

An open online learning resource



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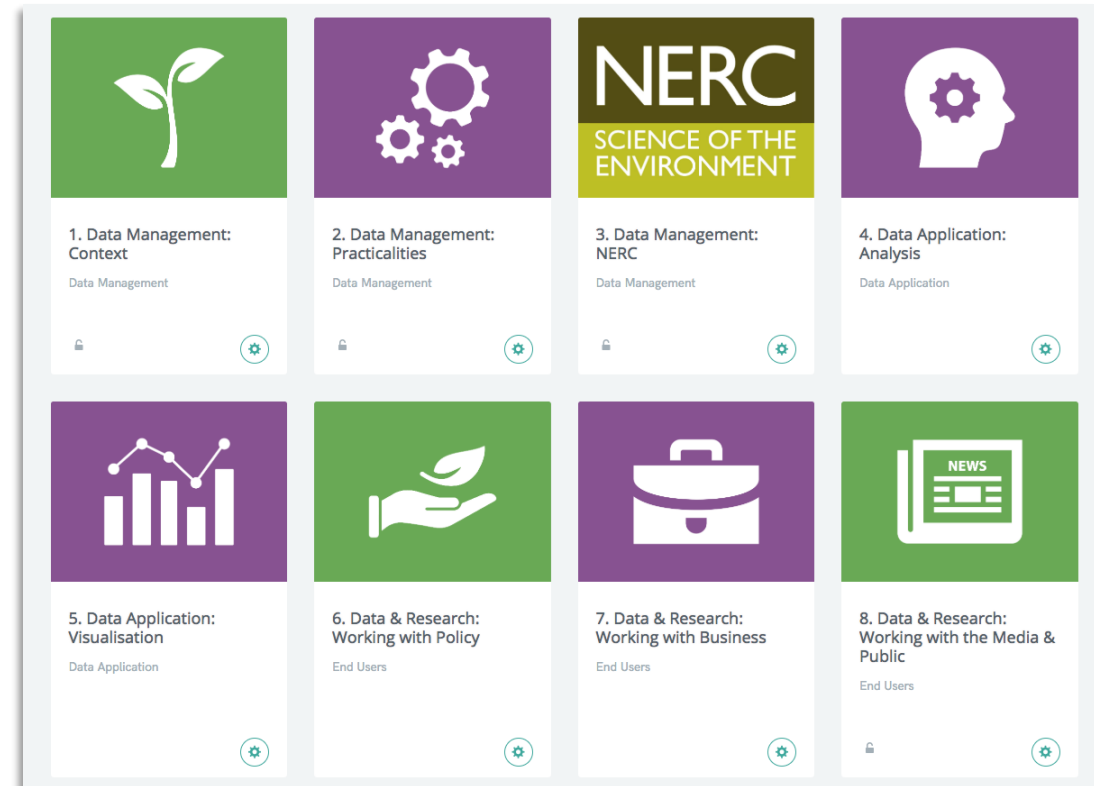


Outline

- Contributors
- Data Tree – learning resource
- Focus on module 1: Context
- Thoughts and reflections



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Contributors

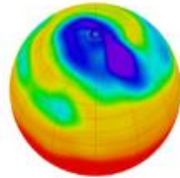


University of
Reading



**Centre for
Ecology & Hydrology**

NATURAL ENVIRONMENT RESEARCH COUNCIL



**Centre for Environmental
Data Analysis**

SCIENCE AND TECHNOLOGY FACILITIES COUNCIL
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**Science & Technology
Facilities Council**

Stats4SD



ASSIMILA

IOP Institute of Physics



A collage of three images. The largest image on the left shows a woman with long brown hair, wearing a green patterned top, smiling and looking towards a professional video camera. In the top right corner, there is a smaller inset image of a woman with brown hair in a ponytail, wearing a white lab coat and blue gloves, holding a small object up to the light. In the bottom right corner, there is a green graphic element that looks like a folded piece of paper or a card. It has three horizontal white lines at the top and some text that is partially cut off: "Look at", "and try", "of three", "checks yo", "want".

















- PhD & early career researchers
- Environmental science
- Video, animations, quizzes



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- Modular, & certificates for successful completion
- Glossary & searchable for problem solving
- CPD accredited

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 1. Data Management: Context Data Management 	 2. Data Management: Practicalities Data Management 	 3. Data Management: NERC Data Management 	 4. Data Application: Analysis Data Application 
 5. Data Application: Visualisation Data Application 	 6. Data & Research: Working with Policy End Users 	 7. Data & Research: Working with Business End Users 	 8. Data & Research: Working with the Media & Public End Users 

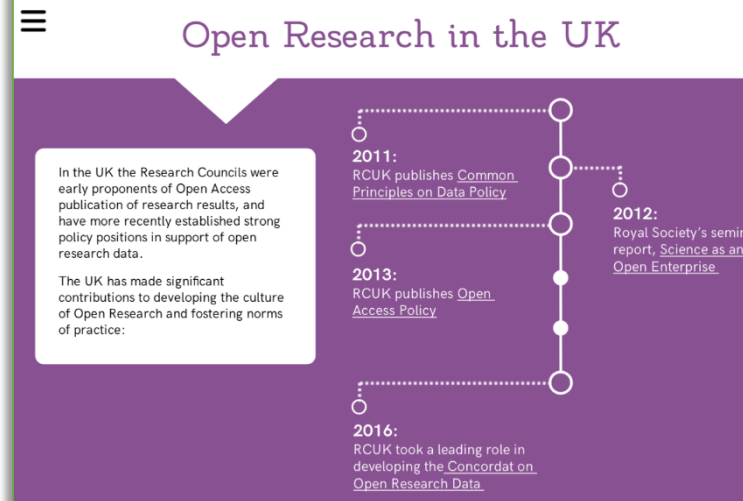


Data Management - Context

- Research data lifecycle
- Sharing data
 - open & FAIR data
 - licensing
 - data publishing
- Data ethics
- Reproducibility
 - Programming



Original Source UK Data Service 2011



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1. Data Management:
Context



Thoughts & reflections

- Benefits of **open**
- Challenges of **free**
- Engaging the audience
 - Social media
 - Marketing
- Research data management community



Big Data & the Environment

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ONLINE COURSE

Big Data and the Environment

From sources such as satellites, sensors and social media, how can environmental data analytics benefit business and research?



[Join course for free](#)

Overview

Topics

Start dates

Requirements

Educators

The CPD CERTIFIED logo is located in the bottom left corner. It features a white circle with the text "CPD CERTIFIED" and "The CPD Certification Service" below it, set against a background of a globe.

The BIG DATA AND THE ENVIRONMENT logo is located in the bottom center. It features the text "BIG DATA AND THE ENVIRONMENT" in white on a dark blue background.

3-week free course

Starts March 25th

Registration open now

BIG DATA
AND THE
ENVIRONMENT

FUN FACTS

The latest satellites and analysis techniques mean that individual palm trees can be spotted from space.

An illustration of a satellite is located in the bottom right corner. It is a white satellite with solar panels, set against a dark background.

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Data Management



Data Application



Engaging End-users

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