Centre for Environmental Data Analysis

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Key facts

- 4 data centres
- 183 million files
- 3PB online data
- 3500 dataset catalogue records
- 10,561 global users
- 13,515,583 downloads in the past year
Catalogue Structure

Dataset Collection – all data for a project

Dataset record – specific set of data – the What (date, time, description of result – the Where, When, Who)

Process – the How

Project – the Why

Dataset Collection

Project a

Dataset record A

Process

Acquisition

Composite

Computation

Instrument y

Operation

Platform 1

A

B

C
Armagh Observatory: Monthly Automatic Weather Station measurements 2004 to present

Abstract

Atmospheric temperature observations from the Armagh Observatory, founded in 1790 by Archbishop Richard Robinson. As well as astronomical observations various meteorological parameters have been recorded since 1794. If users wish to find data from other areas of work undertaken by the observatory they should visit the Armagh Observatory website.

This dataset contains monthly measurements and summaries of air temperature, air pressure, rainfall, wind speed, wind direction, total cloud and hours of sunshine from an automatic weather station.


http://catalogue.ceda.ac.uk/uuid/bfed8e67ce8646d297b579a213f858f

Keywords: Armagh, Air temperature, rainfall, pressure, cloud, sunshine, wind

In support of:

Project: Armagh Observatory, UK

Dataset is part of:

Dataset Collection: The Armagh Observatory Climate Observation Data (1796-pre...)

Previous info:

No news update for this record

Previously used record identifiers:

No related previous identifiers

Access rules:

Public data: access to these data is available to both registered and non-registered users. Use of these data is covered by the
<table>
<thead>
<tr>
<th>Instrument/Platform pairings</th>
<th>Deployed on: Armagh Observatory, Northern Ireland, UK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anemometer</td>
<td></td>
</tr>
<tr>
<td>Sunshine Recorder</td>
<td></td>
</tr>
<tr>
<td>Barometer</td>
<td></td>
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<tr>
<td>Thermometer</td>
<td></td>
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<tr>
<td>Rain gauge</td>
<td></td>
</tr>
<tr>
<td>Armagh Automatic Weather Station (AWS)</td>
<td></td>
</tr>
<tr>
<td>Output Description</td>
<td>None</td>
</tr>
</tbody>
</table>

Keywords: Armagh, Air temperature, rainfall, pressure, cloud, sunshine, wind
Catalogue Before

Collections = 310
Datasets = 3026
Projects = 914
Platforms = 553
Instruments = 1012
Total records = 5815

12170 connections
5588 records

21% of datasets are connected to the archive
Catalogue Now

6952 records

Collections = 404
Datasets = 3450
Projects = 1054
Platforms = 597
Instruments = 1005
Computations = 439
Total records = 6952

98.26% of datasets are connected to the archive
98.26% of datasets are connected to the archive.

Collections = 404
Datasets = 3450
Projects = 1054
Platforms = 597
Instruments = 1005
Computations = 439
Total records = 6952
Results

• 98.26% of dataset catalogue records link up to the correct place in the archive and have been reviewed and updated.
• Users are able to discover, browse, understand and ACCESS data.
• Reduced the number of queries for CEDA’s help desk.
• Deployed new technology.
• Enabled the deployment of the next generation of CEDA’s data curation tools.
Questions