NFDI4Culture
Consortium for research data on material and immaterial cultural heritage

Consortium Structure, Development and Research Data Management at a glance

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PART I

Structure and Development
COMMUNITIES of INTEREST, PARTICIPANTS and CO-APPLICANTS

COMMUNITIES
- Architecture
- Art History
- Musicology
- Theatre, Film and Media Science

PARTICIPANTS
- Academies
- Archives
- Art Colleges
- Cultural Heritage Institutions
- Individual Researchers
- Galleries
- Learned Societies
- Libraries
- Museums
- Universities

CO-APPLICANTS
- Academy of Sciences Mainz
- Cologne University
- FIZ Karlsruhe
- Heidelberg University
- Marburg University
- Paderborn University
- SLUB Dresden
- SPK Berlin
- TIB Hannover
TIMELINE

2018

Networking and gathering community needs
Networking with academic societies
Community workshops

2019

Concretion of plans
Foundation of NFDI4Culture

Proto-operational phase
Large-scale community survey
Working Paper

Validation
Draft application

Networking on the NFDI level

Memorandum of Understanding

Berlin Declaration

Proposal submission

Workshops on research-driven infrastructures in the humanities
NFDI Forum
NFDI Conference
PARTNERS

- geographically, thematically and institutionally balanced network
- 4 universities
  1 academy
  1 GLAM institution
  3 infrastructure institutions
- 51 participant institutions
  14 societies
- ideally represents the broad spectrum of actors in the cultural heritage domain
PARTICIPATING ACADEMIC SOCIETIES

- 14 academic societies representing NFDI4Culture’s research domains
- consortium was initiated out of its communities by the societies
- societies actively participate in the governance
- consortium is highly embedded in its communities of interest through the societies
INTERNATIONAL NETWORKING

USER LEVEL
International networks of the participating academic societies

SUBJECT LEVEL
UNESCO, Getty, RISM (35 countries), CVMA (17 countries), IAML, PHAROS, ICOM, prometheus, ALLEA, ...

INFRASTRUCTURE LEVEL
ORCID, DataCite, EOSC, Open Knowledge Foundation, Wikimedia, ...
INWARD-OUTWARD COOPERATION in the NFDI

Cross-area cooperations:
MaRDI, NFDI4Ing, NFDI4Neuroscience, Text+

(Co-)Applicants take part in 19 NFDI consortium initiatives

02/18: Position paper of the German Musicological Society
02/18: Position paper of the Union of the German Academies
05/19: NFDI4Culture Working Paper
07/19: Memorandum of Understanding in the Humanities
09/19: Berlin Declaration of NFDI Consortia

OPENNESS

KNOWLEDGE

EXCHANGE
Research Data Management Strategy
RESEARCH DATA on MATERIAL and IMMATERIAL CULTURAL ASSETS

Example 1: http://motionbank.org/de/event/trailer-motion-bank.html
Example 2: https://dme.mozarteum.at/movi/en
Example 3: http://oberwesel.spatialhumanities.de/viewer
Large-scale community survey, collaborative measure planning and validation
TASK AREAS aligned to the RESEARCH DATA LIFE-CYCLE

Basis for the infrastructure:

- data collections with millions of records
- 5 long-term repositories for storing 2D/3D representations
- 51 research software tools
- 35 subject-specific information infrastructures
- 33 existing training offers
- 8 professorships dedicated to teaching RDM in cultural heritage
- 4 DH study programmes
TA1 – DATA CAPTURE and ENRICHMENT of Digital Cultural Assets

Aims

● Regular exchange between producers and users of digital representations
● Ensure uniform quality levels of 2D/3D data capturing
● Environments for automatic / collaborative enrichment of digital representations

Services

● Digitisation – Enrichment – Reuse
● Source analysis & monitoring infrastructure
TA2 – DATA STANDARDS, DATA QUALITY and CURATION

Aims

- Definition, development and application of data standards & criteria for quality assurance
- Authority data & reference vocabulary development
- Guidelines for RDM in the field of non-textual cultural heritage

Services

- FAIR Clearing Agency
- Data rescue

Dr. Barbara Wiermann
Musicology, Library & Information Science
SLUB | Dresden

Dr. Christian Bracht
Art History, Information Infrastructure
UMR | Marburg
**Aims**

- Evaluate & integrate relevant tools and data services
- Further develop & certify research software and APIs
- Convenience operation & provision of tools

**Services**

- Dedicated consulting agency for sustainable software
- Domain-specific registry of tools & data services
- Collaborative development, needs-oriented guidelines
**Aims**

- Repository & publishing solutions for multimodal data types / enhanced data publications
- Reference implementations for digital preservation of data on tangible and intangible cultural assets

**Services**

- Consulting agency for data publication & availability
- Digital preservation services
- Development of long-term operating models

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Dr. Maria Effinger  
Open Access, Information Infrastructure  
UHD | Heidelberg

Dr. Jens Bove  
Art History, Information Infrastructure  
SLUB | Dresden
Aims

- Comprehensive technical infrastructure
- Ensuring FAIR on all levels through Linked Data
- Legally and ethically trustworthy framework of action for users

Services

- Culture Knowledge Graph & Terminology Service
- Culture Information Portal
- Legal Helpdesk & Ethical Advisory Board
- Culture Information Portal as single point of entry
Aims

- Develop subject-specific Data & Code Literacy according to the FAIR4S framework of EOSC
- Provide researchers, lecturers & GLAM employees with easy access to certified training

Services

- Definition of FAIR4S compatible quality criteria
- Build a portfolio of certified training offers
- CRDA Helpdesk
KEY COMPONENTS of the planned INFRASTRUCTURE

Culture Information Portal

- Capture and Enrichment Environments
- Standards
- Tool and Collection Registry
- Multimodal Publications
- Reference Storages 2D/3D/AV
- Legal & Ethical Framework
- Semantic Discovery
- Culture Training Framework

Culture Knowledge Graph
Governance and Workflows
Regular self-evaluation of governance and needs-oriented adaptation of workflows

- Continuous peer-to-peer monitoring and participation through forums
- Established processes for coordinated admission of new participants
- Coordination guaranteed beyond first funding period