ReShare: Re-Shaping the Landscape of Research Data Repositories

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Collections Development Officer; UK Data Archive

Iassist 2015, Minnesota Population Centre, Minneapolis
What is ReShare

- Self-deposit data repository for research data
- Part of UK Data Service
- Remit: “data resources of value to research and teaching communities across and beyond the social science discipline” (Collections Development Policy)
- ESRC award holders: contractual requirement to archive and share their research data
- Customised version of EPrints, open-source digital repository software
- Developed via ESRC funding
- reshare.ukdataservice.ac.uk
ReShare is the UK Data Service's online data repository, where researchers can archive, publish and share research data, as open or safeguarded data.

Collections of data and accompanying documentation can be submitted after registering with the UK Data Service. ReShare is where ESRC grant holders submit the data from their research grants, as a contractual requirement under the ESRC research data policy. In the process related grant information can be retrieved from the RCUK Gateway to Research. We review data before their release, to ensure they conform with ethical and legal requirements.

Search and find data via the UK Data Service's Discover portal.
ESRC research data policy

Publicly funded research data are a public good, produced in the public interest, which shall be made openly available and accessible with as few restrictions as possible in a timely and responsible manner that meets a high ethical standard and does not violate privacy or harm intellectual property (ESRC Research Data Policy, 2015)

• ESRC grant applicants planning to create data during their research include a data management plan
• ESRC award holders share research data within three months of the end of their grant

Researchers should take into account the long-term use, including the potential for data linkage and preservation of data when obtaining consent. In some cases it may not be appropriate to archive data, but this should be discussed with an appropriate ESRC data service provider, for example the UK Data Service (ESRC Framework for Research Ethics, 2015)
ReShare features

- UK Federation Access authentication of data depositors and data users
- Pre-fills related project information from RCUK Gateway to Research (auto-fill 11 metadata elements: project-level, people, dates)
- Publish metadata records to UK Data Service Discover portal
- DOI minted
- UKDS staff review data collections before publishing:
  - confidentiality
  - copyright
  - documentation sufficient
  - long-term file formats
## Access conditions

Depositor selects for each file or Zip bundle uploaded one of the following:

<table>
<thead>
<tr>
<th>Access Type</th>
<th>Access Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Open</strong></td>
<td>• available for download/online access under open licence without any registration</td>
</tr>
<tr>
<td><strong>Safeguarded</strong></td>
<td>• available for download/online access to logged-in users who have registered and agreed to an End User Licence</td>
</tr>
</tbody>
</table>
| **Permission access** | • available for particularly sensitive data under End User Licence.  
                        | • registered users of the UK Data Service will need to request access from the depositor. |
Deposit process

- Log in
- Create metadata record for data collection
- Upload data and documentation files
- Set access and licence conditions
- Submit
- Edit if necessary
- Re-submit

- Review
- Negotiate with depositor (if required)
- Publish
ReShare User Guidance

ReShare help guidance

1. Prepare research data for ReShare
2. Deposit data in ReShare
3. Publish and share data
4. Engage with research data
5. Explore ReShare

UK Data Service ReShare

My data
Manage records
Profile
Editor
Admin
Edit page

ReShare data review procedures

1. UK Data Service review procedure
2. External peer review procedure

UK DATA SERVICE REVIEW PROCEDURES

The UK Data Service reviews each data collection submitted to the ReShare repository to discuss risks, copyright licensing, validity of the format and level of documentation before publishing the collection. The quality and scientific validity of the research data is evaluated.

All numerical data files and at least a 10% random sample of textual data files are reviewed.

Non-English language data files are checked by a staff member of the UK Data Service familiar with the language.

Any concerns, changes needing to be made to data files, or requests for additional documentation are communicated to the data depositor for actioning.

Data review comments and actions taken are noted in the data collection metadata record, as provenance information for the data collection.

Review procedures
1. Generic project-level checks:
   - project-level metadata and consent forms are checked for legal and ethical information specified by the depositor, that influences data sharing and reuse (e.g. anonymisation carried out; consent in place for data sharing; consent for disclosing participant names...)

ReShare Legal Documentation

This page contains the terms and conditions for use of the UK Data Service ReShare data repository. The first section applies to data deposit while section two and three pertain to data use (categorised and open data respectively).

1. Legal terms and conditions
2. For terms and conditions of categorised data
3. For terms and conditions of open access data
4. Get in touch with us

DEPOSIT TERMS AND CONDITIONS

By accepting the terms and conditions, I, the Depositor,

1. Confirm that I am the owner of the copyright and associated intellectual property rights in the whole data collection or am otherwise legally entitled to grant the license on behalf of each and every owner.

http://reshare.ukdataservice.ac.uk/help/index.html
http://reshare.ukdataservice.ac.uk/reshare-review-procedures/
http://reshare.ukdataservice.ac.uk/legal/
Edit collection: Data Collection #851515

To deposit a data collection, you must accept the ReShare Terms and Conditions.

- I confirm that I am the owner of the copyright and associated intellectual property rights in the whole Data Collection or am otherwise lawfully entitled to grant this licence on behalf of each and every owner;
- I grant a non-exclusive, royalty-free licence to the UK Data Archive (a department of the University of Essex and not a separate legal entity) of Wivenhoe Park, Colchester, CO4 3SQ (the "University") to hold, make copies of, and disseminate copies of the Data collection, in accordance with the access conditions I will specify when uploading data files: open data accessible to users without registration; or safeguarded data accessible to users registered with the data services provided by the UK Data Archive.

I agree to the ReShare data deposit terms and conditions

[ ]
Global Uncertainties: Security In an Africa of Networked, Multi-Level Governance


The programme of research centres on how the various institutions responsible for the production of security and the management of conflict in Sub-Saharan African societies do, could and should evolve in response to the presence of violent conflict. These institutions include: the armed forces, police, courts (civil as well as criminal), 'traditional' institutions of local governance, elections (and other methods of choosing leadership), international organisations (such as the United Nations, African Union, UN High Commission for Refugees, the World Court, ), and the community of international donor nations. The programme is built on the observation that all governance (especially in Africa) is multi-leveled and networked - from the village to the international organisation, and well beyond what is specified in formal government structures. Thus the focus will be not only on the ways in which key conflict-management institutions evolve themselves but also on the changing ways in which the networks in which they are embedded actually operate. This leading edge research challenges theories about the state, state formation, and sovereignty as well as the dynamics of violent conflict as presented in the dominant current work on Africa. The primary methods of research will be network analysis and qualitative interviewing.

Creators:

<table>
<thead>
<tr>
<th>Creator Name</th>
<th>Email</th>
<th>Affiliation</th>
<th>ORCID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leonard, David</td>
<td>Unspecified</td>
<td>Institute of Development Studies</td>
<td>Unspecified</td>
</tr>
</tbody>
</table>

Research funders:

Economic and Social Research Council

Grant reference:

RES-071-27-0048

Subjects:

Law, crime and legal systems
Politics

Date deposited:

31 Jan 2014 19:00

Last modified:

22 Oct 2014 19:27

Coverage and Methodology

Access and Administration
Coverage and Methodology

Collection period:  Date from: 1 April 2009  Date to: 31 March 2013
Country: Sierra Leone
Data collection method: Group interviews in 39 villages and towns in rural Sierra Leone
Observation unit: Groups
Kind of data: Alpha-numeric, Textual
Type of data: Qualitative and mixed methods data
Resource language: English

Access and Administration

Data sourcing, processing and preparation: Citizen interviews
Copyright holders:

<table>
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<td>Institute of Development Studies</td>
<td>Unspecified</td>
</tr>
</tbody>
</table>

Contact:

Notes on access: The names of individual respondents have been removed from the data set.
Publisher: Economic and Social Research Council
Last modified: 22 Oct 2014 19:27
# AVAILABLE FILES

## Data

**Accessible to:** Registered users only (safeguarded data)

**File or bundle content:** Data

**File or bundle description:** Security & Networks

**File format:** application/octet-stream

**License:** UK Data Service End User Licence

**File size:** 10Kb

- Sierra Leone Security %26 Networks.xlsx

- Sierra Leone Security %26 Networks__Coded.xls

- Copy_of_Somalia_SC_peace_initiatives.xlsx

## Documentation

**Accessible to:** Anyone (open data)

**File or bundle content:** Documentation

**File or bundle description:** Sierra Leone methods

**File format:** application/msword

**License:** UK Data Service End User Licence

**File size:** 64Kb

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## RELATED RESOURCES

**Website**

Project outputs and publications
A Depositor Service’s life is...
Self-upload guidance

- Lots of it…guides, webinars, hand-holding
- Review criteria are explicit
- Still many questions
- Still some recurring issues to deal with
ReShare review procedures

• Checks conducted: disclosure risk, copyright breaches, validity of file formats and sufficient documentation

• All numerical data files and at least a 10% random sample of textual data files

• Amendments to the data, documentation or metadata, or requests for additional documentation are communicated to the data depositor

• Data review comments and actions taken are recorded
The value of the ‘ReadMe’

Good practice for each data collection

• For each filename a short description of what data it includes
• Any relationships between the data files
• For tabular data definitions of column headings and row labels, data codes (including missing data) and measurement units
• For textual data a data list of all interviews, focus groups, etc
ReShare where does it all go wrong?

In ranking order:

- Lack of supporting documentation
- Incomplete metadata
- Data and documentation in unsupported formats
- Poor file names
Solutions

• Relay issues back to depositor

• Re-iterate our expectations

• Specify exact amendments required

• Direct depositors to ReShare user guidance
  (http://reshare.ukdataservice.ac.uk/help/index.html)
“Burdening” the depositor

- Depositors are often busy preparing for next research opportunity
- Lack of thought given to the process
- Unprepared
- Not a priority

We assist by…

- Providing support and comprehensive guidance
- Encouragement
- Persistence
Recommendations for depositors

- Contact the UK Data Service’s ReShare team early in your research process to gain advice and guidance
  reshare@ukdataservice.ac.uk

- Consult the ReShare user guidance
  http://reshare.ukdataservice.ac.uk/help/index.html

- Keep in mind your intention to archive and data share in all aspects of your research and data collection

- For general information on preparing your data for deposit see the UK Data Service guidance
  http://ukdataservice.ac.uk/deposit-data/preparing-data.aspx
Not forgetting good early RDM practices

- Capture information and documentation/metadata during the data collection process that will allow understanding of your data
- Check, validate and clean your data during research
- Ensure you are organising, naming and versioning data files meaningfully
- If data contain personal or confidential information, gain participant consent to share data and create an anonymised version, where possible
User feedback

Positives

• ReShare interface simple to use
• Comprehensive user guidance
• Advice and guidance readily available via ReShare administrators
• Reputable system in which to place your research data
• Increases discoverability and impact of research
User feedback

Negatives

- Defining “data” is complex
- Data collection completion is difficult unless completed by the principal investigator
- Dependency on external systems can be unreliable
- Can be time consuming
- A burden once a research project is complete
A year of ReShare

• A recommended repository by Scientific Data, the open-access data journal of Nature Publishing Group.

• 688 ReShare project records available in the UK Data Service Discover catalogue.

• 500 migrated from the ESRC Data Store

• 188 projects submitted since ReShare launched April 2014

• 210 collections pending
  • 55 in review
  • 155 in the pipeline – being deposited or being sent back after review for actioning
ReShare Quality Mark

Aims:

• To motivate researchers to create high quality data collections.

• Exemplify these high quality collections.

• Based upon ReShare’s fundamental review criteria.
  (http://reshare.ukdataservice.ac.uk/reshare-review-procedures/)
ReShare Quality Mark

How it works..

We award a score of 1 to 3 for each element of the criteria.

• 1 = lacking essential criteria
• 2 = satisfactory
• 3 = excellent

• The quality mark will be awarded by the ReShare administrator conducting the review.

• Exemplar projects will appear on ReShare’s home page.
Quality Mark Criteria

Data quality
• Completeness of data collection (no missing data files/elements, data corresponds to method)

Structure of data collection
• good zip bundle/folder structure, clear file names, logical folders
• Complete datasets in supported formats (http://ukdataservice.ac.uk/manage-data/format/recommended-formats.aspx)

Consistency of data collection
• uniform transcript formats, uniform tables, sufficient internal metadata
Quality Mark Criteria cont.

Best efforts made for data sharing
- data optimally anonymised
- consent for sharing in place
- optimal openness of data

Documentation quality
- Robust supporting documentation
- ReadMe file, clear and sufficient documentation to understand the data collection

Complete metadata record
- comprehensive abstract and metadata information,
- depositor information and affiliation
- Provide “related resources”
ReShare Quality Mark

ReShare

"Archiving and sharing research data"

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OUR QUALITY MARK: EXEMPLAR DATA COLLECTIONS


ReShare in Discover

Discover data

We hold the UK’s largest collection of digital social research data

Search and browse our collection and related documentation, guides and case studies
Read more
ReShare in Discover

Discover

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

Type

Subject

Date

Data type

Results per page: 10

Displaying 1-10 of 15 results

SN 851150 Investigating Adolescent Violence towards Parents
Rachel Condy, University of Oxford

SN 850417 Contested development?: intimate partner violence and women's employment in urban and rural Tanzania
Questions

Contact details:

Louise Bolger
Collections Development Officer

reshare@ukdataservice.ac.uk