

# Our approach to Core Trustworthy Data Repositories Requirements

信頼できるデータリポジトリのコア認証要件への取り組み

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# Agenda



- RDUF and our subcommittee “Networking of Japanese disciplinary repositories and their stakeholders”
- Core Trustworthy Data Repositories Requirements
- Creation of a Japanese guidebook of Core Trustworthy Data Repositories
- What is clarified by our activities

# Networking of Japanese disciplinary repositories and their stakeholders



## Participants from Research Institutes



# Networking of Japanese disciplinary repositories and their stakeholders

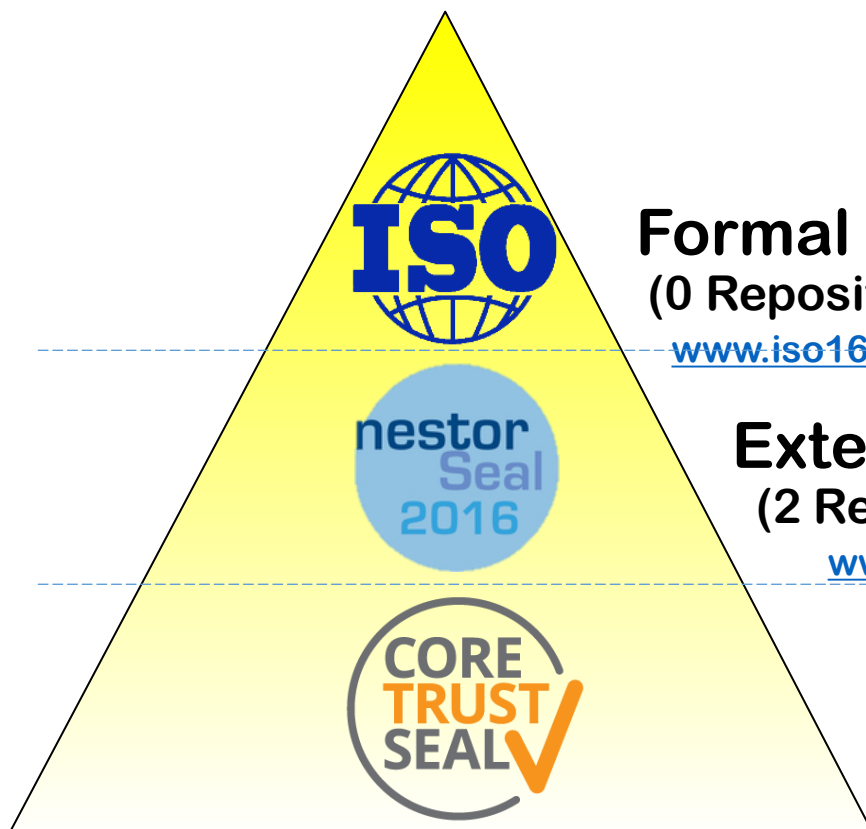
- Japan Link Center has established a Research Data Utilization Forum (RDUF) in 2016.
- A subcommittee “Networking of Japanese disciplinary repositories and their stakeholders” has established in last December, 2017.
- For the first time, we have been studying CoreTrustSeal as a material taking 5 trial self-assessment examples made by experts of participating data repositories.
- This trial has been extended in RDUF subcommittee.
- The purpose of this subcommittee is to construct a Japanese disciplinary repositories community by sharing information in order to improve the quality of Research Data Management.
- We do not know how many data repositories are going on in Japan. Now, we have 14 subcommittee members.

# Networking of Japanese disciplinary repositories and their stakeholders

## Our Activities

1	2017-12-04	Kick-off meeting: Trial to evaluate CTS certification requirements to participants' institute.
2	2018-02-06	Discuss about CTS certification application difficulties
3	2018-03-05	Understand how to write application form from 3 published CTS applications
4	2018-04-03	
5	2018-04-25	Introduction of policies published by research institutes that can be listed in CTS application
6	2018-05-11	Discuss the contents of the Japan Open Science Summit 2018 session program to be held in June

## Trustworthy Data Repositories Certifications



**Formal Certification ISO 16363:2012**  
(0 Repositories, 100+ requirements)

[www.iso16363.org/](http://www.iso16363.org/)

**Extended Certification DIN 31644**  
(2 Repositories, 34 requirements)

[www.langzeitarchivierung.de](http://www.langzeitarchivierung.de)

**CoreTrustSeal Certification**  
(130+ Repositories, 16 requirements)

[www.CoreTrustSeal.org](http://www.CoreTrustSeal.org)

## Trustworthy Data Repositories (TDRs)

# Core Trustworthy Data Repositories Requirements

## 18 Core Level Requirements

- Background information (1:R0)
- Organizational Infrastructure (6:R1-R6)
- Digital Object Management (8:R7-R14)
- Technology (2:R15,R16)
- Additional Information and applicant feedback(1)

Each Requirement is accompanied by guidance text to assist an applicant in providing sufficient evidence.

## Why Certification?

- Certification as a means to build trust in the repository with clients, both depositors and users of data, with the partner organizations and with research funders.
- Only 4 data repositories in Japan have acquired international certification.
- Even if participating members' repository will not to apply certification, we have an opportunity for improving our own institutions' research data management.

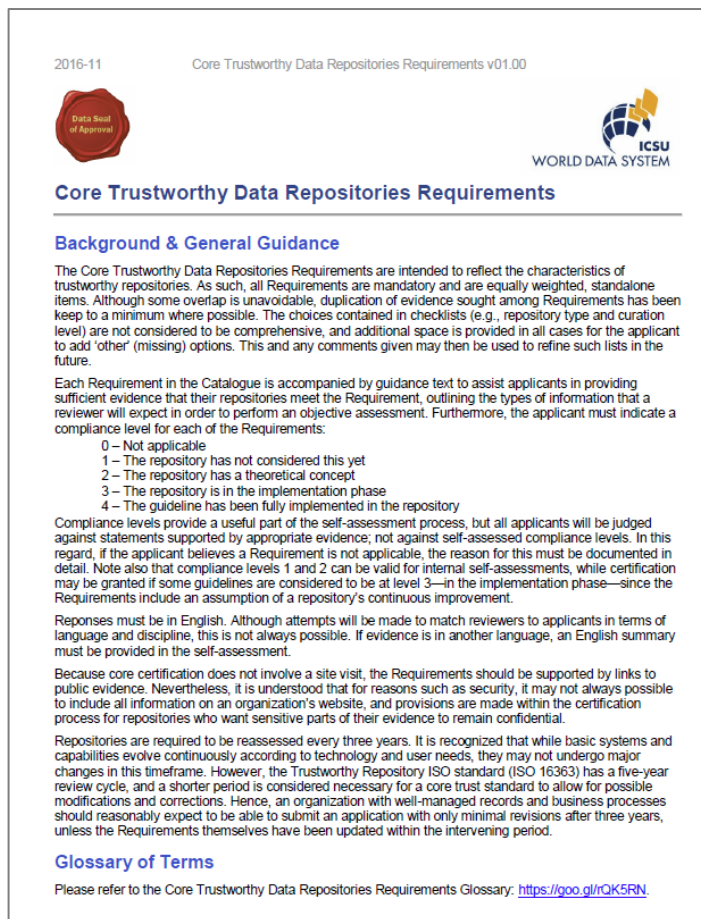


# Creating a Japanese guidebook of Core Trustworthy Data Repositories (ongoing)



## CoreTrustSeal Original document

## A Guidebook of CTS in Japanese (under development)



# Problems noticed in creating a guidebook

Compliance level for each of the Requirements:

**0** – Not applicable

**1** – The repository has not considered this yet

**2** – The repository has a theoretical concept

**3** – The repository is in the implementation phase

**4** – The guideline has been fully implemented in the repository

- How to understand “Compliance level”?
  - Degree being achieved?
  - Evaluation level?
  - Percentage to fulfill the request?
  - When there is no explicit contract about data deposit or data publication but it is operated without problems, what level will it be?
  - If there is a mission statement in the Web Site, but there is no description about data management, will it be necessary to change the mission statement in order to raise the compliance level from 2 to 3?
  - Risk of digitizing levels.
  - Evidence is not just evidence document. What else is there to strengthen the evidence?

# Common features of Japanese disciplinary Repositories



## Japan Research data Repositories' Community

- A Research data repository community has been formed for each research field or for each university, institute.
- We do have no place to discuss the issues commonly held by the data repository except our subcommittee.
- We need to apply to the data repository to the requirements of Open Science implementation plans in Japan.
- We need to communicate various stakeholders beyond disciplines in order to utilize research data to produce new added values.

# What is clarified by our activities

- For the repositories under the research institute established by the laws of the government, it is important to collect **related laws** and **research institution policies** for preparing applications.
- it is helpful to answer the CTS requirement items by summarizing the current status of the repository from the viewpoint of **human resources**, **organization** and **budget** constituting the repository.
- While the previous WDS certification, the WDS community participation is a prerequisite, there is no common recognition as a repository community in CTS certification, so there are differences in the difficulty of applying even if we apply for the same requirement.

# Future plans (Personal opinion)

- More understanding not only **CoreTrustSeal** certificate but also **FAIR** (Findable, Accessible, Interoperable and Reusable) Principles and **GEOSS Data Management Principles**.
- Sharing how to write CoreTrustSeal application form among subcommittee member.
- Increase the number of data repositories that have acquired certification in Japan, and to activate the utilization of research data.

## Conclusion

- We are preparing to apply CTS certification in the near future!!



Join our subcommittee if you are  
interested in subject repositories'  
community