b> <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Florian Prill (German Weather Service DWD)
09:50 to 10:10	<b>Community AI at NSF NCAR</b> <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	John Clyne (National Center for Atmospheric Research (NCAR))
10:10 to 10:30	<b>AIFS case studies</b> <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	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:

- Franck Cappello (Argonne National Laboratory)
- Dan Suri (Met Office)
- Katherine Yelick
- Linus Magnusson (ECMWF)

[Recording of the talk](#)

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11:30 to 13:00

**Lunch break**

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**Interactive sessions**

13:00 to 14:00

**Tour of computer hall**

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14:00 to 14:30

**Coffee break**

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14:30 to 16:30

**Interactive Event: Weather Stations - Learn, Discuss, Make Connections**

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**Evening reception**

16:30 to 17:00

**Welcome drinks**

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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)

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17:10 to 18:30

**Buffet and drinks**

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# 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

**The selected timezone is Europe/London**

07:30 to 08:00	<b>Arrival and registration</b>	
	<b>Evaluating the present</b> Chair: Matthieu Chevallier (ECMWF)	
08:00 to 08:40	<b>From Forecast to Action: Leveraging ECMWF Data for Anticipatory Actions against Drought</b> Keynote presentation  <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Giancarlo Pini (UN WFP)
08:40 to 09:00	<b>Probabilistic products of convective hazards</b> <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Ivan Tsonevsky (ECMWF)
09:00 to 09:20	<b>ECMWF forecasts serving the new Swiss national drought monitoring and warning system</b> <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Adel Imamovic (MeteoSwiss)
09:20 to 09:40	<b>Modeling Storm Surges in the Singapore Straits Based on Forecast Wind Data</b> <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Zhijing Feng (Singapore Institute of Technology)
09:40 to 10:10	<b>Coffee break</b>	
	<b>Copernicus Services</b> Chair: Stijn Vermoote (ECMWF)	

10:10 to 10:30	<b>10 years of Copernicus at ECMWF: what is next?</b> <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Carlo Buontempo (ECMWF)
10:30 to 11:10	<b>Panel discussion: Forecast products and services in Copernicus - a perspective on user uptake</b> Moderator: Stijn Vermoote (ECMWF) Panellists: <ul style="list-style-type: none"> <li>• Anca Brookshaw (ECMWF)</li> <li>• Cristina Ananasso (ECMWF)</li> <li>• Ilian Gospodinov (NIMH Bulgaria)</li> <li>• Christel Prudhomme (ECMWF)</li> <li>• Andrea Taramelli (Italian National Delegate to the EC for Copernicus)</li> </ul> <a href="#">Recording of the talk</a>	
11:10 to 11:30	<b>Ensemble flood forecasting with the European and Global Flood Awareness Systems - a look back and into the future</b> <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Peter Salamon (EC DG JRC)
11:30 to 13:00	<b>Lunch break</b>	
	<b>Envisioning the future</b> Chair: Becky Hemingway (ECMWF)	
13:00 to 13:40	<b>Data to Decisions</b> Keynote presentation (online) <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Helen Roberts (Met Office)
13:40 to 14:00	<b>The Future of ECMWF Data Policy: From Licensing to Open Access</b> <a href="#">Presentation slides</a> <a href="#">Recording of the talk</a>	Emma Pidduck (ECMWF)
14:00 to 14:20	<b>The devil's in the detail - Medium range forecasts for the public</b> <a href="#">Video recording</a>	Ken Mylne (Met Office)
14:20 to 14:40	<b>Coffee break</b>	

	<b>Envisioning the future</b> Chair: Emma Pidduck (ECMWF)	
14:40 to 15:00	<b>EUMETNET's E-AI Programme: Advancing Weather, Climate, and Environmental Applications through Artificial Intelligence (AI) and Machine Learning (ML)</b> <a href="#">Presentation slides</a> <a href="#">Video recording</a>	Marek Jacob (DWD)
15:00 to 15:20	<b>Bris: A High-Resolution Data-Driven Weather Forecasting Model</b> <a href="#">Presentation slides</a> <a href="#">Video recording</a>	John Bjørnar Bremnes (Norwegian Meteorological Institute)
15:20 to 16:00	<b>The Future of Weather: Platformization, AI, and the Public-Private Convergence</b> <a href="#">Presentation slides</a> <a href="#">Video recording</a>	Aravind Ravichandran (TerraWatch Space)
16:00 to 16:20	<b>Ask us anything - Q&amp;A session with ECMWF</b>	
16:20 to 16:30	<b>Closing remarks</b> <a href="#">Video recording</a>	Florian Pappenberger (ECMWF)