



WCRP hybrid symposium on Frontiers in Subseasonal to Decadal Prediction

28 March 2023, ECMWF Reading, UK and online

Programme (as of March 23, 2023)

(all times are British Summer Time, GMT+1)

Topic areas



Keynote



Machine learning



Modelling and data assimilation



Applications

Time	Speaker/affiliation	Title	Location	Topic(s)
8:30-8:45	Arrival & setup			
8:45-9:00	Bill Merryfield (ECCC)	Introductory remarks	in person	
9:00-9:30	Francisco Doblas-Reyes (BSC)	The bone and the marrow: some suggestions for the future of climate prediction	remote	
9:30-10:00	Peter Dueben (ECMWF)	Destination Earth and the future of climate information	remote	
10:00-10:30	Hans Hersbach (ECMWF)	Prospects for Earth system reanalysis at ECMWF: ERA6 and beyond	in person	
10:30-11:00	Break			
11:00-11:30	Andrea Alessandri (ISAC)	The role of vegetation in climate predictability and prediction	in person	
11:30-12:00	Ariane Frassoni (IPNE)	The role of aerosols in climate predictability and prediction	remote	
12:00-12:30	Chris Roberts (ECMWF)	Toward resolving the ocean mesoscale: challenges and potential benefits	in person	
12:30-13:30	Lunch			
13:30-14:00	Elizabeth Barnes (CSU)	Explainable AI for Climate Science: Detection, Prediction and Discovery	remote	
14:00-14:30	Andrea Molod (NASA GSFC)	Use of assimilation increments for bias correction and predictability studies	remote	
14:30-15:00	Tatiana Ilyna (MPI)	Multi-year prediction of the global carbon cycle and potential policy implications	remote	
15:00-15:30	Break			
15:30-16:00	Michael Jacox (NOAA)	Application of subseasonal to decadal predictions to marine ecosystem management	remote	
16:00-16:30	Donald Lucas (LLNL)	Improving seasonal forecasts using probabilistic deep learning	remote	
16:30-17:00	Jin-Ho Yoo (APCC)	Current and future directions for development of subseasonal to multiseasonal climate services	in person	
17:00-17:15	June-Yi Lee (PNU)	Concluding remarks	in person	