

Consortium Progress Report B-1

01. October 2020 – 30. September 2023

NFDI4Culture

Consortium for research data on material and
immaterial cultural heritage



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Note on data, statistics, charts and persistent identifiers in this interim report

All data, statistics, and charts used in this report come from two overarching systems: our internal reporting system and our public Culture Portal, the web-based research information system of the consortium. In line with the FAIR criteria and in the spirit of Open Science, we have published all data, scripts, and charts of this report in anonymised form as reproducible data publication: <https://nfdi4culture.de/id/E5165>.

Every entity associated with NFDI4Culture (services, software, data portals, institutions, individuals, projects, publications, guidelines, etc.) receives a persistent identifier (PID) and corresponding metadata within the framework of our consortium. These NFDI4Culture IDs are used in the report as clickable links, formatted as "PID XYZ". When reading printed versions of the report, we recommend entering these PIDs into the search field of the Culture Portal at <https://nfdi4culture.de/>.

1 General Information

1.1 Name of the consortium

NFDI4Culture – Consortium for research data on material and immaterial cultural heritage

1.2 Research domains or research methods addressed by the consortium

NFDI4Culture establishes a needs-oriented infrastructure for **research data on tangible and intangible cultural assets**, enabling **digital research** and **new insights** based on the creative **collaboration of diverse communities**. They range from architecture, art history, musicology, media studies, and the performing arts, to digital humanities, the creative scene, and cultural heritage (103 Fine Arts, Music, Theatre and Media Studies; 410 Construction Engineering and Architecture). Our research environment is marked by a **significant variance of actors**: from individual scholars, creative workers and citizen scientists to public and private organisations, art schools, higher education institutions, galleries, libraries, archives and museums. Together, we strive for a scientific, technical, and social infrastructure based on **mutual appreciation, innovative methods** and **transfer of data, knowledge, and results** between our communities, the NFDI, cultural policy, cultural economy, and civil society.

1.3 URL of the consortium website and repositories used for publishing output

Service	URL / PID
Culture Information Portal	https://nfdi4culture.de
Culture Data Portals	https://nfdi4culture.de/id/E5125
Culture Knowledge Base	https://nfdi4culture.de/id/E3735
Culture Knowledge Graph	https://nfdi4culture.de/id/E2391
Culture Registry	https://nfdi4culture.de/id/E2392
Culture Repositories	https://nfdi4culture.de/id/E5087
Culture Bibliography	https://nfdi4culture.de/id/E5082
ZENODO Community	https://zenodo.org/communities/nfdi4culture/

2 Summary

Digital data on tangible and intangible cultural assets have become an **essential part of daily life, communication, and individual** as well as **societal experience**. Consequently, they exert a lasting influence on perceptions of **cultural identity** and on **interactions** between **research**, the cultural **economy**, and **society**. Valuable cultural data are generated in **creative and performative contexts**, in both **public and private** settings. **Participatory access** to culture and knowledge, critical analysis, **reflection on societal developments**, and the **preservation of cultural artefacts** are today only possible based on digital data and consequently, have become integral to scientific practice. The profound effects of the Corona pandemic have underscored the relevance of **FAIR access to digital culture** and associated **cultural data**. Irreplaceable losses of millennia-old cultural assets through wars or environmental disasters highlight the importance of **long-term digital preservation** of tangible and intangible cultural heritage. **Prior to 2018** and the NFDI4Culture initiative, **there was no coordinated effort** for professional research data management in the field of material and immaterial cultural heritage on a national level. Today, three years after the launch of NFDI4Culture in 2020, a **stable consortial network with trusted processes and needs-oriented services** has been established. It extends across **more than 100 partners in five European countries** and has **over 300 community members** who collaborate in the consortium.

Together with our partners and communities, we have established a broad spectrum of **cross-institutional services** (<https://nfdi4culture.de/go/services>), ranging from needs-oriented consultancy provided by the **Culture Helpdesk**, to **sustainable storage solutions** for data in **curated repositories**, the comprehensive integration of **data portals**, software tools, and information services in our **Information Portal**, the **Registry for Research Tools and Data Services**, and the **Culture Knowledge Graph**, to **guidelines, reports, link recommendations** and **Open Educational Resources**. Altogether, members of NFDI4Culture have produced **347 outputs** to support researchers, artists, and cultural practitioners at all stages of the research data lifecycle and foster research data management in cultural heritage (<https://nfdi4culture.de/go/outputs>). In a total of **84 participatory events** (<https://nfdi4culture.de/go/events>), ranging from large-scale **community plenaries** and dedicated **user forums**, through workshops and trainings on the application of standards, research tools, and digital methods, to innovative **barcamps and hackathons** with broad **participation from citizen scientists**, we have collaboratively shaped the consortium and its offerings and **incorporated new needs** into the development of our services.

Specialists from NFDI4Culture have addressed **422 enquiries** from **30 disciplines** covering **48 distinct topics** ranging from questions about 2D/3D data capture for monument conservation, data models, and authority data to pressing needs such as copyright issues, data publications, databases, data protection, and archival questions. A total of **164 research projects** have engaged with the consortium and we have issued **46 individualised letters of intent** to project

proposals in **15 research fields**. Together with community members we have compiled illustrative **success stories** which provide testimonials and concrete examples about the consortium's work (<https://nfdi4culture.de/go/success-stories>). Our **Culture Community Reports** describe our yearly progress in detail for all participating communities, our partners from the NFDI, and the interested wider public (Community Report 2021, PID <https://nfdi4culture.de/go/E3782>; Community Report 2022, PID <https://nfdi4culture.de/go/E3790>).

We are **greatly encouraged** by the progress at the overarching NFDI level, particularly valuing its **collaborative, transdisciplinary, and community-led spirit**. We see the NFDI association as a **vital structure** for the future long-term provision of mature services. NFDI4Culture members are active in all **five sections** and participate in all three **governance bodies** of the NFDI Association. We consider **sustainable basic services** tailored to the needs of all NFDI communities as particularly important. With this motivation, we co-initiated the statement of the Consortia Assembly on basic services and subsequently made significant contributions to the successful **Base4NFDI** proposal. Within the NFDI, we have a high number of **transdisciplinary collaborations** ranging from the humanities and social sciences to life sciences, natural sciences, and engineering. Together with **NFDI4Memory, NFDI4Objects** and **Text+**, we have contributed to a framework of **inward-outward cooperation** – one of the key objectives of the NFDI as laid out by the German Council for Scientific Information Infrastructures (RFII) – that previously did not exist in the humanities and cultural studies in Germany.

Nonetheless, we are **only at the beginning** of a process towards **cultural change** in the management of research data. In the coming years, further stakeholders must be **integrated, awareness** of the importance of RDM for **safeguarding digital cultural heritage** must be widely **disseminated**, and the established services of NFDI4Culture must be further **consolidated**. In the coming two years, we will focus on developing **sustainable operating models** for service providers and will also work on **empowering** data producers, data curators and data consumers in close collaboration with the data competence centres funded by BMBF as well as partners from the emerging **Datenraum Kultur** funded by BKM. Internationally, our services will be further integrated into **European research infrastructures**, while continuously **expanding our user base** across communities.

3 Composition of the consortium

3.1 Applicant institution

Name	Location	Duration	Acronym	PID
Akademie der Wissenschaften und der Literatur Mainz <ul style="list-style-type: none"> • Centre for Digital Music Documentation • Corpus Vitrearum Medii Aevi • Digitale Akademie 	Mainz	10/20-09/25	AWLM	E1834

3.2 Spokesperson

Name	Location	Duration	Institution	PID
Prof. Torsten Schrade ORCID: https://orcid.org/0000-0002-0953-2818	Mainz	10/20-09/25	AWLM	E1873

3.3 Co-applicant institutions

Name	Location	Duration	Acronym	PID
FIZ Karlsruhe – Leibniz Institut für Informationsinfrastruktur	Karlsruhe	10/20-09/25	FIZ	E1835
Philipps-Universität Marburg <ul style="list-style-type: none"> • Deutsches Dokumentationszentrum für Kunstgeschichte Bildarchiv Foto Marburg 	Marburg	10/20-09/25	UMR	E1838
Ruprecht-Karls-Universität Heidelberg <ul style="list-style-type: none"> • Universitätsbibliothek Heidelberg • arthistoricum.net - Fachinformationsdienst, Kunst, Fotografie, Design 	Heidelberg	10/20-09/25	UHD	E1840
Sächsische Landesbibliothek – Staats- und Universitätsbibliothek Dresden <ul style="list-style-type: none"> • Arbeitsgemeinschaft kunsthistorischer Bildarchive und Fototheken • arthistoricum.net - Fachinformationsdienst, Kunst, Fotografie, Design • musiconn - Fachinformationsdienst Musikwissenschaft 	Dresden	10/20-09/25	SLUB	E1841
Stiftung Preußischer Kulturbesitz <ul style="list-style-type: none"> • Berliner Phonogramm-Archiv • Deutsche Digitale Bibliothek • Ethnologisches Museum • Institut für Museumsforschung • Rathgen-Forschungslabor • Staatliche Museen zu Berlin • Staatliches Institut für Musikforschung • Staatsbibliothek zu Berlin • ZEDIKUM – Zentrum für digitale Kulturgüter in Museen 	Berlin	10/20-09/25	SPK	E1839

Technische Informationsbibliothek <ul style="list-style-type: none"> FID BAUdigital – Fachinformationsdienst Bauingenieurwesen, Architektur und Urbanistik 	Hannover	10/20-09/25	TIB	E1836
Universität Paderborn <ul style="list-style-type: none"> Kompetenzzentrum für Kulturerbe: materiell-immateriell-digital Zentrum Musik – Edition – Medien 	Paderborn	10/20-09/25	UPB	E2693
Universität zu Köln <ul style="list-style-type: none"> Kölner Datenzentrum für die Geisteswissenschaften prometheus - Das verteilte digitale Bildarchiv für Forschung und Lehre e.V. Theaterwissenschaftliche Sammlung 	Köln	10/20-09/25	UZK	E1842

3.4 Co-spokespersons

Name	TA	Location	Duration	Institution	PID
Prof. Dr. Ina Blümel ORCID: https://orcid.org/0000-0002-0953-2818	TA1	Hannover	10/20-09/25	TIB	E1917
Reinhard Altenhöner ORCID: https://orcid.org/0000-0001-8274-780X	TA1	Berlin	10/20-09/25	SPK/SBB	E1918
Prof. Dr. Barbara Wiermann ORCID: https://orcid.org/0000-0002-0343-1135	TA2	Dresden	10/20-09/25	SLUB	E1919
Dr. Christian Bracht	TA2	Marburg	10/20-09/25	UMR/DDK	E1920
Dr. Lisa Dieckmann ORCID: https://orcid.org/0000-0002-1708-7371	TA3	Köln	10/20-09/25	UZK	E1921
Dipl. Wirt.-Inf. Daniel Röwenstrunk ORCID: https://orcid.org/0000-0001-6271-2095	TA3	Paderborn	10/20-09/25	UPB	E1922
Dr. Maria Effinger ORCID: https://orcid.org/0000-0001-6396-4876	TA4	Heidelberg	10/20-09/25	UHD	E1923
Dr. Jens Bove ORCID: https://orcid.org/0000-0002-6508-428X	TA4	Dresden	10/20-09/25	SLUB	E1924
Prof. Dr. Franziska Boehm	TA5	Karlsruhe	10/20-09/25	FIZ	E1926
Prof. Dr. Harald Sack ORCID: https://orcid.org/0000-0001-7069-9804	TA5	Karlsruhe	10/20-09/25	FIZ	E1925
Prof. Dr. Malte Hagener ORCID: https://orcid.org/0000-0003-4664-5536	TA6	Marburg	10/20-09/25	UMR/IMW	E1927
Prof. Dr. Andreas Münzmay ORCID: https://orcid.org/0000-0002-8373-4055	TA6	Paderborn	10/20-09/25	UPB	E1928

3.5 Participants

Name	Location	Duration	Acronym	PID
Bach-Archiv Leipzig	Leipzig	10/20-09/25	BAL	E1847
Bayerische Akademie der Wissenschaften <ul style="list-style-type: none"> Corpus der barocken Deckenmalerei in Deutschland 	München	10/20-09/25	BADW	E2430
Bayerische Staatsbibliothek <ul style="list-style-type: none"> musiconn - Fachinformationsdienst Musikwissenschaft 	München	10/20-09/25	BSB	E1975
Beethoven-Haus Bonn	Bonn	10/20-09/25	BHB	E1849
Berlin-Brandenburgische Akademie der Wissenschaften <ul style="list-style-type: none"> Bernd Alois Zimmermann-Gesamtausgabe Corpus Vitrearum Medii Aevi 	Berlin	10/20-09/25	BBAW	E2431
Bund Deutscher Architektinnen und Architekten e.V.	Berlin	10/20-09/25	BDA	E1852
Bundesverband Theatersammlungen im deutschsprachigen Raum e.V.	München	10/20-09/25	TheSiD	E1853
Deutsche Nationalbibliothek	Frankfurt a. M.	10/20-09/25	DNB	E1886
Deutscher Museumsbund e.V. <ul style="list-style-type: none"> Fachgruppe Dokumentation 	Berlin	10/20-09/25	DMB	E1971
Deutscher Verband für Kunstgeschichte <ul style="list-style-type: none"> Arbeitskreis Digitale Kunstgeschichte 	Bonn	10/20-09/25	VDK	E1868
Deutsches Museum <ul style="list-style-type: none"> Kulturhistorische Sammlungen der Leibniz Gemeinschaft 	München	10/20-09/25	DM	E3583
digiCULT Verbund e.G.	Kiel	10/20-09/25	digiCult	E1891
Digital Humanities im deutschsprachigen Raum e.V. <ul style="list-style-type: none"> Arbeitsgruppe Digitale Rekonstruktion im DHd Verband 	Trier	10/20-09/25	DHd	E1851
documenta und Museum Fridericianum <ul style="list-style-type: none"> documenta Archiv 	Kassel	05/21-09/25	DMF	E2433
Fraunhofer-Gesellschaft <ul style="list-style-type: none"> Fraunhofer Institut für Graphische Datenverarbeitung 	München	10/20-09/25	FG	E5153
Freie Universität Berlin	Berlin	10/20-09/25	FU	E1988
Friedrich-Alexander-Universität Erlangen-Nürnberg	Erlangen	10/20-09/25	FAU	E1903
Georg-August-Universität Göttingen	Göttingen	10/20-09/25	GAU	E2429

<ul style="list-style-type: none"> Niedersächsische Staats- und Universitätsbibliothek Göttingen 				
Germanisches Nationalmuseum - Leibniz Forschungsmuseum für Kulturgeschichte	Nürnberg	10/20-09/25	GNM	E1905
Gesellschaft für Medienwissenschaft e.V.	Bayreuth	10/20-09/25	GFMe	E1857
Gesellschaft für Musikforschung e.V.	Kassel	10/20-09/25	GFMu	E1858
Gesellschaft für Tanzforschung e.V.	Berlin	10/20-09/25	GTF	E1866
Gesellschaft für Theaterwissenschaft e.V.	Frankfurt a. M.	10/20-09/25	GTW	E1859
Goethe-Universität Frankfurt am Main <ul style="list-style-type: none"> Fachinformationsdienst Darstellende Kunst 	Frankfurt a. M.	10/20-09/25	GU	E2009
Herder-Institut für historische Ostmitteleuropaforschung - Institut der Leibniz-Gemeinschaft	Marburg	10/20-09/25	HI	E1907
Hochschule für Musik, Theater und Medien Hannover <ul style="list-style-type: none"> Europäisches Zentrum für Jüdische Musik 	Hannover	10/20-09/25	HMTMH	E1978
Hochschule Mainz <ul style="list-style-type: none"> Mainzer Zentrum für Digitalität in den Geistes- und Kulturwissenschaften 	Mainz	10/20-09/25	HSM	E1914
Humboldt-Universität zu Berlin <ul style="list-style-type: none"> Hermann von Helmholtz-Zentrum für Kulturtechnik 	Berlin	02/22-09/25	HU	E2846
ICOM Deutschland e.V.	Berlin	10/20-09/25	ICOM	E1996
Interessengemeinschaft für semantische Datenverarbeitung e.V.	München	04/23-09/25	IGSD	E4577
International Association of Music Libraries and Documentation Centres, Deutschland	Frankfurt am Main	10/20-09/25	IAML/DE	E1860
Johannes Gutenberg-Universität Mainz	Mainz	10/20-09/25	JGU	E1985
Leibniz-Institut für Europäische Geschichte	Mainz	06/22-09/25	IEG	E3577
Ludwig-Maximilians-Universität München	München	10/20-09/25	LMU	E1984
Martin-Luther-Universität Halle-Wittenberg	Halle	10/20-09/25	MLU	E2012
Max-Planck Gesellschaft <ul style="list-style-type: none"> Bibliotheca Hertziana Kunsthistorisches Institut in Florenz 	München	10/20-09/25	MPG	E5151
Max Weber Stiftung <ul style="list-style-type: none"> Deutsches Forum für Kunstgeschichte Paris Deutsches Historisches Institut Rom 	Bonn	12/22-09/25	MWS	E1911

Museum für Naturkunde Berlin - Leibniz-Institut für Evolutions- und Biodiversitätsforschung	Berlin	10/20-09/25	MNB	E2016
Répertoire International d'Iconographie Musicale, c/o Bayerische Staatsbibliothek	München	10/20-09/25	RIdIM	E2028
Répertoire International des Sources Musicales International e.V.	Kassel	10/20-09/25	RISM	E2025
Répertoire International des Sources Musicales, Arbeitsgruppe Deutschland e.V.	Dresden	10/20-09/25	RISM/D	E2026
Rheinische Friedrich-Wilhelms-Universität Bonn	Bonn	11/20-09/25	UBO	E2295
Stadt Köln	Köln	10/20-09/25	MSK	E2015
Stiftung Deutsches Rundfunkarchiv	Frankfurt a. M.	10/20-09/25	DRA	E1890
Technische Hochschule Ostwestfalen-Lippe	Lemgo	03/23-09/25	THOWL	E5476
Technische Universität Dresden	Dresden	06/22-09/25	TUD	E3575
Universität der Künste Berlin	Berlin	10/20-09/25	UDK	E2036
Universität Hildesheim <ul style="list-style-type: none"> Center for World Music 	Hildesheim	10/20-09/25	UHI	E1974
Universität Leipzig <ul style="list-style-type: none"> Fachinformationsdienst Medien-, Kommunikations- und Filmwissenschaften Musikinstrumentenmuseum der Universität Leipzig Tanzarchiv Leipzig e.V. 	Leipzig	10/20-09/25	ULP	E1991
Universität Trier	Trier	03/23-09/25	UT	E4579
Vereinigung der Denkmalfachämter in den Ländern e.V.	Wiesbaden	10/20-09/25	VDL	E1869
Zentralinstitut für Kunstgeschichte München	München	10/20-09/25	ZIK	E2039
Zentrum Bundesrepublik Deutschland des Internationalen Theaterinstituts e.V.	Berlin	05/21-09/25	ITI	E1999
Zentrum für Kunst und Medien Karlsruhe	Karlsruhe	10/20-09/25	ZKM	E2043

Participating individuals (Culture Steering Board¹, Culture Advisory Council)

Name	Institution	Location	Duration	PID
Prof. Dr. Christian Czychowski	Nordemann Czychowski & Partner Rechtsanwältinnen und Rechtsanwälte / CAC	Berlin	10/20-09/25	E1949
Dr. Mariama Diagne	Gesellschaft für Tanzforschung / CSB	Berlin	10/20-09/23	E1934

¹ The Community Representatives in the Culture Steering Boards are mandated by the participating academic societies for a term of 2.5 years. The first term of the Culture Steering Board runs until 30.09.2023. A re-mandating of the Community Representatives by their societies is currently underway for the second term of the Steering Board, which lasts until 30.09.2025.

Prof. Dr. Hans van Ess	Ludwig-Maximilians Universität / CAC	München	10/20-09/25	E1955
Paul Tillmann Haas	IAML Deutschland / CSB	Frankfurt	10/20-09/23	E1935
Prof. Dr. Markus Hilgert	Kulturstiftung der Länder / CAC	Berlin	10/20-09/25	E1951
Prof. Dr. Kathrin Kirsch	Gesellschaft für Musikforschung / CSB	Kassel	10/20-09/23	E1936
Prof. Katja Knaus	Bund Deutscher Architektinnen und Architekten / CSB	Berlin	10/20-03/23	E1937
Dominik Leipold, M. Sc., M. A.	Gesellschaft für Musikforschung / CSB	Kassel	10/20-09/23	E1938
Prof. Dr. Alexandra N. Lenz	Austrian Centre for Digital Humanities and Cultural Heritage / CAC	Wien	10/20-09/25	E1952
Prof. Dr. Dr. Antoinette Maget Dominicé	Université de Genève / CAC	Genf	10/20-09/25	E1950
Prof. Dr. Norbert Palz	Rektorenkonferenz der deutschen Kunsthochschulen / RKH	Berlin	10/20-09/23	E1939
Prof. Mara Pinardi	Bund Deutscher Architektinnen und Architekten / CSB	Berlin	03/23-09/25	E3796
Prof. Dr. Bernd Redmann	Rektorenkonferenz der deutschen Musikhochschulen / CSB	Hannover	10/20-09/23	E1940
Prof. Dr. Beate Reifenscheid	ICOM Deutschland / CSB	Berlin	10/20-09/23	E1941
Prof. Dr. Martin Jörg Schäfer	Gesellschaft für Theaterwissenschaft / CSB	Frankfurt	10/20-09/23	E1942
Dr. Georg Schelbert	Deutscher Verband für Kunstgeschichte / CSB	Bonn	10/20-09/23	E1943
Prof. Dr. Dörte Schmidt	Universität der Künste Berlin / CAC	Berlin	10/20-09/25	E1948
Prof. Dr. Christof Schöch	Verband Digital Humanities im deutschsprachigen Raum / CSB	Trier	10/20-09/23	E1944
Dr. Christiane Sibille	ETH Zürich / CAC	Zürich	10/20-09/25	E1953
Prof. Dr. Holger Simon	Deutscher Verband für Kunstgeschichte / CSB	Bonn	10/20-09/23	E1933
Prof. Dr. Wolfgang Sonne	Bund Deutscher Architektinnen und Architekten / CSB	Berlin	03/23-09/25	E3759
Prof. Dr. Sven Stollfuß	Gesellschaft für Medienwissenschaft / CSB	Bayreuth	10/20-09/23	E1945
Prof. Dr. Romuald Tchibozo	University of Abomey-Calavi / CAC	Abomey-Calavi / Benin	10/20-09/25	E1954
Prof. Dr. Anna Tuschling	Gesellschaft für Medienwissenschaft / CSB	Bayreuth	10/20-09/23	E1946
Dr. Thomas Welter	Bund Deutscher Architektinnen und Architekten / CSB	Berlin	10/20-03/23	E2045
Dr. Ulrike Wuttke	Verband Digital Humanities im deutschsprachigen Raum / CSB	Trier	10/20-09/23	E1947