Funding and obstacles for building capacities

The CESSDA ERIC case

Irena Vipavc Brvar | ADP and Chair CESSDA Training Working Group

CESSDA Widening meeting, Skopje, 5-6 November 2019
Human resources (CESSDA SAW D3.3)

- What **kinds of skills and capacities** are necessary at first or can be developed later on?
- **How many** staff members are needed in order to successfully carry out the objectives?
- How many staff members **are really possible** given available resources, and what are the implications of this with respect to the services and goals? In terms of human resources, what is the bare minimum needed to operate a national data service in the country?
- What kind of **internal structure** will be there in place?
- What will be the **roles and responsibilities** of different staff members?
Data service manager (CESSDA SAW D3.3)

Profile: Management skills; strong communication skills; social sciences background; proponent of open data and research transparency

Main activities:
- Management of the data service
- Setting of policy and procedural rules
- Relations with national and international stakeholders and partners
- Data service promotion towards the research community (the beneficiaries)
Data specialist (CESSDA SAW D3.3)

Profile: Systems administration, software programming and database management, software development and maintenance, overall understanding of data exchange protocols in a networked environment and security issues associated with it.

Main activities:
- Install and maintain servers
- Install and maintain hardware for staff
- Install and maintain software to archiving and dissemination of data
- Develop and maintain data service website
It specialist (CESSDA SAW D3.3)

Profile: Management skills; strong communication skills; social sciences background; proponent of open data and research transparency

Main activities:
- Management of the data service
- Setting of policy and procedural rules
- Relations with national and international stakeholders and partners
- Data service promotion towards the research community (the beneficiaries)
Mission of the archive

⋄ Sharing your data with us ensures that your data will be professionally curated and managed.

⋄ All data disseminated have undergone rigorous checks to ensure that they have been fully anonymised, thus protecting the individual data confidentiality.

⋄ Data are enhanced through the creation of metadata based on the Data Documentation Initiative (DDI) international standard for describing statistical and social science data.

⋄ We are committed to maintaining data resources for the long term, ensuring that, as data formats evolve and advance, the archive’s holdings are always available in easily accessible forms.

⋄ *We hold Data Seal od Approval (DSA), a certificatic trusted data repositories.
What will you offer?

Will you do everything on your own (example ISSDA)?

Can you share personnel with other departments?

Are there any institutional regulations or national law that apply? GDPR!

To which communities?

Services for Researchers
Services for Students
Services for Teachers
Services for Research Funders
Data formats?

- Tabular data with extensive metadata
- Tabular data with minimal metadata
- Geospatial data (vector and raster data)
- Textual data
- Image data
- Video data
- Documentation and scripts
FSD’S main functions

**FSD’S MAIN FUNCTIONS ARE**

- data acquisition
- processing and preserving archived data
- providing metadata for archived data
- supervising use conditions set for data
- delivering data to users
- providing other information services related to data
- promoting data reuse
- promoting good practices in data collection and reuse
- supporting research methods teaching
- providing information on data archiving activities
- participating in international data archive collaboration

**IN ADDITION TO ITS MAIN FUNCTIONS FSD**

- participates in developing data processing practices at national and international level
- organises and promotes social science research and teaching
- produces publications on relevant issues
- develops other relevant services

Source: https://www.fsd.uta.fi/en/data-archive/#operating-principles
Policy of digital preservation
Compliance with the OAIS and Core Trustworthy Data Repositories Requirements v01.00.

Source: Digital preservation policy (2017), ADP
Tools and standards

CESSDA Technical Infrastructure Training Day

The CESSDA Technical Infrastructure Training Day will be held on 5th December 2019.

Follow-up to the EDDI18 CESSDA technical training event. It will cover:

- deploying an application on the CESSDA Technical infrastructure (from commit, via build and test in development and staging to deployment in the production environment)
- using the CESSDA public APIs;
- distributed logging.

For CESSDA Service Provider staff working on the implementation of CESSDA Tools and Services and of their own back office systems.
### TUTORIALS

<table>
<thead>
<tr>
<th>What can DDI do for you? An introduction to the DDI</th>
<th>Let’s take a look at the DDI-documented paradata collected by the information system of a longitudinal panel!</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beyond documenting a codebook...using DDI to support the management and processing of metadata</td>
<td>Generating DDI 4 in the Language of your Choice</td>
</tr>
</tbody>
</table>

Diversity Scholarships

3. – 4. December 2019
Tampere / Finland

2. December 2019

Tools and standards
Tools

European Dataverse Workshop 2020

Representatives from (European) research institutions that are using, or planning to use, Dataverse to run their research data repositories, and, more generally, research institutions that are looking for a repository software.

January 23-24, 2020 (during the Northern Lights season!)

held at UiT The Arctic University of Norway

The Dataverse Project

Open source research data repository software
Tools / statistical packages / RDM

**Coursera**

**Coursework**

Many free

Each course is like an interactive textbook, featuring pre-recorded videos, quizzes, and projects.

**Certificates**

Earn official recognition for your work, and share your success with friends, colleagues, and employers.

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**Python**

**Linux**

**WordPress**

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Research Data Management and Sharing
Data Catalogue

The CESSDA Data Catalogue contains the metadata of all data in the holdings of CESSDA’s service providers. It is a one-stop-shop for search and discovery, enabling effective access to European social science research data.

Data Management Expert Guide

This guide is designed by European experts to help social science researchers make their research data findable, accessible, interoperable and reusable.

Training

The CESSDA Training website provides a collection of resources and events for learning about the management, preservation and distribution of research data.
We focus on training for

- data producers,
- data users,
- data professionals and CESSDA Service Provider staff.

You can find training, advice and educational resources on:

- discovering and using data,
- managing research data,
- preserving data and using CESSDA's tools and services.
Recurring elements - DMP

Adapt your Data Management Plan
A list of Data Management Questions based on the Expert Tour Guide on Data Management

Overview

- Title of the project
- Date of this plan
- Description of the project
  - What is the nature of the project?
  - What is the research question?
  - What is the project time line?
- Origin of Data
  - What kind of data will be used during the project?
  - If you are using existing data, what is the scope, volume and format? How are different data sources integrated?
  - If you are collecting new data can you clarify why this is necessary?
- Principal researchers
  - Who are the main researchers involved?
  - What are their contact details?
- Collaborating researchers (if applicable)
  - What are their contact details and their roles in the project?
- Funder (if applicable)
  - If funding is granted, what is the reference number of the funding granted?
- Data producer
  - Which organisation has the administrative responsibility for the data?
- Project data contact
  - Who can be contacted about the project after it has finished?
- Data owner(s)
  - Which organisation(s) own(s) the data?
  - If several organisations are involved, which organisation owns what data?
- Roles
  - Who is responsible for updating the DMP and making sure that it’s followed?
  - Do project participants have any specific roles?
  - What is the project time line?
- Costs
  - Are there costs you need to consider to buy specific software or hardware?
  - Are there costs you need to consider for storage and backup?
  - Are potential expenses for (preparing the data for) archiving covered?

Adapt your DMP: Part 1

The Data Management Plan (DMP) is an important tool to structure the research data management of your project. After working on each chapter you should be able to answer part of the questions, which make up a DMP.

This is the first of six 'Adapt your DMP' sections in this tour guide. When you have finished the chapter on data management planning, you can start filling in the 'Overview of your research project' section. Below you can see what elements and corresponding questions are generally included in that section. You can select appropriate questions and answer them to adapt your own DMP.

For easy reference, we have put together a list of DMP-questions for all chapters in this tour guide. You can view and download it (CESSDA, 2017) and keep it as a reference while you are studying the contents of this guide.

- Title of the project
- Date and version of this plan
- Description of the project
- Origin of the data
- Principal and collaborating researchers
- Funder (if applicable)
- Data producer
- Project data contact
- Data owner(s)
- Roles
- Costs
Updating country specific parts

- Data management requirements in your country
- Ethical reviews and committees
- Data protection and consent form
- Copyright law

If you want your national information to be added please contact us by Nov. 15
RDM and other CESSDA trainings

- Train the trainers (2018 Ljubljana, 2019 Athens)

- Local events (budget for and expert):
  
  - Workshops in 2018, in Lithuania, in Denmark and Netherlands where the DMEG was presented.
  
  - in 2019: Croatia, Germany, Bosna and Hercegovina

- Topical webinars

www.cessda.eu/DMEG/TTT
### CESSDA expert seminar

<table>
<thead>
<tr>
<th>Year</th>
<th>Location</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>Colchester, UK</td>
<td>CESSDA tools and services</td>
</tr>
<tr>
<td>2018</td>
<td>Ljubljana, Si</td>
<td>CESSDA technical infrastructure</td>
</tr>
<tr>
<td>2017</td>
<td>Bergen, NO</td>
<td>Revised legal and ethical framework for archiving and re-use/use of new types of data</td>
</tr>
<tr>
<td>2016</td>
<td>Prague, CZ</td>
<td>Developing components for the Research Infrastructure</td>
</tr>
<tr>
<td>2015</td>
<td>The Hague, NL</td>
<td>Trust Project</td>
</tr>
<tr>
<td>2014</td>
<td>Colchester, UK</td>
<td>Research integrity - a digital curation problem?</td>
</tr>
<tr>
<td>2013</td>
<td>Vienna, AT</td>
<td>Research Data Management: Cost and Incentives</td>
</tr>
<tr>
<td>2012</td>
<td>Tampere, FI</td>
<td>Data Acquisition and Licence Agreements</td>
</tr>
<tr>
<td>2011</td>
<td>Lausanne, CH</td>
<td>Question data banks - towards greater integration</td>
</tr>
</tbody>
</table>

**FIRST in 1987 in Odense, Denmark:**

From Localisation to Cataloguing of Data Sets
Resource directory to be moved
Tools and Services for Service Provider (or other repository) staff

- Introduction to Digital Preservation – for new service provider staff
- Preparing Metadata for the CESSDA Data Catalogue
- CESSDA Vocabulary Service
- Documentation and Metadata for Geodata
- Documentation and Metadata for Social Media Data

Tools and Services for Researchers

- Harmonization of variables, including case studies with real data
- Geodata Referencing with ESS Case Study
- Data Linking – Surveys, Social Media, and Geo data

CESSDA Training days
Events relevant for data archivists

Deadline for presentation and Workshop submission
6.12.2019

IASSIST Fellows Program
Application deadline 17.1.2020

Deadline for early fee
15.3.2020

DATA BY DESIGN
IASSIST 2020 · Gothenburg
May 19 - May 22, 2020

IASSIST 2019
Data Down Under: Exploring “Data Firsts”
Sydney, Australia, May 27-31, 2019
» Presentations
Event sponsorship (2017, 2019)

REGIONAL ROUND TABLE:
LEGAL AND ETHICAL ISSUES IN RESEARCH DATA MANAGEMENT
AND OPEN SCIENCE IN SEE COUNTRIES
Vision

Researchers and innovators openly share data across technologies, disciplines, and countries to address the grand challenges of society.

Mission

RDA builds the social and technical bridges that enable open sharing of data.

SOURCE: RDA web page
OPENNESS
Membership is open to all interested individuals who subscribe to the RDAs Guiding Principles. RDA community meetings and processes are open, and the deliverables of RDA working Groups will be publicly disseminated.

CONSSENSUS
The RDA moves forward by achieving consensus among its membership. RDA processes and procedures include appropriate mechanisms to resolve conflicts.

BALANCE
The RDA seeks to promote balanced representation of its membership and stakeholder communities.

HARMONIZATION
The RDA works to achieve harmonization across data standards, policies, technologies, infrastructure and communities.

COMMUNITY-DRIVEN
The RDA is a public, community-driven body constituted of volunteer members and organizations, supported by the RDA Secretariat.

NON-PROFIT
RDA does not promote, endorse, or sell commercial products, technologies or services.
RDA Supporting Outputs
RDA: Who? What? Where?

Introducing the Research Data Alliance and its Opportunities for the Social Sciences

Social Science Research Data IG

Chair (s): Ron Dekker, Jonathan Crabtree, Steven McEachern

https://www.rd-alliance.org/groups/social-science-research-data-ig

RDA Europe offered financial support to Early Career European Researchers & Scientists working with data to attend the 14th RDA Plenary meeting.
Statistical methods training

49th GESIS Spring Seminar: Digital Behavioral Data

Date: 02.03 - 20.03.2020 ics-file

**Week 1**

**Week 1: Fundamentals of Data Analysis with Python**
02.03.2020 - 06.03.2020 - Dr. John McLevey, Jillian Anderson

**Week 2**

**Week 2: A Practical Introduction to Machine Learning in Python**
09.03.2020 - 13.03.2020 - Dr. Damian Trilling, Dr. Anne Kroon

**Week 3**

**Week 3: Social Network Analysis with Digital Behavioral Data**
16.03.2020 - 20.03.2020 - Dr. David Garcia, Max Pellert

GESIS Summer School in Survey Methodology
Coming in next months

- Webinar - Digital divide based on the survey data collected in the World Internet Project (EKKE)  
  28.11.

- EQB (GESIS)  
  29.11.

- QA MYDATA (UKDS)  
  2.12.

NCRM-funded UK Data Service project to develop a lightweight, open-source tool for quality assessment of research data

A ‘data health check’ tool that identifies the most common problems in data submitted in disciplines that utilise quantitative methods
Thank you for your attention!

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