

The background image is a collage of business data visualizations. It includes a 3D pie chart with segments in blue, red, green, and brown, with a legend for 'Electronics' and 'Housewares'. There are also several bar charts: one with blue, red, and green bars for 'North', 'West', and 'East' regions; another with orange, green, and blue bars for months 'Jan', 'Feb', 'Mar', 'Apr', 'May', and 'Jun'; and a third with blue, red, and green bars. Additionally, there are tables of numbers. One table is titled 'Sales by Category' and lists values like 86,285, 52,048, 83,026, and 93,035. Another table lists values like 1,718,258, 534,389, 1,009,268, 900,431, and 4,162,346. A third table lists values like 100, 90, 80, 70, 60, 50, 40, 30, 20, 10, and 0. The overall theme is business analytics and data research.

EPrints 3.3 for Research Data

Draft v1.2 May 22nd 2011

Data-Oriented EPrint Records

- Dataset
 - A one-off, independent collection of data.
 - Contains one (or possibly more) data documents and probably README information to explain how to interpret the data document.
 - Metadata reflects the collection and processing of the data (*e.g.* a range of contributors instead of a creator)
- Experiment
 - A structured process that may result in many datasets, intermediate analyses and final results.
 - Contains various data documents and README information. The experimental methodology/trial protocol/observational process can be described in a normal descriptive text.
 - Metadata reflects the experimental activities and context.

Data-Carrying EPrint Records

- Publication
 - Any publication-style eprint – journal article, conference paper, report *etc*
 - Publications may contain an supplemental data document with associated README information.
 - Metadata reflects the publication, not the data gathering (*e.g.* list of authors rather than research technicians)

How A Data EPrint Appears

Citation

Carr, L and Takeda, K (2011) *Weather Station Data: Roof of Southampton University*. [Dataset] (Unpublished)



Generic Spreadsheet (Comma Separated Values) - Data
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Plain Text - README file
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List of data documents

Projects

[\[19\] Intelligent Agents for Home Energy Management](#) [Official URL](#)

Funders

[\[1\] Engineering and Physical Sciences Research Council](#)

Attributed projects & sponsoring funders

Item Type: Dataset

Subjects: [G Geography. Anthropology. Recreation > GB Physical geography](#)

Divisions: [Faculty of Engineering, Science and Mathematics > School of Civil Engineering and the Environment](#)

Depositing User: Unnamed user with email tdb2@ecs.soton.ac.uk

Date Deposited: 08 Apr 2011 15:44

Last Modified: 08 Apr 2011 15:44

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| Metadata | Files |
|---------------------|--|
| Content: | The kind of material in this document, as opposed to the specific format in which it is expressed. Data |
| Format: | Please select the storage format of this document. Generic Spreadsheet (Comma Separated Values) |
| Description: | You may offer an additional brief description of the format. Full explanations of the interpretation of data should be made in a separate README document. <input type="text"/> |
| Visible to: | Please indicate the required "security level" of this document. Who is allowed to download it? If you set this to anything other than "anyone" then consider adding a contact email for this eprint (on the next page), this will allow users to use a web form to request a copy of the document, and you can decide on a case-by-case basis. Anyone |
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| README: | Each column shows a different attribute (classified according to ISO-54987). Each row corresponds to a find from the dig. <input type="text"/> |

Update Metadata

Data Document Entry

Data documents can be attached to any any sort of eprint record (e.g. a journal article).

Format data explains what application is needed to render or edit the file contents.

Either:

README data is used to explain the layout of the information in the data document (e.g. how to interpret the row/columns in a spreadsheet).

Data Document Entry

Data documents can be attached to any any sort of eprint record (e.g. a journal article).

Format explains what application is needed to render or edit the file contents.

Or:

A separate **README file** is used to explain the layout of the information in the data files (e.g. how to interpret the row/columns in a spreadsheet).

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Metadata Files

Content: The kind of material in this document, as opposed to the specific format in which it is expressed.
Data

Format: Please select the storage format of this document.
Generic Spreadsheet (Comma Separated Values)

Description: You may offer an additional brief description of the format. Full explanations of the interpretation of data should be made in a separate README document.

Visible to: Please indicate the required "security level" of this document. Who is allowed to download it? If you set this to anything other than "anyone" then consider adding a contact email for this eprint (on the next page), this will allow users to use a web form to request a copy of the document, and you can decide on a case-by-case basis.
Anyone

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Update Metadata

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Metadata Files

Content: README file

Format: Plain Text

Extended Range of Document Content

| | |
|---------------|---|
| draft | an early, unfinished or working version of a document |
| submitted | the version that was provided to an external agency for publication or evaluation |
| accepted | the version (with corrections and updates) that was accepted by the external agency |
| published | the "version of record", possibly with external agency updates and visual branding |
| updated | a version that has been updated post publication (ie post "version of record") |
| redacted | a version that has had sensitive material removed to allow dissemination |
| supplemental | material that supplements the main document |
| presentation | a specific kind of document used to give a presentation |
| coverimage | a visual representation of the material described in the EPrints record |
| metadata | additional metadata not covered by the EPrints schema |
| data | information provided for subsequent processing; e.g. a spreadsheet, database table |
| readme | an explanation of the contents or the interpretation of other documents |
| discussion | documents that contain discussions, commentary, review or response material |
| other | none of the above |

Depositing a “Data” EPrint

Edit item: Weather Station Data: Roof of Southampton University

Type → Upload → **Details** → Subjects

< Previous Save and Exit Cancel Next >

Title

Weather Station Data: Roof of Southampton University

Type of Data

Weather Station Daily Readings

Abstract

The Southampton University weather station is part of the University|Extension Commercial Agriculture Automated Weather Station Network

Contributors

| Contributor | Family Name | Given Name / Initials | Email |
|----------------|-------------|-----------------------|-------|
| 1. Researcher | Carr | L | lac |
| 2. Researcher | Takeda | K | |
| 3. UNSPECIFIED | | | |
| 4. UNSPECIFIED | | | |

More input rows

Divisions

Faculty of Engineering, Science and Mathematics: School of Civil Engineering and the Environment

Faculty of Engineering, Science and Mathematics: School of Chemistry

Faculty of Engineering, Science and Mathematics: School of Electronics and Computer Science

Faculty of Engineering, Science and Mathematics: School of Engineering Sciences

Faculty of Engineering, Science and Mathematics: School of Geography

Faculty of Engineering, Science and Mathematics: School of Mathematics

Faculty of Engineering, Science and Mathematics: School of Physics

Faculty of Law, Arts and Social Sciences: School of Art

Faculty of Law, Arts and Social Sciences: School of Education

Publication Details

Status:

☐ Published

☐ Press

☐ Submitted

☒ Unpublished

Date: Year: 2011 Month: April Day: 04

Date Type:

☐ UNSPECIFIED

☐ Publication

☐ Submission

☒ Completion

Official URL:

Related URLs:

URL

More input rows

Projects

[Manage Projects](#)

| Title | Id |
|---|----|
| 1. Intelligent Systems for Home Energy Management | 19 |
| 2. | |
| 3. | |

More input rows

Funders

[Manage Organisations](#)

| Name | Id |
|---|----|
| 1. Engineering and Physical Sciences Research Council | 1 |
| 2. | |
| 3. | |

More input rows

Uncontrolled Keywords

Additional Information

Comments and Suggestions

< Previous Save and Exit Cancel Next >

A reduced set of publication details are requested

EPrints 3.3 records project affiliation and funder acknowledgements for all types of eprint

More roles are listed than just 'author'

Range of Data Contributors



- Data Analyst
- External Consultant
- Data Contributor
- Data Manager
- Field Director
- Geographic Information Specialist
- Laboratory
- ✓ Laboratory Director
- Principal Investigator/Originator
- Project Director
- Photographer (Image Technician)
- Experimental Process Contact
- Programmer
- Researcher
- Research Team Head
- Research Team Member

Data eprints don't have creators or authors, they have contributors.

The range of supported contributions is taken from the **MARC metadata** standard.

There are actually over 250 allowed contributor roles, but only a relevant subset are shown in the data depositing form.

Policies about Pragmatic Simplicity

- Tempting to get very explicit about subject data classification and control
 - this is a responsibility of data gathering/analysis, not archiving
 - An IR subject taxonomy cannot be augmented for data taxa
 - This is impractical there are hundreds just for archaeology!
- Keywords attribution should mainly be done by data capturing tools
 - it's too late by the time the repository is involved.
 - may be extracted from files (see the DepositMO project)
- Structured metadata can be provided
 - As an explicit document whose content is of type *metadata*
 - As a set of linked data relations (URIs)

Policies about Pragmatic Simplicity (2)

- Policy is that the metadata fields are HUMAN oriented and advisory.
- Explicit explanations can be given (should be!) provided in the README file(s) both of equipment used and processes undertaken.
 - Although they could be represented as complex metadata, they are unlikely to be successful in attracting any popular use
 - Perhaps in 2 years 😊
- EPrints will support the Open Provenance Model.