



Services to support FAIR data:  
Implementation story

# Certification of data repositories - CoreTrustSeal

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*2<sup>nd</sup> EOSC Hub week, Prague, April 12, 2019*

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# CORETRUSTSEAL DATA REPOSITORY CERTIFICATION

Promote trust and confidence in your shared data resources.

[Apply for certification](#)



## DATA REPOSITORIES REQUIREMENTS

Explore the 16 Core Trustworthy Data Repositories requirements which are intended to reflect the characteristics of trustworthy repositories.

[READ MORE](#) →



## HOW TO APPLY

We encourage repositories to seek core certification against Trustworthy Data Repositories Requirements

[READ MORE](#) →



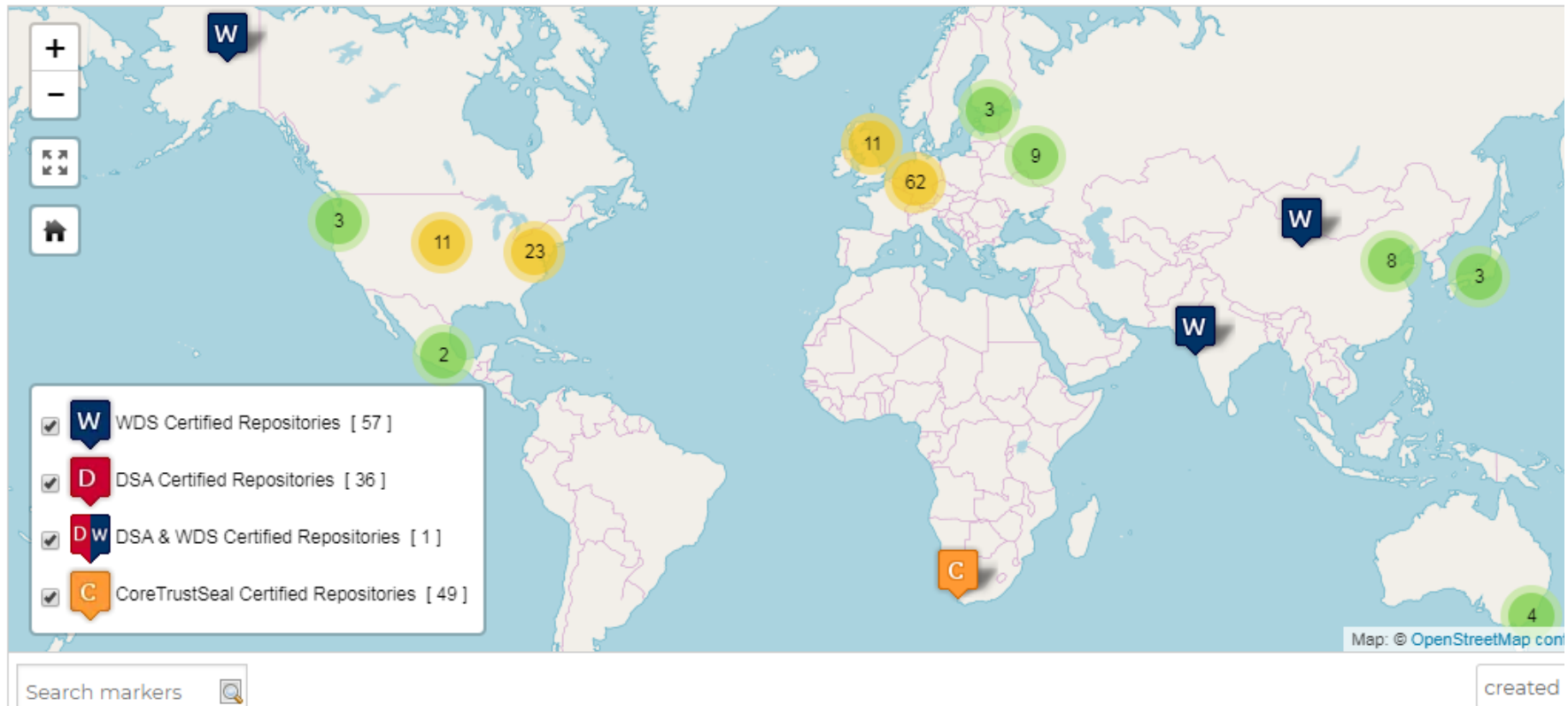
## LIST OF CERTIFIED REPOSITORIES

Explore CoreTrustSeal certified data repositories

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## Core Certified Repositories



## CoreTrustSeal Board

CoreTrustSeal is governed by the **Standards and Certification Board** elected by members of the Assembly of Reviewers ([Board election July 2018](#)). The Board is responsible for the development and maintenance of the CoreTrustSeal certification criteria and processes, and for the final approval of certifications. The Board is committed to ensuring community engagement and inclusion, transparency of processes, and the availability of a certification open to any appropriate data repository.

### CoreTrustSeal Board 2018–2021

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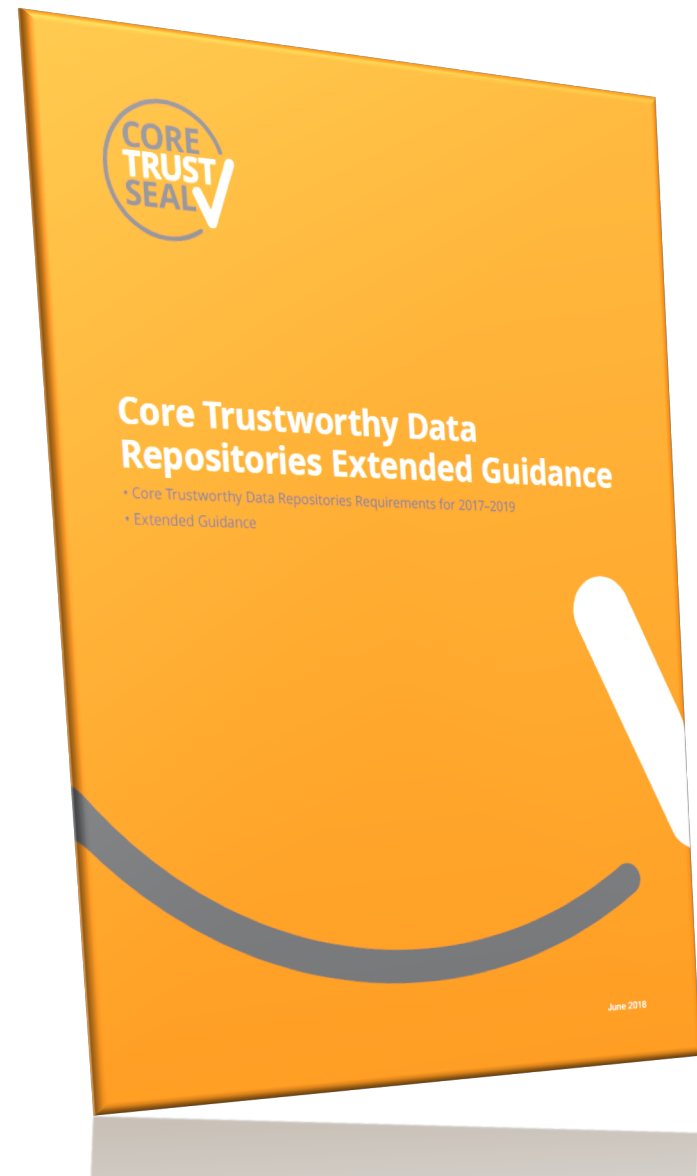
#### Ex officio

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- **Rorie Edmunds** (*World Data System*)
- **Ilona von Stein** (*Data Archiving and Networked Systems*)

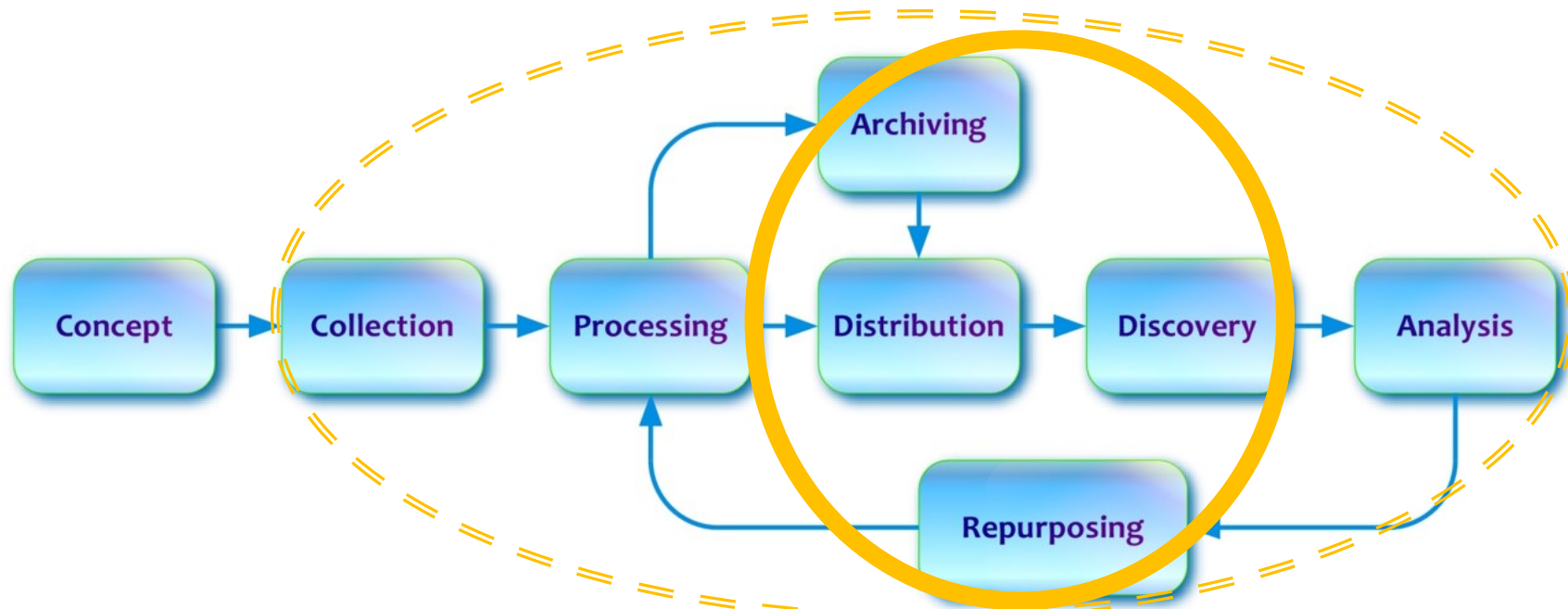
# CoreTrustSeal Requirements

16 Requirements:

- Organizational infrastructure (6)
- Digital object management (8)
- Technology (2)



# CTS and Research Data Lifecycle



DDI Alliance: DDI Data Lifecycle, <https://www.ddialliance.org/training/why-use-ddi>

CTS supports long-term access to re-usable data.

# FAIR aspects supported by CTS

- CTS certified repository can demonstrate to its users that it enables FAIR data.
- CTS can be seen as a reassurance that data deposited in the repository remain findable, citable, accessible, and re-usable for the long term. Interoperability is trickier but usually TDRs support it to the extent needed by the Designated Community.
- Trustworthy repositories provide **long-term stewardship** of FAIR data.
- It seems that the focus in the current FAIR discussions is on the (meta)data objects. Attention should be paid also to the environment in which the data are held (data repositories).

“FAIR principles focus on access to the data and do not explicitly address the long-term preservation needed to ensure that this access endures. Data should be stored in a trusted and sustainable digital repository to provide reassurances about the standard of stewardship and the commitment to preserve.”

*Turning FAIR into reality. Final report and action plan from the European Commission expert group on FAIR data (2018, p. 22).*

<https://doi.org/10.2777/1524>



# Engagement with other services

- CTS is a community effort with links to a wide range of stakeholders.
- ERICs like CESSDA and CLARIN require CTS certification from their service providers / centers.
- The heritage of TDR standards leads to an inevitable focus on OAIS-defined repositories undertaking active data preservation by data/disciplinary experts for Designated Community with a defined Knowledge Base.
- CTS is increasingly receiving queries about how more general purpose repositories or institutional repositories with a broad disciplinary remit might be better supported.
- Open [review of CTS Requirements](#) is ongoing until April 30.
- We expect that the outcomes of the [FAIRsFAIR](#) project will be directly relevant to the CoreTrustSeal Requirements.

# SSHOC project

- Coordinated by CESSDA ERIC, pools together Research Infrastructural excellence from the Social Sciences & Humanities Cluster Communities.
- Task 8.2 (lead by FSD) will bring the CESSDA Trust model to other SSH infrastructures and explore, with the CoreTrustSeal board, the possibilities of extending certification to infrastructure providers and to support complex partnership models.

<https://www.sshopencloud.eu/>



# What is needed to implement FAIR data and FAIR services?

- Need ways to ensure an unbroken chain of trust from data creation/collection to use.
- Need to pay attention to the long-term aspects.
- Research data will not become nor stay FAIR by magic. We need skilled people, transparent processes, interoperable technologies and collaboration to build, operate and maintain research data infrastructures.

# Thank you for your attention!

<https://www.coretrustseal.org/>

*I'd like to thank the members of the CoreTrustSeal Board for their contributions to this presentation.*