

Webinar Series



Constructing a Digital Environment

Topic: ACRE and International Global Weather Data Rescue

Speaker: Prof. Rob Allan

Time: Friday 18th March 11:00 GMT

Registration and further details:

https://ukri.zoom.us/webinar/register/WN_9odfE46BQI63U0wTm24Gzg

During the 1990s, Rob worked at the then CSIRO Division for Atmospheric Research in Melbourne, Australia. In mid-2000, he moved to the Hadley Centre in the UK Met Office where he led the development of both the Hadley Centre monthly global mean sea level pressure (MSLP) data set (HadSLP2), and a daily MSLP product over the North Atlantic-European region back to 1850.

In mid-2007, he created the International Atmospheric Circulation Reconstructions over the Earth (ACRE) Initiative (<http://www.met-acre.net/>), and has coordinated all of its activities since. This involves overseeing, undertaking, and facilitating historical global surface terrestrial and marine instrumental weather data recovery, imaging, digitisation, and curation, plus ensuring that these data feed into the international repositories responsible for such material, and seeing that they provided the best quality and quantity of weather observations for assimilation into all historical and contemporary global reanalyses or reconstructions of 4D weather (e.g., 20CR).



In this webinar, Rob will discuss the full nature of ACRE and its role as the prime driving force behind ongoing rescue of global historical surface instrumental weather observations and their enhancement of global historical reanalyses.

The **NERC Constructing a Digital Environment (CDE) programme** is running a series of online Webinars, aiming to develop the digitally enabled environment, benefitting scientists, policymakers, businesses, communities and individuals. The fifth seminar series covers efforts to augment the range of data that are available for use in environmental research by harness existing sources of data sources in various forms in innovative ways. This includes data digitisation, data rescue, and repurposing of data to enable use for new purposes beyond their original application. The webinar series will cover activities spanning each of these efforts, which are enabling new value to be delivered from existing sources of data.



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