



Annual Seminar 2026

Programme

Monday Agenda

Agenda time displays according to the selected time zone.

The selected timezone is Europe/London

	Arrival and opening	
13:00 to 13:30	Registration and coffee	
13:30 to 13:45	Welcome and opening	Director of Science and Innovation (ECMWF)
13:45 to 14:00	Practicalities	Tony McNally (ECMWF)
	Session 1	
14:00 to 14:45	An overview of atmospheric Data Assimilation	Jean-François Caron (Environment and Climate Change Canada)
14:40 to 15:30	Developments in ocean data assimilation and coupling to the atmosphere	Philip Browne (ECMWF)
15:30 to 16:00	Coffee break	
16:00 to 16:45	Overview of land data assimilation and land-atmosphere coupling options for NWP	Clara Draper (CIRES / NOAA ESRL PSD)
16:45 to 17:30	Coupling methodology approaches and the example of application to land / atmosphere interactions	Christoph Herbert Sebastien Massart (ECMWF)
	Posters and drinks reception	
17:30 to 17:55	Express poster presentations	
18:00 to 19:30	Poster session and drinks reception	

Tuesday

Agenda

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	Session 2	
09:00 to 09:45	Adapting Data Assimilation methods for Atmospheric Composition	Antje Inness (ECMWF)
09:45 to 10:30	Adapting Data Assimilation methods to reanalysis	Žiga Zaplotnik (European Centre for Medium-Range Weather Forecasts)
10:30 to 11:00	Coffee break	
11:00 to 11:45	Uncertainty characterisation in Data Assimilation	Loïk Berre (Météo-France)
11:45 to 12:30	Approaches for diagnosing random and systematic errors in observations	Sarah Dance (University of Reading)
12:30 to 13:30	Lunch break	
13:30 to 14:15	Accounting for systematic model error in Data Assimilation	Patrick Laloyaux (ECMWF)
14:15 to 15:00	The particular challenges of Data Assimilation for Tropical Cyclones	Giovanna De Chiara (ECMWF)
15:00 to 15:30	Coffee break	
15:30 to 16:15	Operational Data Assimilation systems for time-critical applications	Emiliano Orlandi (ECMWF)
16:15 to 17:00	Audience discussion	

Wednesday

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	Session 1	
09:00 to 09:45	MTG and EPS-SG, Europe's most advanced operational satellites for Numerical Weather Prediction	Dorothee Coppens (EUMETSAT)
09:45 to 10:30	DANTEX: Advancing the exploitation of Europe's future satellite observations in coupled data assimilation	Philippe Goryl (ESA)
10:30 to 11:00	Coffee break	
11:00 to 11:45	The forensics of CAL/VAL of new satellites observations	Chris Burrows (ECMWF) David Duncan (ECMWF)
11:45 to 12:30	The assimilation of current and future in-situ observations	Magnus Lindskog (ECMWF)
12:30 to 13:30	Lunch break	
13:30 to 14:15	Recovering historical observations for climate reanalysis	Bill Bell (ECMWF)
14:15 to 15:00	When observations confront highly nonlinear physical processes	Marta Janiskova (Former ECMWF)
15:00 to 15:30	Coffee break	
15:30 to 16:15	Assessing the value and impact of the current observing system	Chiara Piccolo (UK Met Office)
16:15 to 17:00	Predicting the impact of future observing systems: guiding satellite deployment and SOFF	Katie Lean (ECMWF)
17:00 to 17:30	Audience discussion	

	Seminar dinner
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17:30 to 18:00	Pre-dinner drinks
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	Pre-dinner drinks
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18:00 to 20:00	Dinner
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	Dinner
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Thursday Agenda

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	Session 4	
09:00 to 09:45	Emulating background errors for Data Assimilation with ML	Wei Pan (ECMWF)
09:45 to 10:30	Accelerating Data Assimilation systems with ML	Selime Gurol (CERFACS) Vincent Chabot (Météo France)
10:30 to 11:00	Coffee break	
11:00 to 11:45	Modelling interface observations with ML	Iris de Gélis (Estellus-MW and Observatoire de Paris)
11:45 to 12:30	Hybrid ML coupled Data Assimilation of interface observations	Alan Geer (ECMWF)
12:30 to 13:30	Lunch break	
13:30 to 14:15	Latent space Data Assimilation	Boštjan Melinc (University of Ljubljana)
14:15 to 15:00	Using Data Assimilation and ML to correct forecast systems with observations	Alban Farchi (ECMWF) Marcin Chrast (ECMWF)
15:00 to 15:30	Coffee break	
15:30 to 16:15	Emulating the full Data Assimilation process with ML	Jan Keller (Deutscher Wetterdienst)
16:15 to 17:00	End-to-end real-time weather forecasting with ML	TBC

Friday Agenda

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	Session 5	
09:00 to 09:45	The prospects for future ML climate reanalysis directly from observations	Peter Lean (ECMWF)
09:45 to 10:30	The future of Data Assimilation in the AI-revolution	Steve Penny (Sofar Ocean)
10:30 to 11:00	Coffee break	
11:00 to 11:45	Final audience discussion	
11:45 to 12:30	Discussion and conclusion	