

CoreTrustSeal

From academic collaboration, to sustainable services

IASSIST & CARTO 2018: Once Upon a Data Point:
Sustaining our Data Storytellers, 1 June 2018, Montreal



Hervé L'Hours, UK Data Archive & UK Data Service, University of Essex
Mari Kleemola, Finnish Social Science Data Archive, University of Tampere
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In this presentation

- CoreTrustSeal in short
- History of CTS
- Design and delivery of service
- Benefits of CTS certification
- Future plans



CoreTrustSeal in short





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

[READ MORE](#) →

[Home](#)[About ~](#)[Certification ~](#)[Certified Repositories ~](#)[Apply ~](#)[Contact](#)

16+

Requirements



130+

Certified Repositories

Important Links

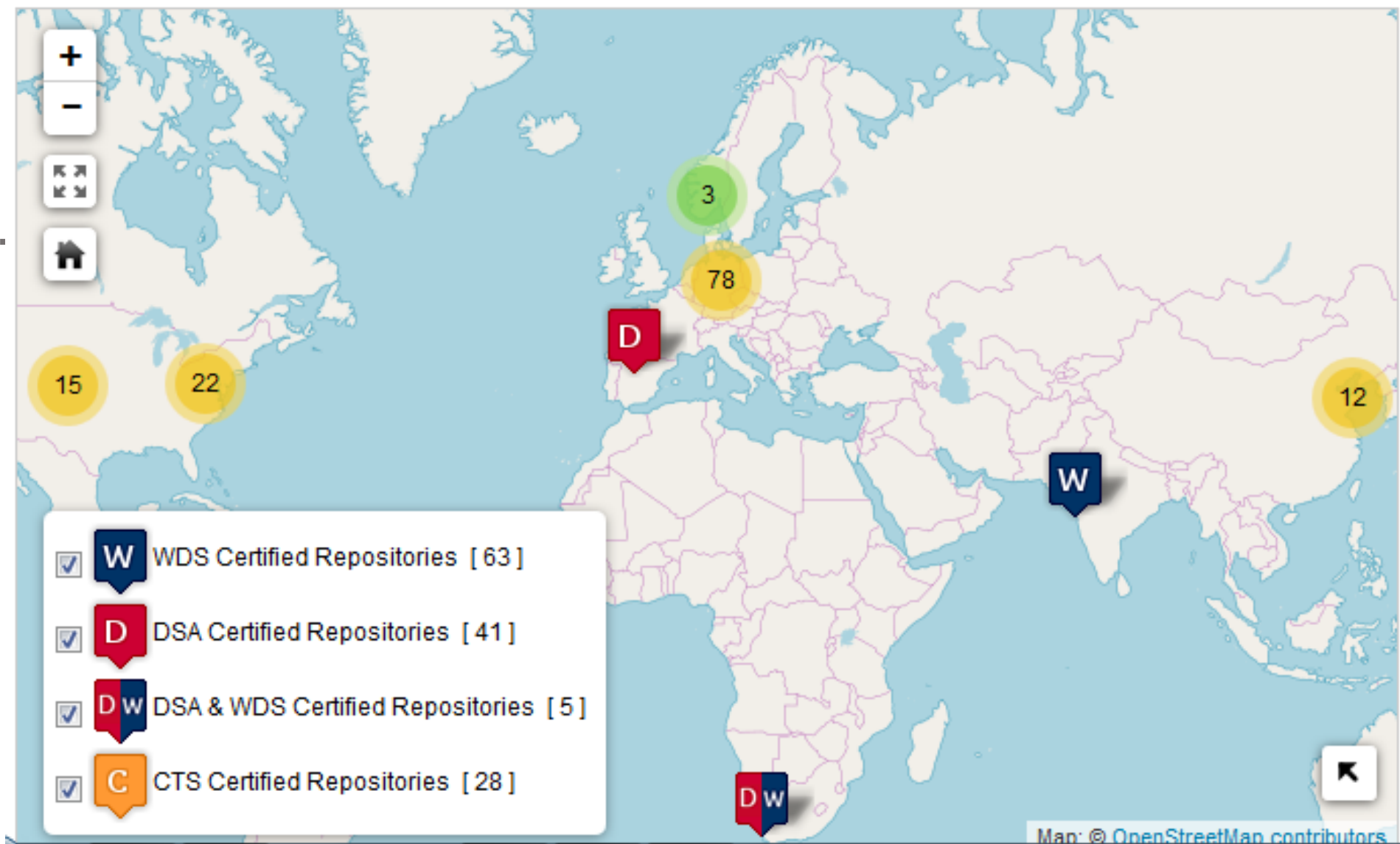
- › [About](#)
- › [Core Certified Repositories](#)
- › [Data Repositories Requirements](#)
- › [Apply for CoreTrustSeal Data Repository certification](#)

Upcoming Events

There are no upcoming events at this time.

Newly Certified repositories

- [Tilburg University Dataverse](#)
- [The Language Bank of Finland](#)
- [The ILC4CLARIN Centre at the Institute for Computational Linguistics](#)
- [LDC Catalog](#)
- [Subscribe to markers](#)



Back to the history...

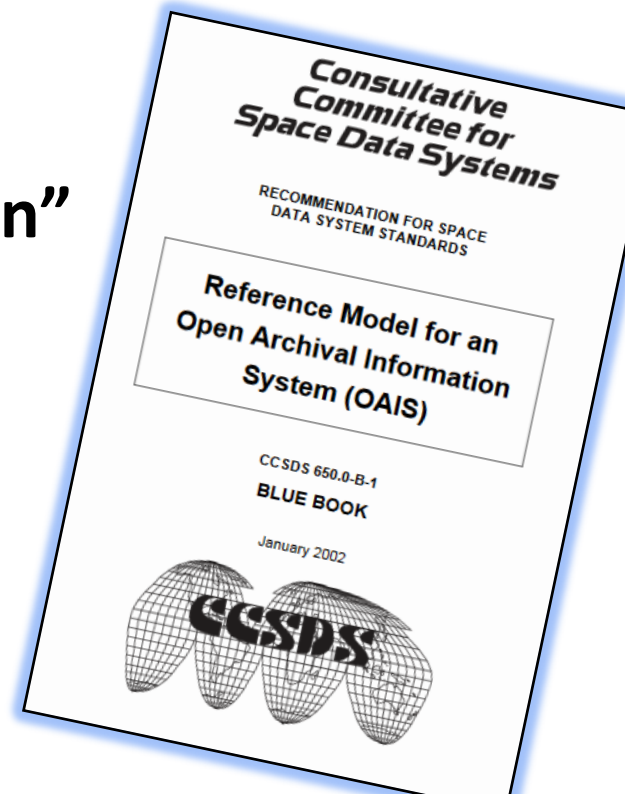


A (very) brief history of CoreTrustSeal

In the beginning there was the OAIS...

...and the OAIS said:

“let there be certification”



Timeline (from DSA perspective)



First
edition
of the
DSA by
DANS
• 2008

European
Framework
for Audit
and
Certification
• 2010

RDA DSA-
WDS
Partnership
Working
Group on
Certification
• 2013



Core Trust
Seal
launched
• 2017

OAIS
draft
version
• 1997

ISO
14721
• 2003

DSA
International
Board
established
• 2009

Second
revision of
DSA
Guidelines
• 2013

DSA and
WDS
announce new
'Core
Trustworthy
Data
Repository
Requirements'
• 2016

CTS
becomes
a legal
entity
• 2018

Design and delivery of service

CoreTrustSeal Governance

- Legal foundation under Dutch law
- Governed by the **Standards and Certification Board**
 - 12 elected members representing the Assembly of Reviewers
 - ex officio members representing CTS Supporting Organization
 - 3-year terms renewable once
- The **Assembly of Reviewers** consists of:
 - Qualified volunteer Reviewers designated by CTS certified Repositories
 - CTS Board
 - WDS Scientific Committee members part of a CTS certified data repository
- Members of the Assembly of Reviewers
 - can stand for election on the CTS Board and vote in elections (one vote for each CoreTrustSeal certified Repository)
 - will conduct a minimum of 2 CoreTrustSeal reviews per year



Founding CTS Board

- **Mustapha Mokrane** (*World Data System*) – **Chair**
- **Herve L'Hours** (*UK Data Archive*) – **Vice-chair**
- **Mari Kleemola** (*Finnish Data Archive*)
- **Ingrid Dillo** (*Data Archiving and Networked Services*)
- **John Faundeen** (USGS EROS Centre)
- **John Howard** (*James Joyce Library, University College Dublin*)
- **Wim Hugo** (*South African Environmental Observation Network*)
- **Toshihiko Iyemori** (*WDC Geomagnetism, University of Kyoto*)
- **Reyna Jenkins** (Ocean Networks Canada)
- **Jonas Recker** (*GESIS-Leibniz Institute for the Social Sciences*)
- **Robert R. Downs** (*CIESIN-SEDAC, University of Columbia*)
- **Paul Trilsbeek** (*Max Planck Institute for Psycholinguistics*)
- **Rorie Edmunds** (*World Data System*)
- **Ilona von Stein** (*Data Archiving and Networked Systems*)

CoreTrustSeal: What We've got

16 Requirements:

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

Core Trustworthy Data Repositories Extended Guidance

- Core Trustworthy Data Repositories Requirements for 2017-2019
- Extended Guidance



CoreTrustSeal: What you get

As of January 2018... a bill for 1000 Euros



CoreTrustSeal: What you get

As of January 2018... a bill for 1000 Euros

This covers the administrative costs:

- Secretariat
- Website
- Support for Reviewers

You're **not** paying to get reviewed by, and feedback, from two experienced TDR peer representatives whose conclusions are reviewed by a full Board.



CoreTrustSeal: Self-Assessment

- **Concise evidence statement for each requirement**
 - responding to the requirement
 - addressing guidance (but its not a Q&A)
 - being honest and clear about you organisation
- **Supported by documented evidence online**
 - evidence statement should identify which part of the evidence is relevant, and why
 - brief English resume of evidence which is not in English



Benefits of CTS certification



What's CTS for? Up to you!

- Information
- Education
- Conversation
- Organisation
- Certification
- Recognition
- Contribution

Benefits of certification

- Build the confidence of stakeholders,
- Improve documentation,
- Gain assurance that you are following best practice,
- Demonstrate transparency,
- Improve processes,
- Raise awareness about the importance of digital preservation,
- Spend less time on audit and certification as compared to audit and certification through other programs,
- Improve communication among staff members,
- Join a community of repositories who have demonstrated their commitment to digital preservation and following best practice.



(Donaldson, Dillo, Downs and Ramdeen (2017). The Perceived Value of Acquiring Data Seals of Approval.
<http://dx.doi.org/10.2218/ijdc.v12i1.481>)

CTS future plans

Certification as a Service for Complex Partnerships

- Questions:
 - how we define the acceptable scope of outsourcing
 - which requirements it might apply to
 - the level of control (and supporting evidence) applicant must provide to support assurances of trustworthiness
- Clear service level agreements are one key element of trust in complex partnership and outsourcing models.



Widening the Evidence and Certification Community

- 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.
- CTSis increasingly receiving queries about how more general purpose repositories or institutional repositories with a broad disciplinary remit might be better supported.
- Need ways to ensure an unbroken chain of trust from data creation/collection to use.



Thank you! Questions?

- <https://www.coretrustseal.org/>
- info@coretrustseal.org

