

Title:

Data repository management in the environmental sciences in the UK

Abstract:

The [UK's Natural Environment Research Council \(NERC\)](#) funds a federation of environmental data repositories, with a long term mission to support the academic community by providing digital curation, data management, and other data tools, services and visualisations. Having been in operation for ~20+ years, this gives us a wide range of experience from which to draw. This presentation will introduce the [NERC data centres](#), give an overview of the vast range of data types and domains covered, and provide some (hopefully helpful) hints and tips about how to manage a digital repository for the geosciences, given the constraints in play.

Bio:

Dr Sarah Callaghan is a senior scientific researcher and programme manager for the [Centre for Environmental Data Analysis \(CEDA\)](#), at STFC Rutherford Appleton, UK. CEDA also incorporates the British Atmospheric Data Centre, the NERC Earth Observation Data Centre, the IPCC Data Distribution Centre, and the UK Solar System Data Centre. CEDA also collaborates with the STFC Scientific Computing Department, to host the [JASMIN super-data-computer](#). She is EditorinChief for the [Data Science Journal](#) and is a member of the CODATA Executive Committee. She is Communications Manager for the NERC Data Operations Group working with members of the other NERC data centres to share expertise and best practice. She has experience of both creating and managing large datasets, and so understands well the frustrations that scientists can experience as a result of dealing with data.