

# 16th Workshop on meteorological operational systems

1 – 3 March 2017



## Programme

### Wednesday 1 March

13:30-14:00	<b>Registration</b>	Concourse
14:00-14:10	Opening address	Florian Pappenberger (ECMWF)
14:10-14:15	Organisational notes	Stephan Siemen (ECMWF)
<b>Session – Data Services</b>		
14:15-14:40	ECMWF Data Services	Helene Blanchonnet (ECMWF)
14:40-15:00	Copernicus Climate Data Store Toolbox	Angel Alos (ECMWF)
15:00-15:30	<b>Coffee break</b>	
15:30-16:00	GEOSS Common Infrastructure and the Big Data challenges	Mattia Santoro (CNR-IIA)
16:00-16:30	Accessing Multi-TB-sized Datasets at NCAR's Research Data Archive	Douglas Schuster (NCAR)
16:30-16:50	Technical implementation of the EUMETSAT Data Services Roadmap	Michael Schick (EUMETSAT)
16:50-17:10	Drawing from the experience of Helix Nebula: collaboration between private sector and data providers in the scientific domain	Wolfgang Lengert (ESA)
17:10-17:30	The NOAA Big Data Project: Vision and approach	Andy Bailey (NOAA/NWS)
17:30	<b>Drinks reception</b>	

### Thursday 2 March

#### Session – Visualisation systems

09:15-09:40	Metview 5.0 and Beyond, to its Pythonic Future	Iain Russell (ECMWF)
09:40-09:50	Update on ecFlowUI – visualising complex workflows	Sándor Kértész (ECMWF)
09:50-10:10	Canvas-grid - a new NWP data visualization for NinJo	Sören Kalesse (DWD)
10:10-10:30	Visual Weather - The Most Wanted Features	Michal Weis (IBL)
10:30-10:50	Ensemble and 3D visualization with Met.3D – recent research and software updates	Marc Rautenhaus (TU Munich)
10:50-11:20	<b>Coffee break</b>	
11:20-11:40	Plymouth Marine Laboratory Web Based Geographic Information System	Oliver Clements (PML)

11:40-12:00	Windytv and the Future of Meteorological Visualisations	Ivo Lukacovic (Windytv)
<b>Session – Data Services</b>		
12:00-12:20	Realizing the value of meteorological data	Glenn Carver (ECMWF)
12:20-12:40	Recent developments of the NWP forecast system at DWD, based on ICON and COSMO-DE	Thomas Hanisch (DWD)
12:40-13:00	WOW: Crowd Sourced, Citizen Science and Opportunistic Weather Observations at the Met Office	Jake Brown (UK Met Office)
13:00-14:00	<b>Lunch break</b>	
<b>Session – Web standards</b>		
14:00-14:20	OGC Open Geospatial Consortium and Met Ocean Domain Working Group	Chris Little (UK Met Office)
14:20-14:40	A revolutionary approach to multi-dimensional data access of gridded datasets using current and proposed OGC Web Coverage Service Standards (The Met-Ocean Application Profile)	Pete Trevelyan (UK Met Office)
14:40-15:00	Scaling data access in Visual Weather	Jozef Matula (IBL)
15:00-15:30	<b>Coffee break</b>	
15:30-15:50	First experiences of using WC(P)S service at ECMWF	Julia Wagemann (ECMWF)
15:50-16:10	Application of web processing services in the climate4impact.eu portal	Ernst de Vreede (KNMI)
16:10-18:00	<b>Exhibition (Weather Room)</b>	
	Reception with drinks during exhibition from 17:00	
18:15	Coach to town centre	
19:30	<b>Workshop dinner at Carluccio's, Reading town centre</b>	
<b>Friday 3 March</b>		
<b>Session – Operational system developments</b>		
09:25-09:40	New software developments at ECMWF	Stephan Siemen (ECMWF)
09:40-10:00	Maximising user benefit using data streams	Bard Saa (Met Norway)
10:00-10:20	SmartMet Server – Providing MetOcean Data	Roope Tervo (FMI)
10:20-10:40	Scheduling parallel production in the world of containers	Martin Grønlien Pejcoch (Met Norway)
10:40-11:10	<b>Coffee break</b>	
11:10-11:30	Weather forecast improvements at the UK Met Office: responding to the big data challenge	Vicky Pope (UK Met Office)
11:30-11:50	JASMIN and the adoption of cloud-native architecture for managing data and compute at scale	Philip Kershaw (STFC Rutherford Appleton Laboratory)
11:50-12:10	Building rich and interactive web applications with CoverageJSON	Jon Blower (University of Reading)
12:10-12:30	Developing web services for ECMWF	Sylvie Lamy-Thepaut (ECMWF)
12:30-13:00	<b>Closing session: Trends and future developments</b>	

