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-Francois 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 (ECMWF) 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

Agenda time displays according to the selected time zone.

The selected timezone is Europe/London

	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**	Ziga Zaplotnik (ECMWF)
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
Agenda

Agenda time displays according to the selected time zone.

The selected timezone is Europe/London

	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	
17:30 to 18:00	**Pre-dinner drinks**	
18:00 to 20:00	**Dinner**	

Thursday
Agenda

Agenda time displays according to the selected time zone.

The selected timezone is Europe/London

	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
14:15 to 15:00	**Using Data Assimilation and ML to correct forecast systems with observations**	Alban Farchi (ECMWF) Marcin Chrust (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 Machine Learning**	Eulalie Boucher Mihai Alexe (ECMWF)

Friday
Agenda

Agenda time displays according to the selected time zone.

The selected timezone is Europe/London

	Session 5	
09:00 to 09:45	**The prospects for future Machine Learning climate reanalysis directly from observations**	Ewan Pinnington 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**	