
The UK Data Service: our data portfolio in the household energy sphere

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Meeting: Making smarter use of household energy data: opportunities and challenges for scaling up research

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London

UK Data Service



Background

- Over 6000 datasets in the Service's collection with a focus on social and economic data
- A small but important and increasing number of these are relevant to household energy research
- Energy data come from government sources such as DECC and DCLG and academic researchers
- Our focus is on acquiring household energy data that include some social and or economic component



Household energy data in the collection

Examples include

- One-minute Resolution Domestic Electricity Use Data, 2008-2009 (CREST)
- Energy Demand Research Project: Early Smart Meter Trials, 2007-2010 (DECC)
- English Housing Survey & EHS Fuel Poverty data (DCLG)
- Energy Follow-up Survey, 2011 (DCLG)
- National Energy Efficiency Data-Framework, 2014 (DECC)
- Consumer energy supplier switching data from The Big Switch and subsequent surveys, 2014 (ESRC Centre for Competition Policy)

In the pipeline

- English Housing Survey linked to Energy Follow-up Survey
- Low Carbon London project (Imperial College London)
- Other datasets that have collected power and temperature data coupled with surveys



Other relevant data in the collection

Examples include

- Living Costs and Food Survey
- British Household Panel Survey
- Survey of Public Attitudes and Behaviours towards the Environment
- A range of country-level aggregate data e.g. International Energy Agency Information – natural gas, coal, electricity, oil, renewables etc

Discover – discover.ukdataservice.ac.uk/

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Variable and question bank

QualiBank

Type

Data collections (1)

Case studies (0)

Series (0)

ESRC outputs (0)

Support / how to guides (0)

Refine

Subject +

Date +

Data type +

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Search and browse our data collections, support guides, case studies, and related publications.

national energy efficiency data-framework

GO

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Case study



Data collection



Series record



ESRC output



Support guide

Guide to icons

Results per page: 10

Sorted by: Relevance

Displaying 1-1 of 1 results



SN 7518 National Energy Efficiency Data-Framework, 2014

Department of Energy and Climate Change



Full record...



Access online



Download/Order

DDI XML

Similar data collections

Displaying 1-1 of 1 results



Data by theme



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Home > Discover data > Data by theme > Environment > Key data

Environment and energy

"Ideas for research using data on the environment"



Key data

Discover

Analysing

Research

Resources

SHARE 

Whilst there is a wealth of data on the environment, a number of studies are regarded as 'key' in the UK – either through their subject/geographical coverage, their use of standard measures, their longevity, their usage among the research community or because they are used to create 'official' figures.

The majority of the data described are known as 'raw', 'primary' or 'source' data in the sense that they represent information that has been collected 'first-hand'; they are original data sources which may then be used for 'secondary' analysis by researchers

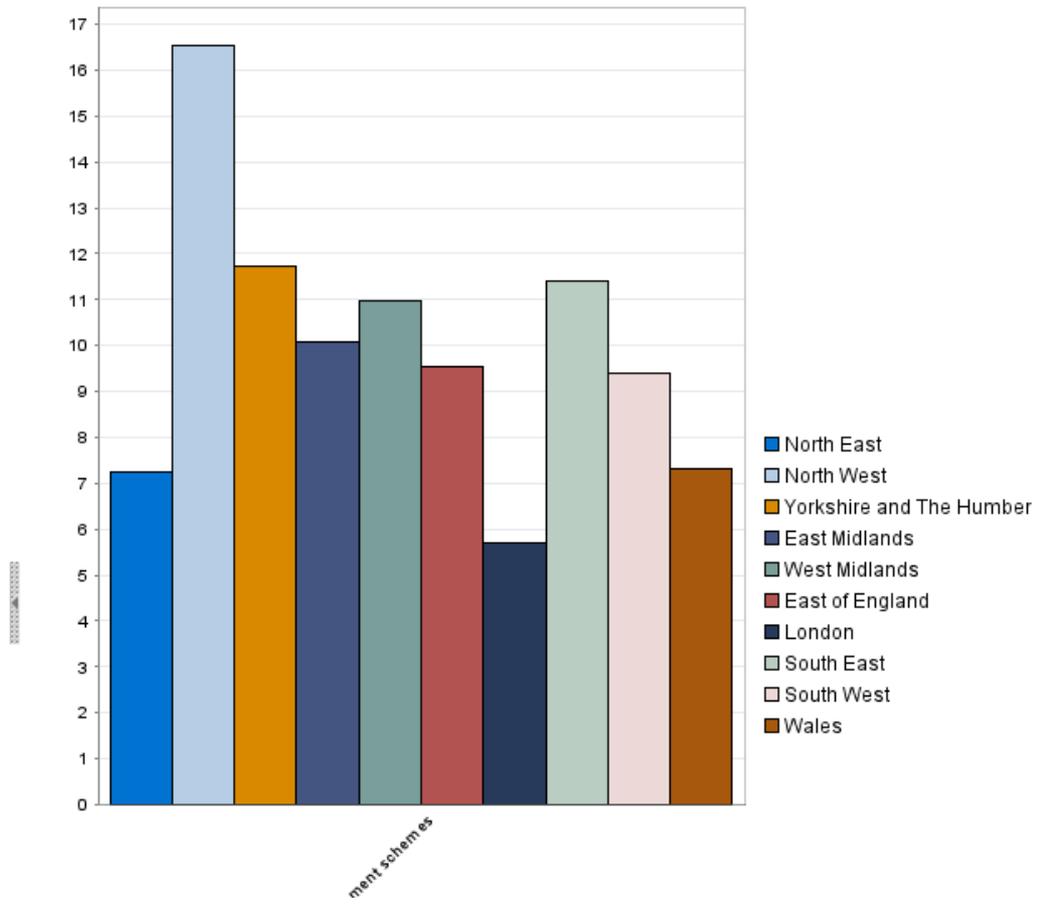


Explore online

DESCRIPTION TABULATION ANALYSIS

Dataset: National Energy Efficiency Data-Framework, 2014

Whether loft insu...Government scheme: Categories Former Government Office Regions: Categories Type: Row percentage



Benefits of depositing

- Long-term safekeeping
- Data have high visibility/are searchable
- Records include rich and structured content
- Data enhancement
- Administer access and queries on your behalf
- Increased use and acknowledgement of data in publications and collaborations
- Foster dialogue e.g. feedback, user groups
- Usage reports and impact



Preparing your data for sharing

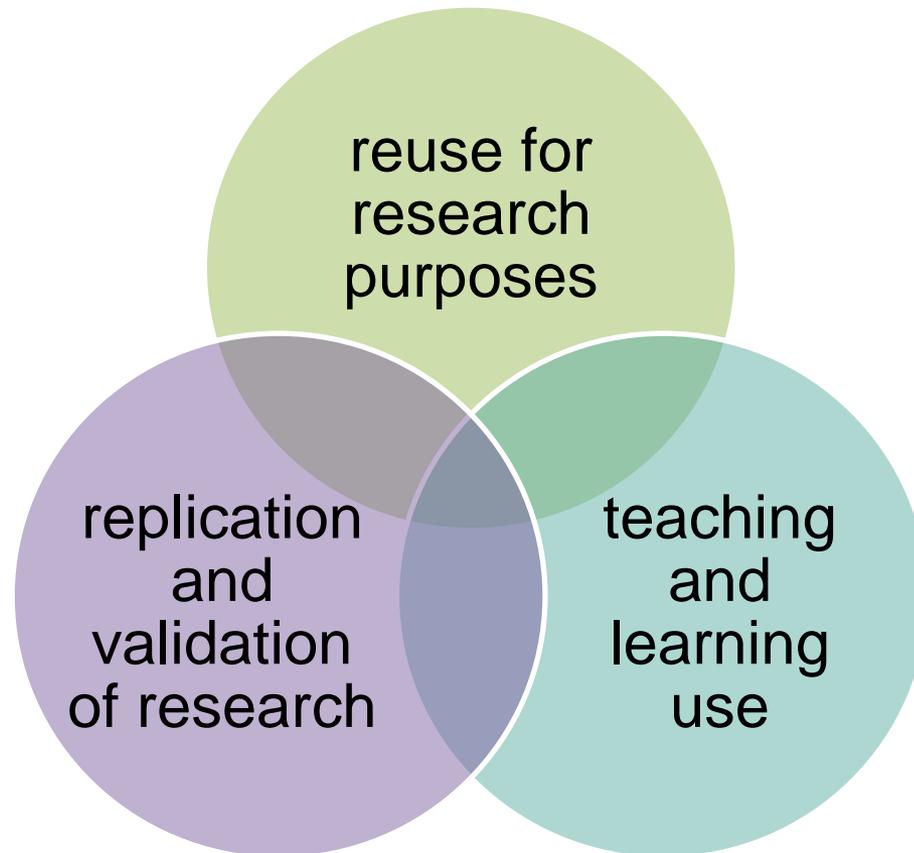
- Identify suitable place of deposit
- Consent
- Copyright
- Anonymisation
- Access control
- Documentation
 - Technical reports, user guides, questionnaires
 - Variable and value labels
- Formats
- Contact us to offer your data
collections@ukdataservice.ac.uk

ukdataservice.ac.uk/manage-data



Collections Development Policy criteria

The data should be suitable for:



Collections Development Policy criteria

We consider **additional criteria**:

- does it
 - fill a gap in the collection
 - complement or enhance existing data
 - come from an authoritative source of high quality data
- is it
 - useful for supporting decision-making and policy formation
 - useful for international, longitudinal or comparative research
- has it been
 - recommended for acquisition
 - requested by a number of potential users

We also identify any **barriers to sharing** and assess if they can be overcome

Licensing and access

Open

- available for download/online access under open licence without any registration

Safeguarded

- available for download/online access to logged-in users who have registered and agreed to an End User Licence

Controlled

- available for remote or safe room access to logged-in and registered users whose research proposal has been approved by the data owner or nominee/s and who have received training from UK Data Service staff

Our role in brokering access

The Service has a role to play, alongside energy centres, in acquiring

- more detailed household data
- data that remain relatively inaccessible

We are in a good position

- long-standing relationships with data owners
- respected national data archive
- trusted and secure systems

Which household energy data sources should we focus on trying to acquire?