

SSHOC - Social Sciences and Humanities Open Cloud



Lifting Technologies and Services into the SSH Cloud

Daan Broeder – CLARIN ERIC
EOSC services collaborations and RDA workshop
Oct 21, 2019, Helsinki



This project is funded from the EU Horizon 2020 Research and Innovation Programme (2014-2020) under Grant Agreement No. 823782



SSHOC a Thematic Cluster Project for the SSH and CH

🌀 Consortium: Social Sciences and Humanities (SSH) ERICs and Cultural Heritage (CH) network combined with their partner organizations: *CESSDA*, *CLARIN*, *DARIAH*, *ESS*, *SHARE*, *E-RIHS* combined with their partners in total 45 organizations

🌀 Resources: 14.5ME, duration: 40 months, Jan 2019 – Apr 2022

🌀 History EU SSH projects:

- 🌀 The SSH and Cultural heritage communities have come together in cluster projects before in different constellations
- 🌀 Broad coalitions vs. smaller topic oriented ones
- 🌀 SSHOC is the broadest coalition in the SSH cluster projects until now.



This project is funded from the EU Horizon 2020 Research and Innovation Programme (2014-2020) under Grant Agreement No. 823782

SSHOC Objectives

- 🌀 Creating the Social Sciences and Humanities part of European Open Science Cloud (**EOSC**)
- 🌀 Maximizing re-use through **Open Science** and **FAIR** principles
- 🌀 Interconnecting existing and new infrastructures
- 🌀 Establishing appropriate **governance model** for SSH-EOSC



This project is funded from the EU Horizon 2020 Research and Innovation Programme (2014-2020) under Grant Agreement No. 823782

SSH are highly diverse

- 🌀 Diverse in research subjects and methodologies
- 🌀 Diverse also in its use of IT and e-Infrastructure for research
- 🌀 Largely historically determined; e.g. social sciences and (computational) linguistics had a considerable head start
- 🌀 Degree of discipline organization differs which influences uptake of new practice
 - 🌀 Some SSH communities cherish their uniqueness emphasizing highly specific requirements,
 - 🌀 ... others are more open to generalization, willing to scale-up and using the potential of large e-infrastructures



Some SSHOC Topics & Services

🌀 NLP services for all

🌀 Applying Natural Language Processing for the Humanities and Social Sciences

🌀 Interoperability Hub

🌀 Based on a thorough landscape study; provide advice and services for data and metadata format conversions

🌀 SSHOC Switchboard

🌀 Matching services with data; a generalization of the CLARIN Language Resource Switchboard

🌀 SSHOC Dataverse

🌀 Cloud repository system for the SSH based on Dataverse

🌀 Secure sensitive data access solution overview and evaluation

🌀 Both CESSDA and CLARIN must work with sensitive data; looking for common solutions for requirements from ethical standards and the GDPR

🌀 SSHOC Marketplace

🌀 A catalogue with advice and solutions for researchers



SSHOC services scope and sustainability

- Some are generalizations and extensions of existing services (Switchboard), others are new developments (Interoperability Hub, Marketplace)
- Many are not SSH specific, at least not concept-wise, and could be transplanted to other domains
 - But there is a difference between e.g. one big common Marketplace for all disciplines and many small ones wrt. scalability, maintenance effort and level of specificity
 - Often federative solutions can be found
- Most services are targeting a researcher end-user, but do require proper alignment with the stakeholder infrastructure managers
 - Involve integration in existing infrastructure
 - Will impact user experience of existing infrastructure
- With respect to sustainability we need services and data that have sufficient quality for organizations to be able to take responsibility
- There is tendency for projects to inherit the results of previous projects and SSHOC needs to be careful what it can/will support or endorse
- More on the sustainability topic in the Governance session*



Thank You



www.sshopencloud.eu



[@SSHOpenCloud](https://twitter.com/SSHOpenCloud)



[company/sshoc](https://company.sshoc)



info@sshopencloud.com



This project is funded from the EU Horizon 2020 Research and Innovation Programme (2014-2020) under Grant Agreement No. 823782

