Using ECMWF's Forecasts (UEF2023)

Programme

Monday
Agenda

The time displays according to the selected time zone.

The selected timezone is Europe/London

13:00 to 14:15	**Opening**	
13:00 to 14:00	**Registration and coffee**	
14:00 to 14:10	**Welcome** Video recording	Florence Rabier (ECMWF)
14:10 to 14:15	**Housekeeping**	Becky Hemingway (ECMWF)
14:15 to 16:10	**Themed session: ECMWF Updates** Chair: Becky Hemingway (ECMWF)	
14:15 to 14:40	**What does the future hold?** Presentation slides Video recording	Florian Pappenberger (ECMWF)
14:40 to 15:05	**ECMWF research progress and plan** Presentation slides Video recording	Stephen English (ECMWF)
15:05 to 15:35	**Coffee break**	
15:35 to 15:45	**Ensemble forecasting: Introducing the theme** Presentation slides Video recording	Becky Hemingway (ECMWF)
15:45 to 16:10	**ECMWF's ensemble forecasts** Presentation slides Video recording	Simon Lang (ECMWF)
16:10 to 16:50	**Invited Speaker** Chair: Becky Hemingway (ECMWF)	

16:10 to 16:50	**Ensemble forecasting with limited-area models: the challenge of the high-resolution** [Presentation slides](#) [Video recording](#)	Chiara Marsigli (DWD)
16:50 to 18:30	**Poster session**	
16:50 to 18:00	**Poster session and drinks reception in the Weather Room**	

Tuesday
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09:00 to 09:40	**Invited speaker** Chair: Sarah-Jane Lock (ECMWF)	
09:00 to 09:40	**Exploiting Ensemble NWP Forecasts** Presentation slides Video recording	Ken Mylne (Met Office)
09:40 to 10:50	**Themed session: Using ensemble models and data** Chair: Sarah-Jane Lock (ECMWF)	
09:40 to 10:00	**Processing ECMWF Ensemble Data for use in Met Office Systems** Presentation slides Video recording	Simon Boardman (Met Office)
10:00 to 10:20	**Can understanding why ensembles are under-dispersive help when forecasting?** Presentation slides	Isla Finney (Lake Street Consulting Ltd)
10:20 to 10:40	**Using expired weather forecasts to supply up to 10 000 years of weather data for renewable modelling** Presentation slides Video recording	Petr Dolezal (University of Cambridge)
10:40 to 10:50	**Group photo**	
10:50 to 11:30	**Coffee break**	
11:30 to 14:00	**Themed session: Ensemble forecast applications and products** Chair: Milana Vuckovic (ECMWF)	
11:30 to 11:50	**Clustering technique considering temporal coherence of ensemble members** Presentation slides Video recording	Kosuke Ono (Meteorological research institute, Japan Meteorological Agency)

11:50 to 12:20	**The use of ECMWF ensembles within a new seamless blended multi-model version of the Met Office's probabilistic weather pattern forecasting tool** Presentation slides Video recording	Robert Neal (Met Office)
12:20 to 12:40	**Using ensemble models to provide a deterministic forecast in an operational context** Presentation slides Video recording	Alexandre Trajan (Météo-France)
12:40 to 13:00	**Evaluation of convective storm predictors in mainland Portugal based on ECMWF ensemble and deterministic forecasts** Presentation slides Video recording	Margarida Belo-Pereira (Portuguese Institute of Sea and Atmosphere (IPMA))
13:00 to 14:00	**Lunch break**	
14:00 to 15:20	**Themed session (continued): ECMWF Updates** Chair: Becky Hemingway (ECMWF)	
14:00 to 14:25	**ECMWF product development** Presentation slides Video recording	Matthieu Chevallier (ECMWF)
14:25 to 14:50	**ECMWF forecast performance** Presentation slides Video recording	Thomas Haiden (ECMWF)
14:50 to 15:20	**Coffee break**	
15:20 to 17:00	**Interactive session**	
15:20 to 17:00	**User Voice Corner** Presentation by Tim Hewson followed by discussions led by ECMWF staff Presentation slides Video recording	Tim Hewson (ECMWF)
18:30 to 20:30	**UEF Dinner**	
18:30 to 20:30	**Côte Brasserie (Reading Town Centre)** For pre-registered participants only	

Wednesday Agenda

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09:00 to 11:10	**Themed session: Ensemble based decision making and impact forecasting** Chair: Matthieu Chevallier (ECMWF)	
09:00 to 09:40	**Invited speaker: Probabilistic Hazard Information and Related Proposed Advancements in US Severe Weather Warnings** Presentation slides Video recording	Patrick Campbell (University of Oklahoma / CIWRO / NSSL)
09:40 to 10:00	**Approaches for making ensemble forecasting based services more suitable to end-users' needs** Presentation slides Video recording	Matteo Ponzano (Météo-France, Meteorological Services)
10:00 to 10:20	**Development of heat wave impact-based forecast guidance using multi-model ensemble system** Presentation slides Video recording	Hyun-Cheol Shin (Korea Meteorological Administration)
10:20 to 10:40	**Assessing the impact of weather forecast uncertainties in crop water stress model predictions** Presentation slides Video recording	Bachar Tarraf (CNRM, Météo France)
10:40 to 11:20	**Coffee break**	
11:10 to 14:00	**Themed session: Re-forecasting** Chair: Chris Roberts (ECMWF)	
11:20 to 11:40	**Upgrades to medium/extended range reforecasts and the SEAS6 configuration: an update** Presentation slides Video recording	Magdalena Alonso Balmaseda (ECMWF)

11:40 to 11:50	**User presentation: Verifying ECMWF's extended-range (re)forecasts: from large-scale weather to local extremes** Presentation slides Video recording	Dominik Büeler (ETH Zurich)
11:50 to 13:00	**Re-forecasting plenary discussion** Magdalena Alonso Balmaseda (ECMWF) Frederic Vitart (ECMWF) Tim Hewson (ECMWF) Dominik Büeler (ETH Zurich)	
13:00 to 14:00	**Lunch break**	
14:00 to 16:00	**Themed session: Sub-Seasonal to Seasonal to Climate** Chair: Stijn Vermoote (ECMWF)	
14:00 to 14:20	**Seasonal forecasts from the Copernicus Climate Change Service (C3S)** Presentation slides Video recording	Anca Brookshaw (ECMWF)
14:20 to 14:40	**Post-processing of seasonal meteorological forecasts using fuzzy logic; application to the Jucar River Basin District** Presentation slides Video recording	Dariana Isamel Avila Velasquez (Universitat Politècnica de València, Institute of Water and Environmental Engineering (IIAMA))
14:40 to 15:00	**Assessment of ECMWF SEAS5 Skill for monthly rainfall prediciton over Indonesia** Presentation slides Video recording	Robi Muharsyah (Indonesia Agency for Meteorology, Climatology, and Geophysic)
15:00 to 15:20	**Subs-seasonal to seasonal forecasts for agriculture in Bangladesh** Presentation slides Video recording	Bob Ammerlaan (Weather Impact BV)
15:20 to 15:25	**Introduction to the Ensemble discussions**	Becky Hemingway (ECMWF)
15:25 to 16:00	**Coffee break**	
16:00 to 17:00	**Ensemble discussions**	
16:00 to 17:00	**Group discussions on the use of ensembles**	

Thursday
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09:00 to 11:10	**Themed session: Ensembles and Machine Learning** Chair: Umberto Modigliani (ECMWF)	
09:00 to 09:20	**Creating skillful and reliable probabilistic forecasts using machine learning** Presentation slides Video recording	Mariana Clare (ECMWF)
09:20 to 09:40	**Post-processing high-resolution weather forecasts with deep learning to create operational ensembles** Presentation slides Video recording	Forest Cannon (Tomorrow.io)
09:40 to 10:00	**Boosting forecast of precipitation extremes with machine learning** Presentation slides Video recording	Federico Grazzini (ARPAE-SIMC)
10:00 to 10:20	**Evaluation of machine-learning models for medium-range forecasts at ECMWF** Presentation slides Video recording	Linus Magnusson (ECMWF)
10:20 to 10:40	**CLINT - An AI-enhanced operational demonstrator of sub-seasonal and seasonal forecasting of detection and attribution of heat waves and warm nights** Presentation slides Video recording	Harilaos Loukos (The Climate Data Factory)
10:40 to 11:00	**Coffee break**	
11:10 to 13:00	**Themed session: Ensemble forecast applications and products** Chair: Umberto Modigliani (ECMWF)	

11:10 to 11:30	**Analog Ensemble Forecasting System for Low-Visibility Conditions over the Main Airports of Morocco** Presentation slides Video recording	Badreddine Alaoui (DGM (Morocco))
11:30 to 11:50	**Is it possible to identify areas at flash flood risk with global rainfall forecasts? A comparative study between ECMWF ensemble and point-scale post-processed rainfall forecasts** Presentation slides Video recording	Fatima Pillosu (ECMWF)
11:50 to 12:50	**Speakers' Corner** • Meteograms with changing resolution and visibility meteograms – Cihan Sahin • ECMWF's convection-related products - Ivan Tsonevsky • Precipitation Type including the new freezing drizzle type – Tim Hewson • Extended range – Fernando Prates • New snow scheme - Gabriele Arduini Presentation slides Video recording	
12:50 to 13:00	**Concluding remarks** Video recording	Florian Pappenberger (ECMWF)