

FAIR data ecosystem and repository certification

**Science Mesh Workshop ‘Global Platform for Scientific Collaboration’ -
Session ‘*Scientific disciplines embracing no border Research Environment thanks to Science Mesh*’**

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January 26, 2022



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



Project:



Horizon 2020
European Union Funding
for Research & Innovation

Type of action & funding:
Research and Innovation action
(INFRAEOSC-04-2018)

Partners: 45

(20 beneficiaries + 25 LTPs)

SSH ESFRI Landmarks and Projects
& international SSH data infrastructures

Project budget:
€ 14,455,594.08

Duration: 40 months
(January 2019 – 30 April 2022)

Project website:
www.SSHopencloud.eu



Objectives:

- creating the social sciences and humanities (**SSH**) part of European Open Science Cloud (**EOSC**)
- maximising **re-use** through **Open Science** and **FAIR** principles (standards, common catalogue, access control, semantic techniques, training)
- interconnecting existing and new infrastructures (clustered cloud infrastructure)
- establishing appropriate **governance model** for SSH-EOSC

Challenges

- Data is an asset that needs to be managed in order to maximise its value
- Varying level of maturity of services and repositories
- Sharing of responsibilities unclear
- Lacking governance, business models, metadata, documentation

How SSHOC Meets the Needs of Researchers

SSHOC Certification Support: Enabling open research with enhanced access and reuse of our rich European cultural and scientific heritage.

A Conversation with Tomasz Parkola

Meet our SSHOC Champion

I'm Tomasz Parkola. I work at Poznań Supercomputing and Networking Center where I manage the ICT R&D department focused on digital repositories and knowledge platforms. Among various activities, we provide e-infrastructure and software technologies for nationwide Digital Repository of Scientific Institutes (DRSI). One of the long-term goals of DRSI is to provide trusted datasets and digital resources for end-users. To ensure we have everything in place to enable open research, we're working towards a CoreTrustSeal certification. This is where the SSHOC Certification Support comes into play as a much-appreciated service on our side.

SSH Research Context

In PSNC, I work on innovative software technologies for digital repositories, data aggregation and digital humanities. Together with cultural heritage professionals and digital humanities researchers we define new ways of accessing and reusing our rich European cultural and scientific heritage. Thanks to these efforts, various research datasets, digital books and paintings as well as georeferenced resources are easily accessible online.

The Research Challenge: Accessing Trustworthy Data Sources

In my opinion trustworthiness is one of the most important aspects of every digital repository. It is especially helpful in the context of research workflows, data citation, linked open data or even advanced data analytics. Without reliable, safe and secure sources of data it is impossible to conduct open research activities and effective cross-national and cross-domain collaboration.

SSHOC: Making the Difference

We found the SSHOC Certification Support service very helpful when preparing the CoreTrustSeal application for Digital Repository of Scientific Institutes. The support service offered us a workshop, individual online discussions, comments, hints and suggestions on how to improve and make our CTS application better. Without that, the preparation process would have been much longer and required a lot more effort.

Tips and Tricks for a CoreTrustSeal

If you're thinking about preparing a CoreTrustSeal, then organise a team composed of data curators, data users and IT specialists. They all will need to fill out the application form. Getting advice from preservation professionals, such as those involved in SSHOC Certification Support, is a key to moving through the application process smoothly and seamlessly. Their experience and valuable input will guide you through the CTS requirements, help better understand them and improve your internal data-related processes.

Try the SSH Open Marketplace Beta version!

Have other research needs you'd like to discuss?

LET US KNOW HERE

Community

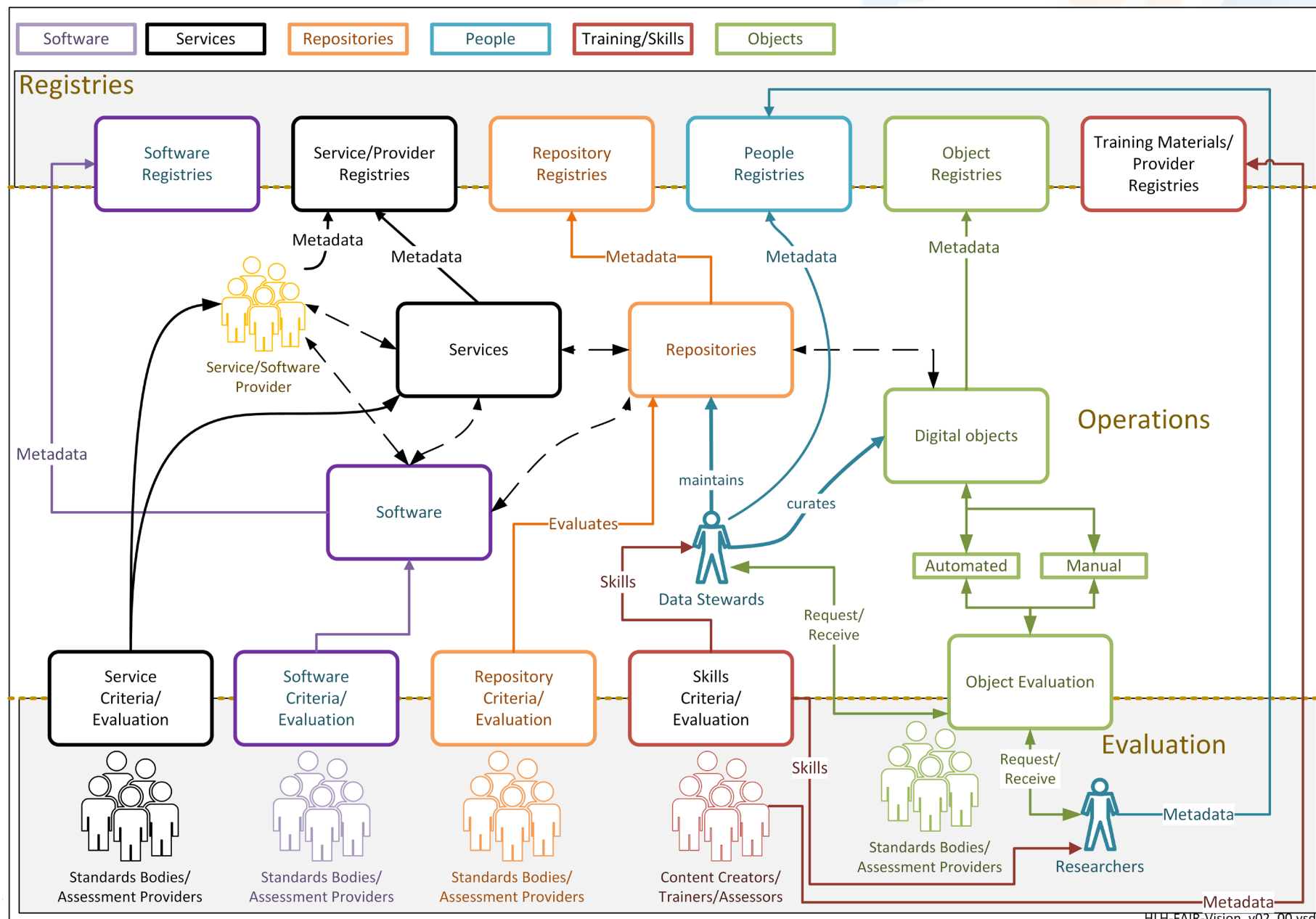
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SSHOC "Social Sciences and Humanities Open Cloud" has received funding from the European Union's Horizon 2020 project call H2020-INFRAEOSC-04-2018, Grant Agreement No. 823782.

Potential synergies

- FAIR enabling services and repositories are vital part of the ecosystem
- Trustworthy Digital Repositories (TDR) are key to increasing confidence
- Clarifying responsibilities to avoid overlap and to build on synergies
- Evaluation and certification mechanisms need to be developed further

Source: Hervé L'Hours, & Ilona von Stein. (2020). FAIR Ecosystem Components: Vision (02.00). Zenodo. <https://doi.org/10.5281/zenodo.3734273>



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