



Photo by Flickr user 'nex230' <http://www.flickr.com/photos/listing/3924144506/>

Institutions & their data

**Professor Leslie Carr,
Web Science Institute,
*University of Southampton, UK***

Budapest Open Access Initiative

- Old tradition of scholarly publishing
+
New technology of the Internet
=
• Public good: free and unrestricted access to
peer-reviewed journal literature



Budapest, December 2001

Openness Agendas



- Open Access to Research Outputs
 - Supported by all UK Research Councils
- Open Research Data
 - Demanded by government, private funders & UK Research Councils
- Open Data
 - Government and public sector data
- Open Educational Resources
 - Move from closed VLEs to sharing resources

Open Government Data

- Same principles work on the government
 - Transparency
 - Openness
 - Innovation
 - Enabling new value & new businesses

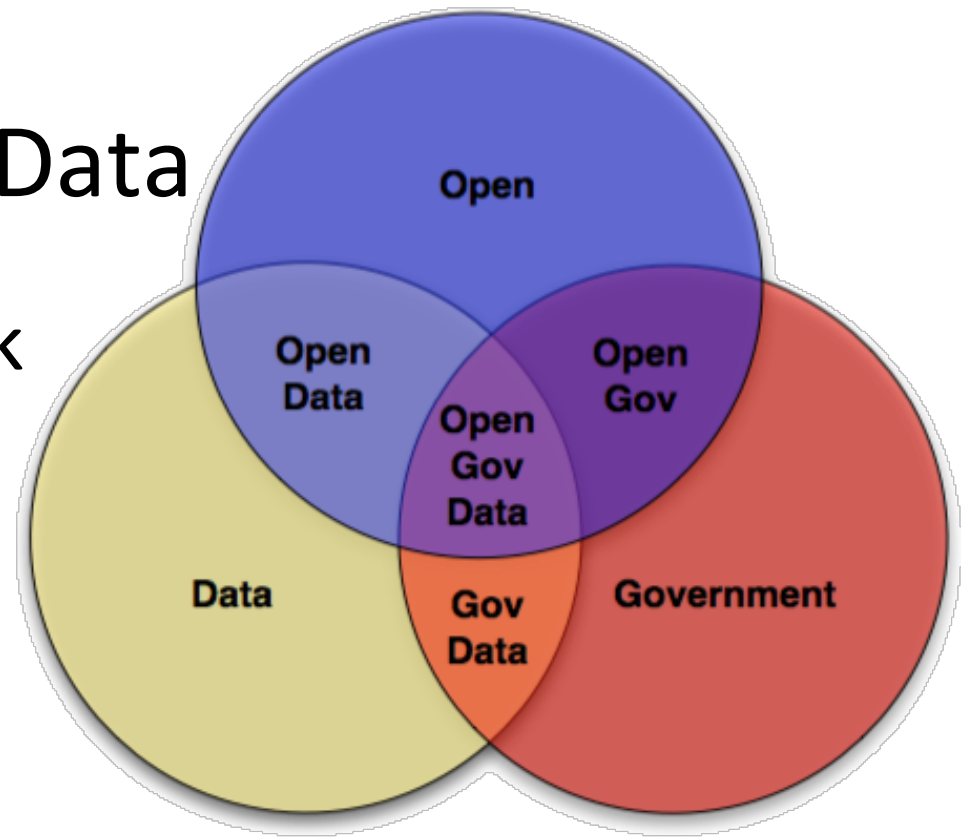


Diagram by Flickr user 'justgrimes' http://www.flickr.com/photos/notrucelee/5241176871/

data.gov.uk

The screenshot shows the data.gov.uk homepage. The navigation menu includes 'Data', 'Apps', 'Consultation', 'Forum', 'Blogs', 'Ideas', 'Linked Data', 'Resources', and 'About'. The 'Data' menu item is circled in red. The main content area features an article titled 'FCO Travel Advice' by the Foreign and Commonwealth Office, dated 17/02/2011. The article includes a description, an overview, resources for download, and details. A comment section is visible with one comment from an anonymous user asking for integration with a travel insurance site.

Bespoke apps produced by independent developers for government data

The screenshot shows the 'Ideas' page on data.gov.uk. The 'Ideas' menu item is circled in red. The main article is titled 'A planning app map that can be applied to any council area' by Michael MacLeod, dated 29/02/2012. The article describes a web app for planning proposals, its development, and its use by a local environmental charity. It also mentions a scraper for council data and a plan to create an RSS feed. A comment section at the bottom shows a reply from Andrew Speakman, who has built a prototype service on Scrapy.

Shared ideas: Michael built a 'planning proposals' web app. Some turned it into an RSS feed. Someone else turned that into a Twitter feed. Someone else used scrapy...

data.ac.uk

Welcome to Data.ac.uk

This is a landmark site for academia providing a single point of contact for linked open data development. It not only provides access to the know-how and tools to discuss and create linked data and data aggregation sites, but also enables access to, and the creation of, large aggregated data sets providing powerful and flexible collections of information. Here at Data.ac.uk we're working to inform national standards and assist in the development of national data aggregation subdomains.

Get the data

Check out all of our [data.ac.uk data sets](#)

Our current featured project:

equipment.data

Equipment.data allows users to search for research equipment and facilities that are available from UK HE institutions.

What can Data.ac.uk do for me?

We are all part of the constantly evolving open data agenda and its emerging culture. Data.ac.uk aims to bring together the higher education community and the wealth of data it has access to, and encourage that community to share, utilise, update, grow and generate demand for open data.

equipment.data

Enabling access to UK HE research equipment

Search for equipment:



Sort by distance from: Units: km

271 matches.

DNA Sequencer	The Roslin Institute - 9.2 km
DNA Sequencer	The Roslin Institute - 9.2 km
DNA Sequencer	The Roslin Institute - 9.2 km
Sonicator	The Roslin Institute - 9.2 km
Thermal Cycler	The Roslin Institute - 9.2 km
Sonicator	The Roslin Institute - 9.2 km
sonicator	The Roslin Institute - 9.2 km
High Throughput Screening Facility: Biomedical Robotics	University of Newcastle Upon Tyne - 146.6 km
DNA SEQUENCER	Durham University - 166.6 km
DNA Sequencer	Lancaster University - 217.1 km
Genetic Analyser	University of Leeds - 260.2 km
Wave System	University of Leeds - 260.2 km
PCR System - Real time	University of Leeds - 260.2 km

Sonicator

More information.



Covaris Focused-ultrasonicators deliver highly-controlled and focused acoustic energy to your samples.

Focused-ultrasonicators standardize sample prep for a variety of application areas including DNA shearing for Next-Gen sequencing, RNA and protein extraction.

Part of Organization: Genomics

Contact Dawn Law roslin-science-equipment@roslin.ed.ac.uk
+441316519146

Contact Heather McCormack roslin-science-equipment@roslin.ed.ac.uk
+441316519142

Issues with this record should be reported to

roslin-science-equipment@roslin.ed.ac.uk

If your search on our database results in an equipment or

Institutional Open Data

Open Data Service

Open Data Homepage

5★ Data

Frequently Asked Questions

Apps

Data Catalogue

Places

Phonebook

Academic Programmes

Organisation

Jargon

Points of Service

Products & Services

Bus Routes

SPARQL Endpoint

Feedback

Suggestions

Report a Problem

Register an App

University of Southampton > Open Data > Datasets

 Share

Datasets

Here is a list of datasets we currently have available. At this subject to alteration because we are learning as we go. If you going to rely on the data, please [let us know](#).

- Apps using our data
- Buildings and Places
- Catering
- Common Learning Spaces Extra Information
- EPrints Repository
- EdShare
- EdShare Video
- Electronics and Computer Science EPrints Repository
- Events Diary
- International Links
- International Links DBpedia Data
- JACS Codes
- Links to DisabledGo Access Information
- Local Amenities
- Open Data Catalog
- Open Days July 2011
- Organisation
- Payments 2010-11 to 2011-01
- Photographs of University of Southampton Things

```
@base <http://id.southampton.ac.uk> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .

<http://data.southampton.ac.uk/dumps/places/2012-01-09/buildings-en
<http://purl.org/void/provenance/ns/processType> </ns/DownloadV:
<http://purl.org/void/provenance/ns/resultingDataset> <http://d:
<http://purl.org/void/provenance/ns/sourceDataset> <https://doc:
hl=en_US&hl=en_US&key=0AqodCQwjuWZXdHdoZEHcdXRtR2VEMFQ1NWNnbWpKZmc&
a <http://purl.org/void/provenance/ns/ProvenanceEvent> ;
<http://www.w3.org/2006/time#hasBeginning> "2012-01-09T20:55:41:
<http://www.w3.org/2006/time#hasEnd> "2012-01-09T20:55:42Z"^^<ht

<http://data.southampton.ac.uk/dumps/places/2012-01-09/buildings-es!
<http://purl.org/void/provenance/ns/processType> </ns/DownloadV:
<http://purl.org/void/provenance/ns/resultingDataset> <http://d:
<http://purl.org/void/provenance/ns/sourceDataset> <https://doc:
hl=en_US&hl=en_US&key=0AqodCQwjuWZXdGdySXpZaSl2UHLHSTF0N1l0akNmBwc&
a <http://purl.org/void/provenance/ns/ProvenanceEvent> ;
<http://www.w3.org/2006/time#hasBeginning> "2012-01-09T20:55:39:
<http://www.w3.org/2006/time#hasEnd> "2012-01-09T20:55:40Z"^^<ht

<http://data.southampton.ac.uk/dumps/places/2012-01-09/buildings-ext!
<http://purl.org/void/provenance/ns/processType> </ns/DownloadV:
<http://purl.org/void/provenance/ns/resultingDataset> <http://d:
<http://purl.org/void/provenance/ns/sourceDataset> <https://spr:
ylnmhsrdCladGZrVlNlQnZ2RXNMcnpMalRfNlE&single=true&gid=2&output=csv:
a <http://purl.org/void/provenance/ns/ProvenanceEvent> ;
<http://www.w3.org/2006/time#hasBeginning> "2012-01-09T20:55:41:
<http://www.w3.org/2006/time#hasEnd> "2012-01-09T20:55:41Z"^^<ht

<http://data.southampton.ac.uk/dumps/places/2012-01-09/buildings-po:
<http://purl.org/void/provenance/ns/processType> </ns/DownloadV:
<http://purl.org/void/provenance/ns/resultingDataset> <http://d:
<http://purl.org/void/provenance/ns/sourceDataset> <https://spr:
ylnmhsrdCladGZrVlNlQnZ2RXNMcnpMalRfNlE&single=true&gid=1&output=csv:
a <http://purl.org/void/provenance/ns/ProvenanceEvent> ;
<http://www.w3.org/2006/time#hasBeginning> "2012-01-09T20:55:40:
<http://www.w3.org/2006/time#hasEnd> "2012-01-09T20:55:40Z"^^<ht

<http://data.southampton.ac.uk/dumps/places/2012-01-09/buildings-sh:
<http://purl.org/void/provenance/ns/processType> </ns/DownloadV:
<http://purl.org/void/provenance/ns/resultingDataset> <http://d:
<http://purl.org/void/provenance/ns/sourceDataset> <https://spr:
ylnmhsrdCladGZrVlNlQnZ2RXNMcnpMalRfNlE&single=true&gid=1&output=csv:
a <http://purl.org/void/provenance/ns/ProvenanceEvent> ;
<http://www.w3.org/2006/time#hasBeginning> "2012-01-09T20:55:40:
<http://www.w3.org/2006/time#hasEnd> "2012-01-09T20:55:41Z"^^<ht

<http://data.southampton.ac.uk/dumps/places/2012-01-09/places.rdf#p:
<http://purl.org/void/provenance/ns/processType> </ns/ConvertTu:
<http://purl.org/void/provenance/ns/resultingDataset> <http://d:
<http://purl.org/void/provenance/ns/sourceDataset> <http://data
a <http://purl.org/void/provenance/ns/ProvenanceEvent> .
```

Building, Facilities & Equipment Data

[This site](#) [University](#)

[Home](#)

[5★ Data](#)

[Frequently Asked Questions](#)

[Apps & Tools](#)

[Open Data Map](#)

[What Week Is It?](#)

[iSolutions Workstations](#)

[Room Finder](#)

[Data Catalogue](#)

[Events Calendar](#)

[Catering](#)

[Bus Information](#)

[University Map](#)

[Places](#)

[Phonebook](#)

[Academic Programmes](#)

[Organisation](#)

[Research Facilities](#)

[Jargon](#)

[Points of Service](#)

[Products & Services](#)

[SPARQL Endpoint](#)

[Our Software](#)

[Credits](#)

[University Home](#)

Open Data Service

Life Sciences

<http://id.southampton.ac.uk/building/85> ← This is the URI

Detail

Facilities

Services

Energy

Site: Highfield Campus

Construction: 2010

Features: Building 85 is non-residential

[View Disability Report for this Building](#)

Occupants

Centre for Biological Sciences

Medicine

Institute for Life Sciences

Building Entrances

Reception entrance

Latte's entrance

Get the Data

If you're that way inclined, you can get the raw data used to create this page in various formats, as listed below.

TTL [RDF/Turtle file](#)

RDF [RDF/XML file](#)

KML [Google Earth KML file](#)

Photograph made available under a CC-0 license.

[View Larger Map](#)

Detail

Facilities

Services

Energy

Research Facilities

Below is a list of facilities we believe to be located in or near this building. The information is for guidance only. If you require information or assistance relating to any of the facilities in this list, please contact the facility's primary contact.

Facility	Contact
Biophysical Equipment Centre for Proteomic Research Imaging & Microscopy Centre Insectary Interdisciplinary Centre for NMR Plant Growth facilities - Growth rooms & Glass Houses The Macromolecular Crystallisation Facility (Crystallography) Tissue Culture	http://id.southampton.ac.uk/equipment/E10154 ← This is the URI Micromass Waters Mass Spectrometer with LCT time of flight and electrospray ionisation Facility: Biophysical Equipment Part of: Natural and Environmental Sciences Centre for Biological Sciences Location: Life Sciences
	Mr James Neville Wright +44 1256 30091510 J.N.Wright@soton.ac.uk

Teaching Rooms

Some or all of these rooms may not be available at all times, or to all members of the University. Please click on the room titles to get more information on specific rooms and common learning spaces.

Room 85/2211 - Seminar Room

Capacity: 20

Whiteboard

Network connection for laptops

Moveable seats

DVD player

Bench PC

Data/Video projection

Detail

Facilities

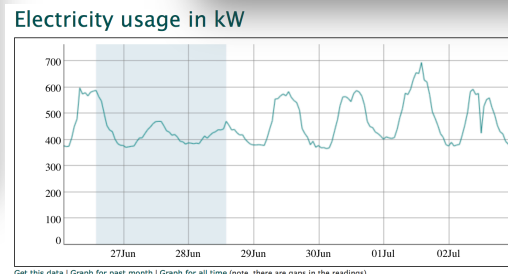
Services

Energy

All services listed are for guidance only. Some of them are located in restricted areas or areas which are only open at certain times. Please check before relying on this data.

Points of Service

- Beverage Vending Machine (Stirling 2400)
- Bottle Vending Machine (Coke)
- Cafe 85
Open today 8:00am - 2:30pm
- Medicine Faculty Student Reception (Highfield Campus)
- Natural and Environmental Sciences Faculty Student Reception
- Snack Vending Machine (Stirling 2400)



Who knows what to do with your data?

Augmenting Data

- Every entrance + accessibility
 - “recommended routes” apps *e.g.* between lectures
- Cross with catering facilities data
 - “nearest caffeine” apps
- Cross with UK Food Hygiene and City bus data
 - “bus to pub” apps
- Cross with OpenStreetMap data
 - Clickable campus maps

Open Data Service

Life Sciences, Latte's entrance

<http://id.southampton.ac.uk/building-portal/85-B> ← This is the URI

This entrance/exit connects Floor 2, Building 85 to the outside.

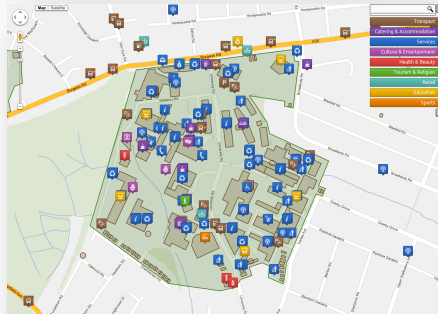
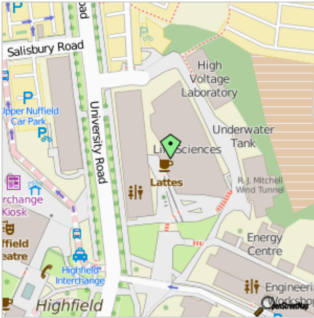

This is the recommended entrance for the following rooms:

- Seminar Room
- Seminar Room
- Seminar Room
- Seminar Room

Get the Data

If you're that way inclined, you can get the raw data used to create this page in various formats, as listed below.

- TTL RDF/Turtle file
- RDF RDF/XML file



“Open” Platforms

Internet

“Open” Platforms

Internet

Web

“Open” Platforms

Internet

Web

Wiki

Facebook

Twitter

YouTube

Google

“Open” Platforms

Internet

Web

Wiki

Facebook

Twitter

YouTube

Google

Wikipedia

Social Marketing

Media
Channel

X

Why Closed Knowledge Systems are Bad



Evaluation

Did Germany make the right choice in relocating their post-unification capital from Bonn?

Synthesis

Create a set of guidelines for choosing alternative national capitals in a post-climate change Europe.

Analysis

What were the overriding factors in the choice of sites for the European parliament and commission?

Application

Choose the most appropriate capital for the Isle of Wight

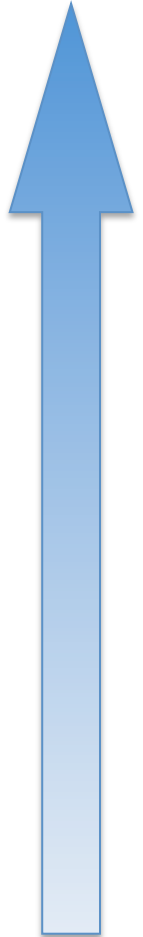
Comprehension

Why is Paris the capital of France?

Knowledge

What is the capital of France?

Increasing intellectual capabilities



Bloom's Educational Taxonomy demonstrates why closed systems are bad – human understanding is built on top of successively better knowledge platforms.

Why Closed Knowledge Systems are Bad

REF2020



Evaluation

Did Germany make the right choice in relocating their post-unification capital from Bonn?

Synthesis

Create a set of guidelines for choosing alternative national capitals in a post-climate change Europe.

Analysis

What were the overriding factors in the choice of sites for the European parliament and commission?

Application

Choose the most appropriate capital for the Isle of Wight

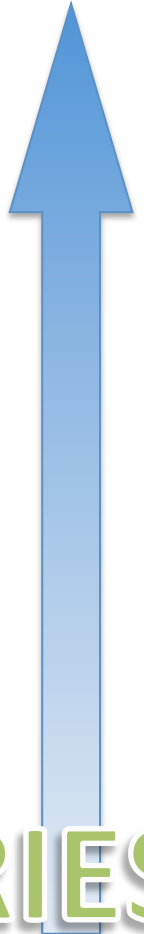
Comprehension

Why is Paris the capital of France?

Knowledge

What is the capital of France?

Increasing intellectual capabilities



REPOSITORIES

Bloom's Educational Taxonomy demonstrates why closed systems are bad – human understanding is built on top of successively better knowledge platforms.