

Overview of Task Areas (as of 25.06.2020)

(Note: This list reflects the current status of the planned measures and tasks and is subject to change.)



Task Area	Measures + Tasks	Co-ordinators (application)
TA1 Data Quality	<p>M1 – Working Group: Caption of data quality practices and requirements</p> <p>T1: Identification and recording of previously practiced forms of quality assurance and documentation of data collection and processing in historically working disciplines as well as requirements and needs of the community for re-use for the different phases of research data management</p> <p>T2: Systematization of community quality requirements</p> <p>T3: Assessment of pre-digital methods and standards for source critique (Quellenkritik) and their implementation into digital data quality quality management measures.</p> <p>T4: Establishment of a directory for previous technical recommendations, guidelines and standards of data processing.</p>	<p>Prof. Dr. Helmuth Trischler (Deutsches Museum)</p> <p>Prof. Dr. Peter Haslinger (Herder Institut Marburg)</p> <p><i>Barbara Fichtl</i> (Herder Institut Marburg)</p> <p><i>Johannes Sauter</i> (Deutsches Museum)</p>
	<p>M2 – Working Group: Analysis of data quality requirements</p> <p>T1: Problem-oriented evaluation of tensions between quality requirements and needs as well as the existing practical, technical, organizational and data law conditions in the community.</p> <p>T2: Systematization of requirement criteria</p> <p>T3: Concretization of the FAIR principles for historically oriented humanities.</p> <p>T4: Problem analysis of graded models of quality criteria for the phases in the research data life cycle (collection, processing (analysis), provision and re-use) using different use cases or research data types.</p>	

	<p>M3 – Expert Group: Development of a data quality measurement system</p> <p>T1: Development of an integrated quality concept for the different phases (collection, processing (analysis), provision and re-use) and research data types. Determination of different modules of quality determination.</p> <p>T2: Development of quality requirements of collection and processing, of data provision and for the re-use of data.</p> <p>T3: Definition of evaluation criteria for the data quality of research data.</p> <p>T4: Implementation of quality levels for the phases of collection, processing (analysis), provision and re-use of data, publication and for prioritised research data types.</p>	
	<p>M4 – Expert Group: Development of recommendations and guidelines</p> <p>T1: Establishing a board to develop guidelines and recommendations for 4Memory and related associations.</p> <p>T2: Development of recommendations and guidelines for the research data management process as well as for the quality of data.</p> <p>T3: Defining quality criteria, data types, metadata formats and general requirements for the selection of data from the common data space; developing criteria for transfer to long-term archiving (beyond 10 years).</p> <p>T4: Connection to interdisciplinary and international quality assurance initiatives.</p>	
	<p>M5 – Competence Network: Development of Data Editorial Framework</p> <p>T1: Development of a network of internal and external editorial departments. Constant exchange and participation with and in working groups for publishing and research data.</p> <p>T2: Creation of prerequisites / work processes for a Data Editorial Framework.</p>	

	<p>T3: Creating an offer for data providers (based on the results of measures 1 to 4). Editing research data as a service.</p> <p>M6 – Competence Network: Implementation of data quality</p> <p>T1: Preparation of guidelines for the first contact with researchers from the historical sciences and the guidance through the research data process.</p> <p>T2: Coordination and communication with data providing institutions for the further development of working tools and quality requirements.</p> <p>T3: Provide an exchange platform for FD Managers and those responsible for data quality at institutions (universities, extramural institutions etc.).</p> <p>T4: Describing the advantages of the developed quality levels (creating incentives – see TA4 Data Literacy and TA5 Data Culture, in particular Best (Research) Data Prize); linking graded forms of reputation to quality levels.</p>	
<p>TA2 Data Connectivity</p>	<p>M1 – Historical Norm Data Registry: Identifying, systematizing and evaluating</p> <p>T1: Identification of overarching and suitable scientific norm data and taxonomies, support of self-organisation processes of individual communities.</p> <p>T2: Define and further develop guidelines and principles for the lemmatization and indexing of research data.</p> <p>T3: Develop graduated models of standards, norm data, classification approaches and controlled vocabularies and describe their theoretical concepts.</p> <p>T4: Provision of a subject specific directory for norm data, taxonomies, controlled vocabularies.</p> <p>T5: Consulting and support of communities in the development of standards data and taxonomies (guidelines, conceptualization).</p> <p>M2 – Interdisciplinary Norm Data Working Group: Scaled integration historical norm data into authority data</p> <p>T1: Analysis and selection of standard data regarding scalable mapping possibilities in the GND, problem</p>	<p>Dr. Katrin Moeller (Historisches Datenzentrum Sachsen-Anhalt)</p> <p>Dr. Silvia Daniel (Bayerische Staatsbibliothek)</p> <p>Arnost Stanzel (Bayerische Staatsbibliothek)</p>

	<p>analysis based on specific use cases (selection of participants).</p> <p>T2: Formulation of generalizable guidelines and principles for the implementation of scaling models and connection to the GND (further development as standard).</p> <p>T3: Conception and establishment of an agency as an interface for the implementation of technical vocabularies in the GND or other reference systems.</p> <p>T4: Creation of persistent norm data sets with scaled reference to GND, designation as subject-specific references. Expansion of the GND with regard to science-specific requirements.</p> <p>T5: Consulting on normative data / taxonomies as well as other subject-specific standards and offers within and outside the NFDI.</p>	
	<p>M3 – Data Curation Expert Group: Data curation and quality measurement (interfaces and tools)</p> <p>T1: Conception and planning of guidelines and requirements of data curation. Selection of tools for data curation from databases with quality-assured original and standard data.</p> <p>T2: Evaluation of tools in terms of measuring the quality of data content, summary of experience and possible guiding criteria.</p> <p>T3: Formulate findings for the certification of tools for data curation and quality measurement and, if necessary, implement them together with TA 1 and 3.</p> <p>T4: Conception of automatable approaches for the implementation of normative data in historical and original language research data, support and evaluation (preparation for implementation in phase II).</p> <p>T5: Conception for the implementation of standard data in different data types (text, structured data, audiovisual data etc.), describing challenges (preparation for implementations in phase II).</p> <p>T6: Define requirements for the usability of tools and interfaces in institutional transfer and provide them for TA 3, securing persistent systems for data linkage.</p>	

	<p>T7: Conception of interfaces for the integration of different standard data systems and research data concepts (in partnership with TA 3).</p>	
	<p>M4 – Expert Metadata Group: Developing Standards for the Homogeneous Description of Research Data in 4Memory-Relevant Repositories</p> <p>T1: Evaluate existing cataloguing standards and their use of norm data applied by Archives, Libraries and Museums with view of the description of research data</p> <p>T2: Adopt existing and develop new rules for the community-wide description of research data of historically engaged disciplines and describe them in a toolkit</p> <p>T3: Develop workflows for the handling of research data description in disciplinary research data repositories, library catalogues, archival and museum collections</p> <p>T4: Integrate research data in bibliographic information systems</p>	
	<p>M5 – Metadata Competence Unit: Interoperable Data Linkage for the Data Space</p> <p>T1: Develop a 4Memory ontology to aggregate research data in the 4Memory data space.</p> <p>T2: Develop a 4Memory metadata schema for the description of research data published in the data space</p> <p>T3: Handle multilingualism of research data</p> <p>T4: Specify recommendations for the application of canonical URIs for the exact addressing of granular research data</p>	
	<p>M6 – Technical Expert Group: Application Programming Interfaces (API) for an Interoperable Data Space</p> <p>T1: Evaluate and recommend APIs to data producers/research data projects to provide access for researchers to the data space</p> <p>T2: Evaluate and recommend APIs for the technical interoperability of the data space to provide access for other data infrastructures</p>	

	<p>T3: Evaluate and recommend viewer options for different types of research data</p>	
<p>TA3 Data Services</p>	<p>M1 – Working Group of Service Providers - Functional Optimisation of key 4Memory services</p> <p>T1: Identify key services</p> <p>T2: Enhance key services on a functional level</p> <p>T3: Enhance key services on a technical and organisational level</p>	<p>Daniel Fähle, Andreas Neuburger (LaBW)</p> <p>Matthias Razum, (FIZ Karlsruhe)</p>
	<p>M2 – Expert Group: Implementation of a 4Memory Knowledge Graph</p> <p>T1: Develop a 4Memory ontology</p> <p>T2: Establish technical foundation</p> <p>T3: Design and implement technical interfaces (API)</p> <p>T4: Populate the 4Memory Knowledge Graph</p> <p>T5: Provide RDF dumps</p>	
	<p>M3 – Working Group of Service Providers: Creation of a “Data Space” for research data</p> <p>T1: Adapt selected key services to the 4Memory standards</p> <p>T2: Develop an aggregated search service</p> <p>T3: Provide services for long-term archiving of research data</p>	
	<p>M4 – Technical Counselling Service: Interoperability and Reusability of Data</p> <p>T1: Identify consultation needs</p> <p>T2: Provide information materials</p> <p>T3: Networking</p>	
	<p>M5 – Expert Group: Design and development of a virtual indexing layer</p> <p>T1: Collect and analyse requirements</p> <p>T2: Conceptualise quality criteria and tools for their specification and display</p>	

	<p>T3: Develop a system architecture in close relation to the 4Memory Knowledge Graph</p> <p>T4: Validate the implementation concept</p>	
TA4 Data Literacy	<p>M1 – Data Literacy Competence Network for Historical Scholarship</p> <p>T1: Coordinating the analysis of current situations and needs as well as the necessary community measures (information, dissemination of results)</p> <p>T2: Identifying and systematizing specific DL competences for historical research and developing a DL competence profile for historical research</p> <p>T3: Establishing a virtual knowledge hub for DL-services</p> <p>T4: Establishing a sustainable quality-management system to monitor and evaluate DL-related measures and tasks and to steer their continuous development</p> <p>T5: Integrating the 4Memory competence network and DL offers in the NFDI's DL structures</p> <p>T6: Transferring the competence network into a permanent organizational structure for DL in historical scholarship</p> <hr/> <p>M2 – Multidisciplinary Forum: Data Literacy and Historical Propaedeutics</p> <p>T1: Identifying, collecting, evaluating and publishing training courses and training materials</p> <p>T2: Evaluating didactic methods and approaches for teaching Data Literacy and developing target specific curricula and training material</p> <p>T3: Establishing quality criteria for DL training and DL training material and developing a DL training catalogue</p> <p>T4: Developing and disseminating didactic and content recommendations</p>	<p>Prof. Dr. Ursula Lehmkuhl (Universität Trier)</p> <p>Prof. Dr. Stefan Schmunk (Hochschule Darmstadt)</p>

	<p>T5: Establishing virtual spaces offering lifelong learning opportunities</p> <p>T6: Initiating and steering political advocacy with teacher training institutions, secondary schools, and state ministries and developing DL training materials and courses as a service.</p>	
	<p>M3 – Expert Group: Digital Historical Source Criticism and Data Selection</p> <p>T1: Developing a concept of how to apply the method of internal and external source criticism to digitized and digital sources; adapting textbooks and teaching materials</p> <p>T2: Developing training material and tutorials for the interdisciplinary application of concepts developed in measure 2</p> <p>T3: Implementing training courses in digital historical source criticism and data selection for all disciplines; evaluating training seminars, tutorials and courses</p> <p>T4: Developing area-specific guidelines for digital sources from non-European environments</p> <p>T5: Developing DL source criticism as a service</p>	
	<p>M4 – Consultation Services: Digital Tools, Instruments, and Digital Research Techniques for Historical Research</p> <p>T1: Connecting people working on digital tools</p> <p>T2: Establishing a coordination and training centre that “trains the trainers” for regional contact offices offering peer-to-peer consultation</p> <p>T3: Establishing local or regional consultation centers (peer-to-peer consultation) to train possible users</p> <p>T4: Establishing a virtual hub for training courses and training material and with information about local and regional contact offices</p> <p>T5: Piloting DL consulting as a service</p>	

<p>TA5 Data Culture</p>	<p>M1 – Preparatory and accompanying research: consolidating and expanding our understanding of digital methods and their impact on historically oriented disciplines and their professional culture</p> <p>T1: Development and management of an expert network on the effects of digital change on historically oriented humanities</p> <p>T2: Survey of the current use of research data and digital methods in the historically oriented disciplines and monitoring and analysis of exemplary projects</p> <p>T3: Evaluation of current methodological developments in the Digital Humanities and assessment of their potential relevance for historically oriented disciplines</p> <p>T4: Analysis of the effects of data structures and the digital integration of different fields of knowledge on the disciplinary framework of scholarship, its methods and the method-bound standard setting in the field</p> <p>T5: Joint book publication of an introduction to digital methods and the possibilities of using research data in the historically oriented disciplines</p>	<p>Prof. Dr. Eva Schlotheuber (Düsseldorf, VHD);</p> <p>Prof. Dr. Rüdiger Hohls; Prof. Dr. Torsten Hiltmann (Humboldt Universität zu Berlin)</p>
	<p>M2 – Communicative measures: promoting a discourse on the benefits of the use and reuse of research data and digital methods within the community</p> <p>T1: Extension of the current communication platforms within the community to inform, discuss and enable a dynamic exchange of information on digital methods and best practices in data-driven research in historically oriented disciplines</p> <p>T2: Establishment of an open-access 4Memory Working-Papers series for the publication, discussion and provision of white papers, standards, etc. within the community</p> <p>T3: Organisation of sessions and panel discussions on digital change, new digital approaches and the virtues of research data at conventions and other subject-specific gatherings of the disciplines and communities concerned</p>	

	<p>T4:Development and implementation of a road show to raise practical awareness of data-driven research and the use and reuse of research data within the community</p> <p>T5: Establishment of a regular 4-Memory-Atelier to enable GLAM institutions, memorial sites and academic research to engage in a joint discussion about the common challenges in the field of a data-driven engagement with the past</p>	
	<p>M3 – Structure-building measures: strengthening and integrating the use and reuse of research data within the professional culture of historically oriented disciplines</p> <p>T1: Establishment and support of a young researchers' network across the historically oriented disciplines</p> <p>T2: Establishment and allocation of “Best-Data” and “Best Data-Reuse” prizes for young researchers</p> <p>T3: Organisation of a regular method-oriented hackathon on the research data provided by the consortium</p> <p>T4: Establishment of an interdisciplinary summer school integrating GLAM institutions and academic research as a forum for joint learning, negotiation of requirements and networking</p> <p>T5: Setting up an expert group to discuss the requirements for new forms of presentation and publication for data-driven research and to promote their integration into university examination regulations, the publication system, etc.</p>	
	<p>M4 – Multidisciplinary-Forum: Ethical, legal and authorship issues in the use and reuse of research data and digital methods as a basis for the elaboration of a data culture in the narrow sense</p> <p>T1: Conducting a needs analysis of legal, ethical and authorship issues specific to historical scholarship</p>	

	<p>T2: Establishment of an expert group on legal and ethical questions in close collaboration with the other NFDI consortia</p> <p>T3: Creation of an expert group on authorship and citation issues in the historically oriented disciplines in close collaboration with other NFDI consortia</p> <p>T4: Coordination of community forums for the elaboration of specific guidelines for the historically oriented disciplines and their publication</p> <p>T5: Contributing to an international exchange between the historically oriented disciplines on these issues and to the coordination of their participation in European and international initiatives (such as RDA, EOSC)</p>	
	<p>M5 – Expert Working Group: Incorporating quality management of research data and data-based publications in the historical discipline through the transformation of (peer) review and evaluation procedures</p> <p>T1: Development of criteria for the critical (peer) review and evaluation of digital resources and methods</p> <p>T2: Requirements analysis for editorial structures, competences, technical features, review formats and incentive systems to expand the existing reviewing system by procedures for reviewing digital resources and publications</p> <p>T3: Implementation, testing and improvement of successful data review and evaluation procedures for digital resources and publications in the central community-driven review platform H-Soz-Kult as a testing environment</p> <p>T4: Definition and dissemination of best practices for sustainable linking between digital publications, data publication and corresponding reviews within a digitally enhanced review systems</p> <p>T5: Dissemination of quality requirements for research data and data-based research</p>	

<p>TA6 Steering and Coordination</p>	<p>M1 – Steering Committee</p> <p>T1: Implementing the Governance structure</p> <p>T2: Strategic planning (Strategic Development Fund)</p> <p>T3: Active admission process for initiatives, projects and institutions (on- and off-boarding procedures)</p> <p>T4: Community engagement incl. partners / academic & professional associations / societies</p> <p>T5: Internal monitoring of governance structures and improvement of 4Memory policy processes</p> <p>T6: Developing, implementing and supervising Code of Conduct</p> <p>T7: Equal opportunity measures</p>	<p>Prof. Dr. Johannes Paulmann; PD Dr. John Carter Wood (Leibniz-Institut für Europäische Geschichte, Mainz)</p>
	<p>M2 – Communications Office</p> <p>T1: Internal Communication steering Task-Areas</p> <p>T2: External Communication incl. Social Media</p> <p>T3: Coordination & Editorial Support “4Memory-Portal”</p> <p>T4: Establishing Editorial Board for 4Memory publications</p> <p>T5: Establishing communication infrastructure / Issue Tracker & Documentation of communication</p>	
	<p>M3 – Academic Office (Cross-cutting-topics)</p> <p>T1: Point of contact (internal and external)</p> <p>T2: Coordinating of Task-Areas</p> <p>T3: Supervising Cross-Cutting-Topics</p> <p>T4: Evaluation and Quality Assurance</p> <p>T5: Relationship Management with other NFDI consortia (eg. Cross-Cutting-Topics)</p> <p>T6: Internationalisation</p>	
	<p>M4 – Administration and Coordination Office</p>	

	<p>T1: General Management</p> <p>T2: Financial Management and Controlling</p> <p>T3: Project Management (Reporting)</p> <p>T4: Day-to-Day-operations</p> <p>T5: Legal Issues & Contract Management</p>	
	<p>M5 – Technical Coordination Office</p> <p>T1: Supervising documentation of technical components</p> <p>T2: Maintaining technical interoperability (components & infrastructure) among task areas</p> <p>T3: Coordinating technical cross-cutting topics among task areas</p> <p>T4: Evaluating and Integrating external technical components (as part of an onboarding-process)</p> <p>T5: Networking / interaction beyond NFDI national / international (eg. RDA, de-RSE, EOSC etc.)</p>	