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# UKCCSRC Data and Information Archive Briefing

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# This briefing

Introduction to the UKCCSRC Data and Information Archive

Recent developments

Research data management requirements and timescales

Using the archive

- Adding data
- Linking to data already deposited elsewhere
- Important principles

# Introduction

## The UKCCSRC Data and Information Archive

Holds digital data outputs generated by UKCCSRC and EPSRC-funded projects and makes them available long-term to search and download – a UK national CCS data archive.

### Recent developments:

- Presentations and posters from UKCCSRC events added
- Call 1 projects outputs expected soon
- EPSRC research data management expectations

# Research Data Management Requirements

## **UKCCSRC requirements :**

- Call 1 and 2 projects “must work with the UKCCSRC CCS Data Hub champions to ensure that data produced from the project is archived appropriately throughout the lifecycle of the project and at the conclusion.”
- Recent EPSRC projects also required to archive data with the UKCCSRC

## **EPSRC policy framework on research data in effect since 1 May 2015:**

- Data supporting published research papers to be archived before publication and access to the data described in the paper
- Online metadata to be created within twelve months of data generation
- EPSRC-funded research data to be securely preserved for a minimum of ten years (data of longterm value)

# The UKCCSRC Data and Information Archive

## How to add data

- The metadata form – information required
- Submit by email - [ukccsrc\\_data@bgs.ac.uk](mailto:ukccsrc_data@bgs.ac.uk)
- Support available (Mary/Maxine/Rod)

## How to link data that's already deposited elsewhere

- Link to place of deposit
- Streamline archiving process – making as easy as possible

## Important features

- Embargos



[www.bgs.ac.uk/ukccs](http://www.bgs.ac.uk/ukccs)



A screenshot of the UKCCS Data and Information Archive website. The header includes the UKCCS logo and the text "The UKCCSRC is supported by the EPSRC as part of the RCUK Energy Programme". A navigation menu contains links for "home", "about", "how to submit data" (highlighted with a green circle), "search", "projects", "people", and "keywords". Below the navigation is a red banner with the text "UK Carbon Capture &amp; Storage Research Centre (UKCCSRC) Data and Information Archive". The main content area includes a search box for "Search projects and datasets" with a "go" button and the text "case insensitive". To the right, there are links for "Browse alphabetical lists" and three sub-links: "A-Z list of people with datasets available", "A-Z list of projects with datasets available", and "A-Z list of keywords applied to available datasets". At the bottom, there is a "Latest Projects" section with a list of five projects, each with a red numbered icon and a brief description.

Data Management Questionnaire – good starting point

Send data by email, ftp or dropbox

[ukccsrc\\_data@bgs.ac.uk](mailto:ukccsrc_data@bgs.ac.uk)

Submission guidelines:

<http://www.bgs.ac.uk/ukccs/submit.html>

# Metadata – Description of dataset

Provides information that enables a user to find out if a resource exists, its location, ownership and if it meets their requirements

- One Metadata Record to describe each dataset
- Describe dataset rather than project
- Put thought into a good title and abstract
  - Clear, correct, concise & distinctive

If enough info in University Archive we can use this

- also metadata form available

# Links with Institutional Archives

Avoid duplication/submitting data to more than one place

If you archive project data in your Institutional Archive  
(e.g. DataShare at University of Edinburgh)

- You can provide the link to the online location to us
- UKCCSRC Archive will link to the data

If you have no other Archive available, you can deposit data with the UKCCSRC Archive

- ukccsrc\_data@bgs.ac.uk (Mary/Maxine)





# What data should be archived?

‘what data are we expected to keep and make available’?

Data that

- underpins publications
- validates research findings
- is worth keeping

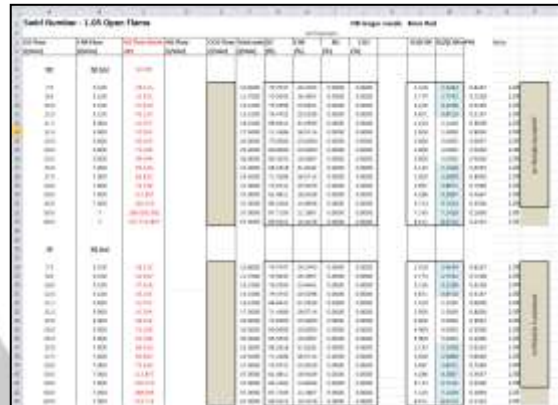
Importantly

- validity of the published research findings are testable
- DOI can be issued so data can be cited

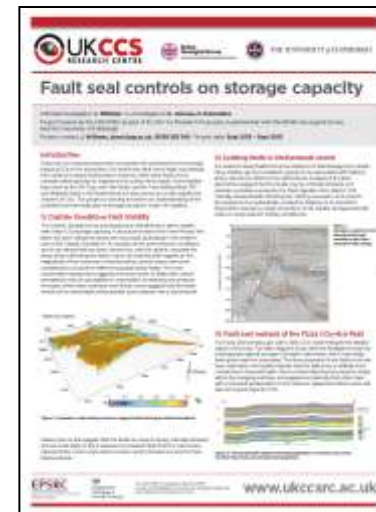
# What should you archive?

## Examples of CCS project outputs:

- Data files
- Reports
- Presentations
- Posters
- Papers
- Images
- Educational materials



The screenshot shows a software window titled 'Fault Orientation - 1.05 Open Flares'. It contains a large table with multiple columns, including 'Fault Name', 'Strike', 'Dip', 'Length', 'Area', and 'Volume'. The table lists various faults and their associated parameters. The interface also includes a sidebar on the left with a tree view and a main area with a 3D visualization of the faults.



**i.e. any useful information, not solely data files!**

# Good Data Management Practice

Now an EPSRC Requirement

Data archiving is just not an 'end of project' activity

- Data management throughout the lifetime of the project
- Collection of metadata (info about your data sets)
- Identify data of long-term interest as it is created
- Data should be well presented and described

Data Centre staff (Mary, Maxine, Rod) can visit and help

# What about restricted/confidential data?

The default position is data should be **open**

If any restrictions

- Must be valid/reasonable
- Metadata - including a statement explaining restriction
- Data can be held in embargo for a specified period

Examples of data which could be withheld –

- Confidential information
- External industry data
- Commercial interest

**Agree from outset/during project - don't wait until end!**

# Summary

## EPSRC Requirements Time Line

- Data should be archived & accessible **before** any publications
- Metadata within 1 year of data generation

## Take data archiving seriously as project progresses

- Simple process
- Manage data properly and securely
- Deal with all confidentiality or 3rd party issues
- Record appropriate and good metadata
- Deliver data to Institutional Archive or UKCCSRC Archive
- Provide link to Institutional Archive for UKCCSRC Archive

Help available – email [ukccsrc\\_data@bgs.ac.uk](mailto:ukccsrc_data@bgs.ac.uk)