

#### Centre for Environmental Data Archival

SCIENCE AND TECHNOLOGY FACILITIES COUNCIL NATURAL ENVIRONMENT RESEARCH COUNCIL

# Introduction to CEDA

Thanks to all contributors:

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- NERC data centres
- What is "CEDA"?
- Data users
- Data providers
- JASMIN users



### **NERC Data Centres**

The UK's Natural Environment Research Council (NERC) funds six data centres which between them have responsibility for the long-term management of NERC's environmental data holdings.









The NERC Data Catalogue Service (DCS) allows data held by all NERC data centres to be located by users.

### **Data Discovery**



About the DDS
Search for data
Results

Discovery metadata within this portal are being continually improved. More records will be added over the next few months.

#### NERC Data Policy

The NERC Data Policy details our commitment to support the long-term management of data.

Find out more about our Data Policy

#### NERC Metadata Standard

The NEDC Matedate Standard

#### Data Discovery Service (DDS)

The Earth changes constantly and understanding the past plays an important role in the prediction of future change. The data collected by NERC provide a unique and irreplaceable environmental record.

The NERC Data Centres are responsible, in accordance with the NERC Data Policy, for preserving NERC's data for the long term and for providing access to it as needed.



Monitoring Earth from space



What can I do and get from the DDS?

#### How can I find NERC's data? The DDS allows you to search a

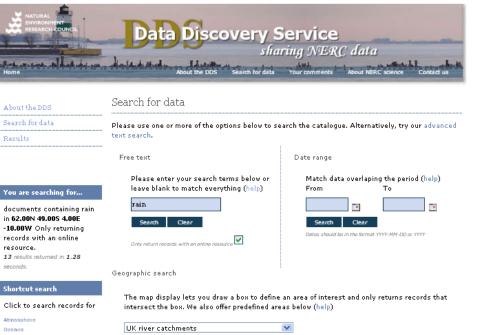
catalogue of metadata (information describing data) to discover and gain access to NERC's data holdings and information products. The metadata are prepared to a common NERC Metadata Standard and are provided to the catalogue by the Data Centres.

You can interrogate the catalogue in the way that best fits yo searching for specific words or phrases, and/or a particular to NERC Data Catalogue Service targeting specific metadata fields or search the records as a whole data-search.nerc.ac.uk

The abstracts that are displayed alongside the results of your search v investigate further. We also indicate which records carry a link to an online resource. The full details of ea



### **Data Discovery**





Bookmark with:

Select a UK river catchment	~	Search	Clear area



NERC Data Catalogue Service data-search.nerc.ac.uk







You are searching for...

documents containing rain



view geographic coverage

in 62.00N 49.00S 4.00E -10.00W Only returning records with an online	20 💟 Change the number of results per page.				
		Dataset description			
resource. 13 results returned in 4.07 seconds.	1.	<ul> <li>Met Office - MIDAS Land Surface Stations data Land surface observations data from the Met Of network and other world wide stations as stored</li> </ul>			
Edit this search Bookmark these		MIDAS database. Data are available for the per present. The dataset comprises daily and hourl measurem [more]			
results with:	2.	Met Office - Land Surface Stations data (1900- Historic land surface observations data from th station network. Data are available for the perio for daily measurements. Hourly observations ar			

#### Dataset description urce type Land Surface Stations data (1853-current) series yes ations data from the Met Office station orld wide stations as stored in the Met Office ata are available for the period 1853 to t comprises daily and hourly weather Inface Stations data (1900-2000) series yes observations data from the Met Office a are available for the period 1900 to 1999 nts. Hourly observations are for now available back to January 1985. The dataset comprises daily and hou... [more] 3. Bolton Experiment series yes Microwave attenuation and rain gauge data from the Bolton experiment 4. Chilbolton Facility for Atmospheric and Radio Research (CFARR) series yes Data from observations made using Chilbolton Facility for Atmospheric and Radio Research (CFARR). The Science and Technology Facilities Council (STFC) facility at Chilbolton Observatory, Hampshire (51.1445N, 1.4270W) is the home of many observatio... [more] 5. Time series of water levels and chemical parameters in Blind dataset UP: Beck and Low Hall stream, Eden Time series data (15 minute resolution) was collected using the WISER station on Blind Beck (NY 753131) and on a tributary of Blind Beck (Low Hall stream NY 753130), to investigate the different flow pathways suggested by the different chemical si... [more]

6. Monitoring of the Blind Beck subcatchment of the River Eden,

### **NERC Data Catalogue Service** data-search.nerc.ac.uk





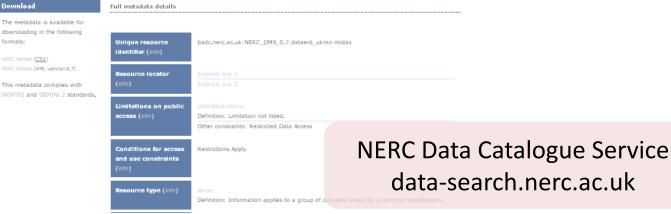
#### Provide feedback Details About the DDS Search for data Title: Met Office - MIDAS Land Surface Stations data (1853-Geographic extent current) Abstract: Land surface observations data from the Met Office station network and other world wide stations as stored in the Met Office MIDAS database. Data are available for the period 1853 to present. The dataset comprises daily and hourly weather measurements, hourly wind parameters, max and min You are searching for... air temperatures, soil temperatures, sunshine duration and radiation measurements and daily, hourly and sub-hourly rain documents containing rain in 62.00N 49.00S 4.00E measurements and some climatology data. -10.00W Only returning Resource locator: records with an online Link to external data(1) 13 results returned in 0.40 The metadata covers the area West Link to external data(2) - East from -180.0° to 180.0° and Conditions for access and use constraints: Restrictions Apply North - South from 90.0° to -90.0°. Search for all metadata within this Responsible party - Distributor area. Data Center Contact Position: Data Center Contact 🗏 KML Telephone: +44 (0) 1235 44 64 32

# Full metadata details

Results

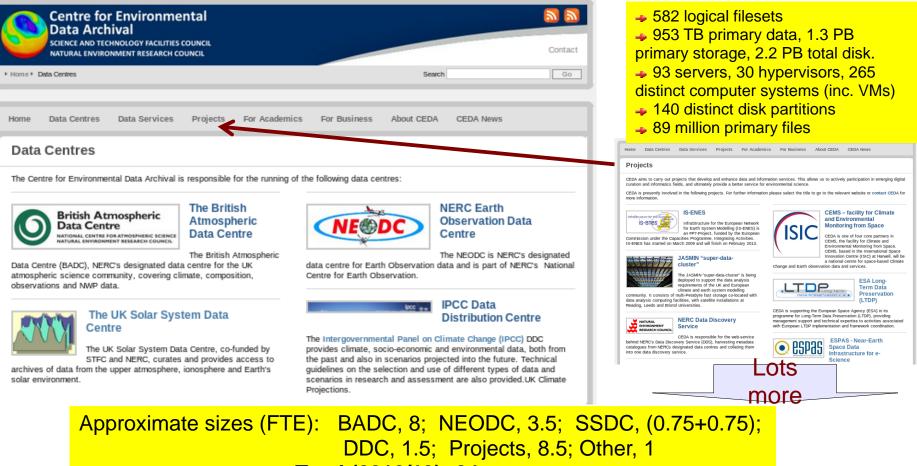
resource.

seconds.



# What is CEDA?

#### www.ceda.ac.uk



Total (2012/13): 24

# Our User Community

We provide data services for atmospheric and earth observation scientists who come to us as:

- Data users
- Data providers
- JASMIN users





### **User Registration**

- Free & Easy Online Registration from either the BADC or NEODC.
- One account for access to either data centre.
- Registration is once and for all You do not need to re-register

#### Go to http://badc.nerc.ac.uk/MyBADC



✓ completion of a form for basic information about you,

✓ choice of a username and password

✓ BADC Conditions including Data
 Protection Policy which the user must
 abide by to become a CEDA user.

New User Registration Step-by-Step Web Guide available.

Problems with registering? Contact CEDA Support (support@ceda.ac.uk)



### **User Registration**

Get Data	Access Rules	Submit Data
ser registration		
ms marked * must be completed		
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mail Address* Please use your institute email add elephone number	dress	
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e.g name of University Enter 'none' if not applicable		
ountry*	<b>T</b>	
epartment (if appropriate)		
egree you are studying for or RMS ')	<b></b>	
upervisor's name		

Problems with registering? Contact CEDA Support (support@ceda.ac.uk)

Disclaimer

Contact

Home



### **Types of CEDA Accounts**

#### UWeb/FTP access account:

By default, upon registration, all CEDA users are set up with a web/FTP access account. This allows CEDA users to access data and services over the web interface and also to download data via FTP (<u>ftp.ceda.ac.uk</u>) on their local machine.

#### **JASMIN System account:**

This type of account is dedicated to those who require access to JASMIN Services (including HPC). Beyond registering as a CEDA users, there are additional steps that must be completed to get a login account on a login machine on the JASMIN network as detailed at:

http://www.ceda.ac.uk/help/users-guide/jasmin-cems-access/



# **Social Media Tools**

The CEDA News service will post the most recent announcements including interruptions to services and new dataset and service releases.

Please follow us on Twitter, Facebook or using our RSS or Atom feeds.



In addition to the above, CEDA Users may be directly contacted via the CEDA mailing list.



# **JASMIN Mailing List**

- Distribution-only mailing list through JISCMail for all JASMIN Users
- New JASMIN users are automatically added upon being granted access to the JASMIN network
- The JASMIN Mailing list is used to warn users of upcoming disruption or release of new services associated to the JASMIN infrastructure



# **CEDA Helpdesk**

For all enquiries related to CEDA activities:

## Email address: <u>support@ceda.ac.uk</u> Twitter: <u>@CEDAnews</u> Telephone/Voicemail: +44 (0) 1235 44 64 32