TOWARDS CERTIFICATION OF GFBIO DATA CENTERS

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05/2019
Choosing CTS

11/2019

Demand analysis
and inventory;
Distribution of
example
Requirements





03/2020 Discussion of R0 – R1









10/2020 Discussion R8 –R14 11/2020

Discussion and work on individual aspects of core documents



CHOICE OF CERTIFICATION AUTHORITY

- Four potential data repository certifying options were evaluated: <u>nestor</u>, <u>ISO16363</u>, <u>DINI-Certificate 2016</u> and the <u>CoreTrustSeal</u> (CTS).
- Based on an analysis of certification requirements and community acceptance,
 CoreTrustSeal certification was selected as the most suitable candidate.
- To get CTS certification an adequate documentation at the data centers is sufficient and a physical visit from the CTS Authority is not necessary.
- Prior knowledge and experience of PANGAEA (GFBio partner) about CTS certification was also helpful in addressing the CTS Requirements.
- Due to the different infrastructures of the specific data centers, each goes through the certification process separately.

DEMAND ANALYSIS AND INVENTORY

- The 17 Core Trustworthy Data Repositories Requirements have to be fulfilled.
- All processes regarding data handling and related issues need to be described in detail.
- **Publicly accessible documents** must be available as supporting evidence.
- Documentation and portrayal of the data centers was done in the years before as part of GFBio work and contributed to some of the Requirements.

COLLABORATIVE WORKFLOW

- Although we apply for certification separately, we compiled the documents together.
- Each data center answered 2-3 of the 17 CTS Requirements and shared outcomes among data centers as templates.
- We **jointly discussed the Requirements** and work status and addressed concerns during regular virtual meetings.
- All data centers shared their CTS Requirement texts.
- Work progress (Fig.1) was **tracked in an overview table** within the GFBio Wiki (Fig.2).

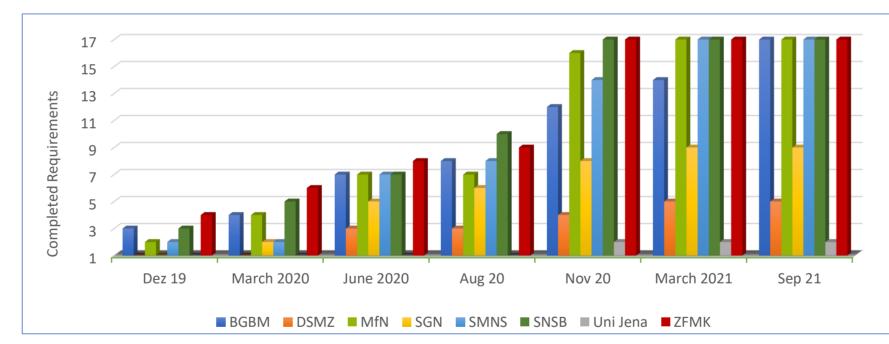


Fig. 1: Progress in fulfilling CTS Requirements

MANDATORY CORE DOCUMENTS

- The certification process revealed that core documents such as Data Policy, Privacy Policy, Terms of Use and a Digital Preservation Plan are mandatory.
- These documents must be openly accessible on the website of the organization and require special care in their wording due to its potential legally binding content.



Fig. 2: Overview table with Responsibilities for Requirements, Progress of work and Important issues (status: September 2021)

SUBMISSION AND REVIEW

- Museum Koenig Bonn and Naturkundemuseum Stuttgart submitted their applications in April and July 2021 respectively.
- Both applications are currently under review.
- Most of the other data centers have finalized their texts of the CTS Requirements, but final approval by the governing bodies of the organizations is pending.
- Internal restructuring measures and the optimization of internal processes delayed more submissions.

The entire certification process helped each data center to optimize processes and implement measures.





















