

CESSDA sets the stage for data infrastructure of the future



IASSIST 2016

Bergen, May 31 – June 3

**Vigdis Kvalheim, CESSDA
Deputy Director, NSD**

cessda

Before June 2013: CESSDA an Umbrella Organisation



European Strategy Forum for Research Infrastructures (ESFRI)

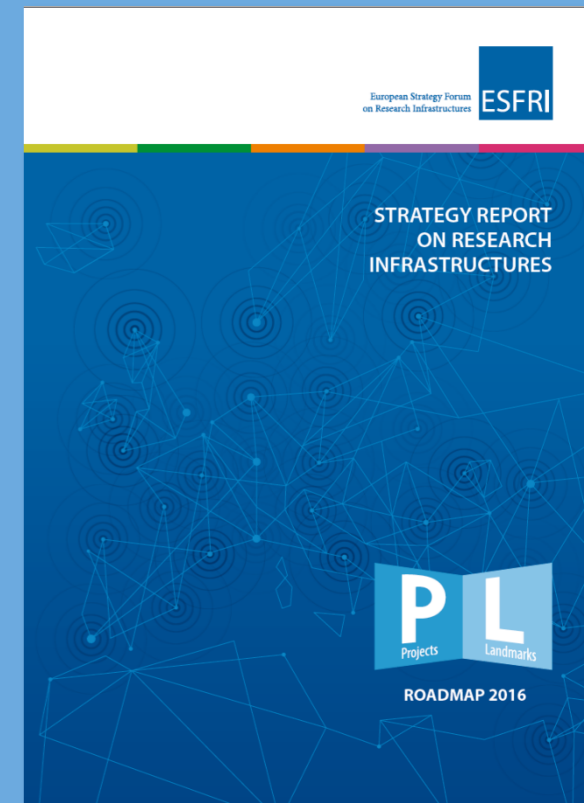
Set up by the European Research Ministers (EU and beyond) and the Commission to support a coherent and strategy-led approach to policy-making on research infrastructures in Europe



ESFRI Roadmap 2016 - ESFRI Landmarks

CESSDA and 28 other RIs that were implemented or started implementation under the ESFRI Roadmaps

“These are successfully implemented ESFRI projects that are featuring top science services or effectively advancing in their construction.”



Why Legal Entity?

- Commitment on a ministerial level to fund and operate a national service provider meeting specific membership requirements
- Widen and strengthen CESSDA,
- CESSDA internal funding for projects and tasks
- Professional training and support for data archivists
- Certification of data archives
- Hopefully strong involvement of organisations outside Europe
- Increase impact- facilitate research
- Position CESSDA – Make CESSDA Attractive – Strengthen and Widen

15 (16) members:

1. Austria
2. Belgium
3. Czech Republic
4. Denmark
5. Finland
6. France
7. Germany
8. Hellas
9. Lithuania
10. Netherlands
11. Norway
12. Slovenia
13. Sweden
14. Switzerland
15. UK
16. Slovak Republic (Observer)

10 countries with activities aiming at membership:

- Bulgaria
- Croatia
- Estonia
- Hungary
- Ireland
- Italy
- Portugal
- Romania
- Serbia
- Spain



CESSDA Service Providers

National Service Providers

- **Constitute the operational distributed network**
- **Service Level Agreements based on CESSDA statutes**
- **Must adhere to CESSDA policies, operational rules and standards**
- **Evaluated every second or third year**



Service Providers' Forum

- **Consists of representatives of the Service Providers, and has an advisory function**
- **The CESSDA Director shall consult with the Service Providers' Forum at least once a year on the future plans and technical aspects**

EU Projects - ongoing

cessda saw

2 year H2020 RIA (research and innovation action) - coordinator



4 year H2020 RIA (cluster project) - beneficiary



3 year H2020 CSA (coordination and support action) - beneficiary

EU Projects - Submitted Proposals

1. INFRAIA-01-2016-2017: Integrating Activities for Advanced Communities. Proposal “Data without Boundaries 2-DwB2”. CESSDA participates as beneficiary (with FORS, CSDA and FSD as linked third parties). UKDA, GESIS, DANS.
2. INFRASUPP-01-2016: Policy and international cooperation measures for research infrastructures. Proposal “European Research Infrastructures in the International Landscape – RISCAPE”. CESSDA as beneficiary (UKDA as linked third party).
3. 1st stage proposal under INFRAIA-02-2017: Integrating Activities for Starting Communities. Proposal “An Integrated Community On Population and Life Course Dynamics – PopLife”. CESSDA as beneficiary (GESIS, NSD, and UKDA as linked third parties).
4. 1st stage proposal under EINFRA-22-2016 topic: User driven e-Infrastructure innovation. Project proposal “Core Certification for Data Repositories in and Open Science Infrastructure – Trust4Data”. CESSDA as associated partner (all SPs involved).

CESSDA Internal Projects

Work Plan Tasks 2015 :

- CESSDA Technical framework
- Open Source Metadata Harvester
- CESSDA Metadata Management
- CESSDA Data Access Policy
- Expert Seminar (DANS)

Work Plan Tasks 2016

1. CESSDA Product and Service Catalogue phase 1
2. Training modules for “data discovery”
3. PID (Persistent Identifier) Services and Training
4. Harmonization Platform and the CESSDA Catalogue
5. Components of the Question Data Bank
6. Expert Seminar 2016 (CESSDA Technical work and services/products, September, Prague, 1 day)

Preparing for the future

cessda saw

“CESSDA already has a critical impact on the social sciences and related research communities, as it provides access to numerous data collections, enabling European comparative research and contributing to thousands of theses and scientific publications.


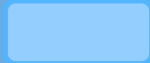
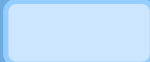
A major upgrade is necessary, however, in order to strengthen and widen the existing research infrastructure and make it more comprehensive, efficient, effective, integrated and pan-European”.
(CESSDA Work Plan 2014-2015)

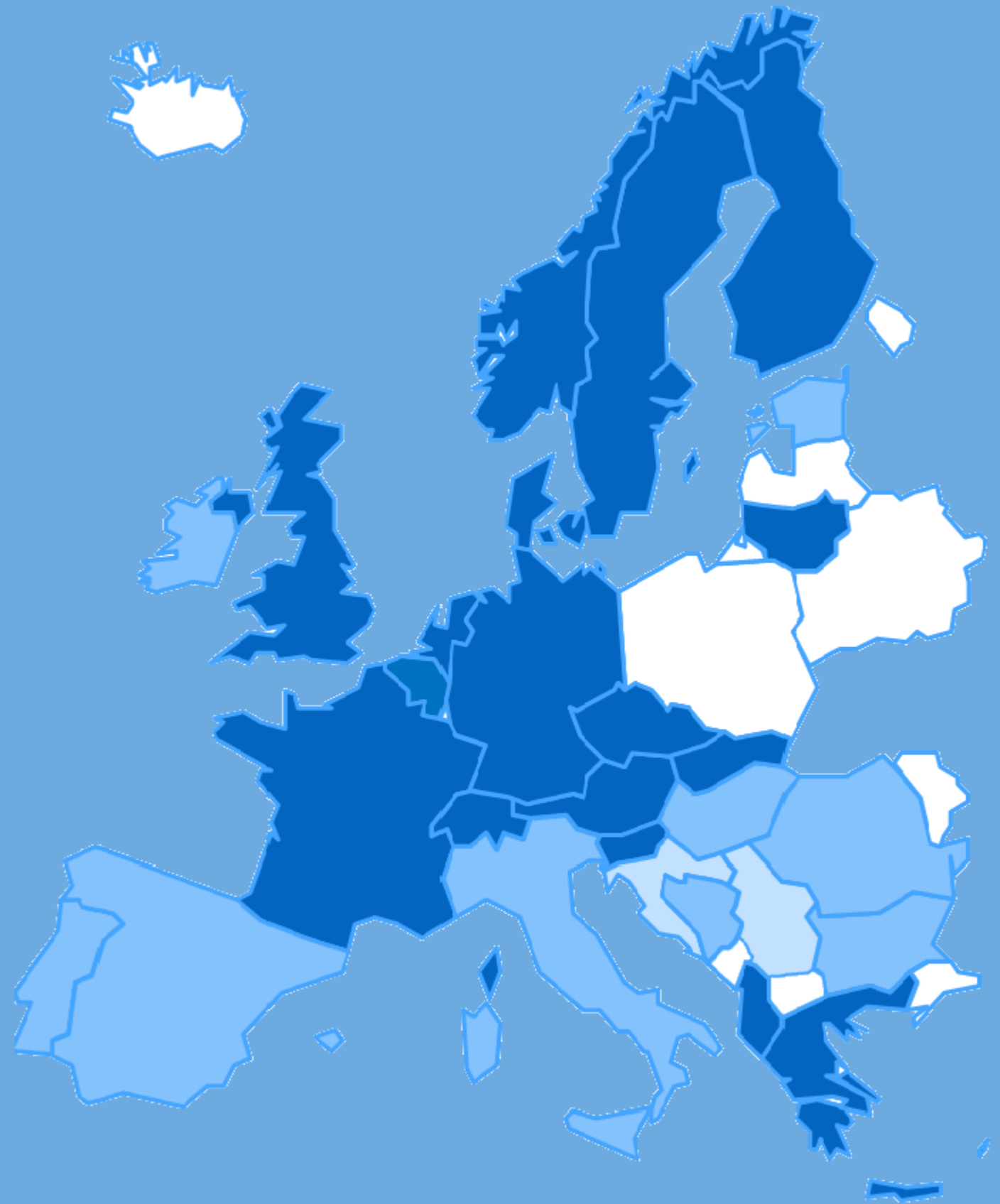
The CESSDA SaW aims to increase the impact of CESSDA activities by expanding and improving services for researchers across Europe

cessda saw

“The objective of the project is to develop the maturity of every national data archive service in Europe, and to develop it in a coherent and deliberate way towards the vision of a comprehensive, distributed and integrated social science data research infrastructure, facilitating access to social science data resources for researchers regardless of the location of either researcher or data.”

cessda saw

-  CESSDA members
-  Members of «old» CESSDA
-  Croatia and Serbia



Strengthening and widening –
going commitment of CESSDA

The tasks arising from this commitment are substantial, and clearly move far beyond the scope of this project!

A commitment set out in the CESSDA Statutes, the Work Plan 2014-2015, the CESSDA strategy,..

“Provide mentor support for CESSDA Observers and their representative Service Providers to achieve full Membership;

Provide member support for countries with immature and fragile national infrastructures to help them build up needed competence later to be able to fulfil tasks as Members”

Statutes for CESSDA, Annex 2, Commitments of Service Providers

cessda saw

1. to prepare a developmental model for the purpose of evaluation of the current state of play in national social science data archive services,
2. to design packages of development support (including cost/benefit analysis, methodological knowledge, knowledge transfer on technical issues, and training
3. to further the strength of the CESSDA membership to ensure it is capable to providing support to others,
4. to undertake actions to further the global outreach of CESSDA, to both offer and to benefit from solutions to the challenges facing all data science infrastructures.

The objective is to expand and improve services for researchers

Building capacity, increase impact and trust

cessda saw

Target Countries

1. CESSDA member countries
2. Established national data service seeking support for becoming full CESSDA members
3. Countries with promising infrastructure proto-activities
4. *Countries with poor or no infrastructure and/or poor prospects of EU integration*

SSH are well placed to develop common solutions for data management, access and sharing

Variations across research fields and countries regarding the existence of research infrastructures and deposit solutions

Variations across CESSDA archives along the north-south and east-west dimension



High-quality Data Archive Services (DASs):

A. well-known DASs

UKDA CESSDA

GESISCESSDA

NSD CESSDA

DANS CESSDA, CLARIN, DARIAH

TLA CLARIN

http://dasish.eu/publications/projectreports/DASISH_D4.3_081214-final.pdf

Main selection criteria for high-quality DASs

- Having met minimally the DSA criteria
- Availability of a preservation policy
- Clear deposit licences
- Clear usage licences
- Clear rights management

WP3 Enlargement and strengthening through planning and engagement

- Landscape description and state of play evaluation identifying gaps and bottlenecks in existing services against the minimum requirements specified in the capability development model.
- National development plans to close gaps/overcome barriers.
- Issues arising from novel data sources in various domains.

Expanding and improving services for researchers

Building capacity and trust

WP4

Strengthening and widening through knowledge exchange

- The key objective is to enlarge and strengthen CESSDA through knowledge exchange between current members and potential or aspiring members.
- A bottom-up approach, promoting the establishment of new data archives and strengthen existing ones.
- Five development support tasks, each focusing on an aspect of the required knowledge exchange.
- The sixth task focuses on understanding how data archives contribute, key performance indicators.

Strengthening and widening through knowledge exchange

Development support:

1. **Training programme** for data archive practitioners, on ingest and dissemination practices, trust (Data Seal of Approval), and standards integration (webinars, tutorials, work-shops).
2. **Guidelines and resources** for the development of internal service provider policies
3. **Achieving the DSA**

4. Based on the result mapping and gap analysis in WP3
 - Establish the demand for development services
 - Establish the supply of development services
 - Pilot the delivery of development support services
5. Establishing a CESSDA partner network of established non-member data services to support processes of integration into CESSDA (Workshops)
6. Understanding the economic impact of social science data archives

WP5: Strengthening and Widening through Global Engagement

1. Benchmarking CESSDA against ICPSR as a leading inter-institutional consortium of data archives
2. Initiate a permanent forum for knowledge and information exchange to develop human end technical capital
3. Explore and seek support for an international curriculum and professional qualifications in digital data services for the social sciences



cessda

Thank you for your attention

website: www.cessda.net / twitter: @CESSDA_Data