

- ○ Local Centre Meetings ^[1]
- West Midlands Local Centre ^[2]

Date: Thursday 20 February 2020

Time: 16:00 - 17:00

Location:

University of Birmingham
Room 125, Geography Building
Edgbaston
Birmingham
West Midlands
B15 2TT
United Kingdom

Email:

meetings@rmets.org ^[3]

SPEAKER| Dr Bernd Eggen,
Copernicus Climate Service
Coordinator at Met Office
Hadley Centre

ABSTRACT| Copernicus is the largest Earth Observation programme, jointly funded by the European Commission and the European Space Agency to the tune of approx. 1 billion Euros/year. Apart from designing, building and launching of satellites (the ?Sentinels?), Copernicus has six service areas, several of which are of direct interest to scientists working in meteorology and climate change ? these are:
Copernicus Climate Change

Service (C3S), Copernicus Atmosphere Monitoring Service (CAMS), Copernicus Emergency Management Service (EMS). Dr Eggen works predominantly in C3S, and this service area has recently seen the release of operational applications in the health, insurance, tourism and transport sectors, with more sectors to follow soon. These applications, designed for sectoral decision makers, are now available on the Climate Data Store (CDS), which is a centrepiece of the Copernicus services. Climate and atmospheric data are freely available on the CDS, and can either be processed online (in the cloud?) or downloaded via a user-friendly interface; the data sets currently include seasonal data predictions from multiple European centres, reanalysis data (e.g. ERA5) and climate projections (CMIP5, CORDEX). More data sets will be added, including CMIP6 projections, decadal predictions and projections relevant to attribution studies. Dr Eggen will explore and demonstrate this growing (and free!) resource.

Source URL:<https://accsys.rmets.org/events/copernicus-climate-change-service-climate-data-store#comment-0>

Links

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