Natural Environment Research Council

Webinar Series

Constructing a Digital Environment

Theme: **Data management and analytical tools for environmental science**

Title: **Overview of JASMIN**

Speaker: **Ag Stephens**

Time: **Friday 14th January 2022 11:00GMT**

Registration and further details: https://ukri.zoom.us/webinar/register/WN_9odfE46BQI63U0wTm24Gzg

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As Head of Partnerships at the Centre for Environmental Data Analysis (CEDA) (https://www.ceda.ac.uk), Ag has 20 years of experience in atmospheric and earth observation data management and software development. Ag manages the development of the UK Climate Projections (UKCP18) User Interface and data services and is the lead developer for the CEDA Web Processing Services (WPS). The latter are deployed for CEDA as well as supporting the delivery of large climate model datasets, such as CMIP6, to the Copernicus Climate Change Service (C3S). Working on a long-term secondment at the Met Office, he works closely with colleagues in NERC and the Met Office to explore and foster data-related collaborations.

In this webinar, Ag will describe the JASMIN data analysis facility for environmental science (https://jasmin.ac.uk). JASMIN provides a unique infrastructure supporting large-scale data analysis, collaboration on big scientific data sets, access to Petabytes of environmental data and a range of computing and storage solutions. Ag will present an overview of JASMIN alongside some real user stories that demonstrate its capabilities.

The fourth seminar series the NERC Constructing a Digital Environment (CDE) programme is running is led by the NERC Environmental Data Service (NERC EDS) and focusses on research data management and the analytical tools available to support researchers in the environmental sciences. The EDS provides a focal point for NERC's scientific data and information. It consists of a network of five data centres which curate data from environmental scientists working in the UK and around the world. This series showcases the services provided by the EDS and illustrates how it supports the open data agenda. We will hear how tools developed by the EDS enable interoperability, support large-scale data analysis and facilitate multi- and trans-disciplinary research.

https://digitalenvironment.org/cde-webinar-series