## Supporting Researchers in Creating Data Management Plans

## Domain Data Protocols for Educational Research in Germany

- partners: 12 institutions, most of them directly involved in educational research
- funding: German Federal Ministry of Education and Research (grant agreement number: 16QK01)
- project duration: 01.06.2019 31.05.2022
- building up on the idea of Science Europe (2018) to develop "generally agreed-upon guidelines, or predefined written procedural methods ... a 'model DMP' for a given domain or community that shares common methods"



 aim: support researchers in creating Open Data following the FAIR Data Principles to increase transparency in research

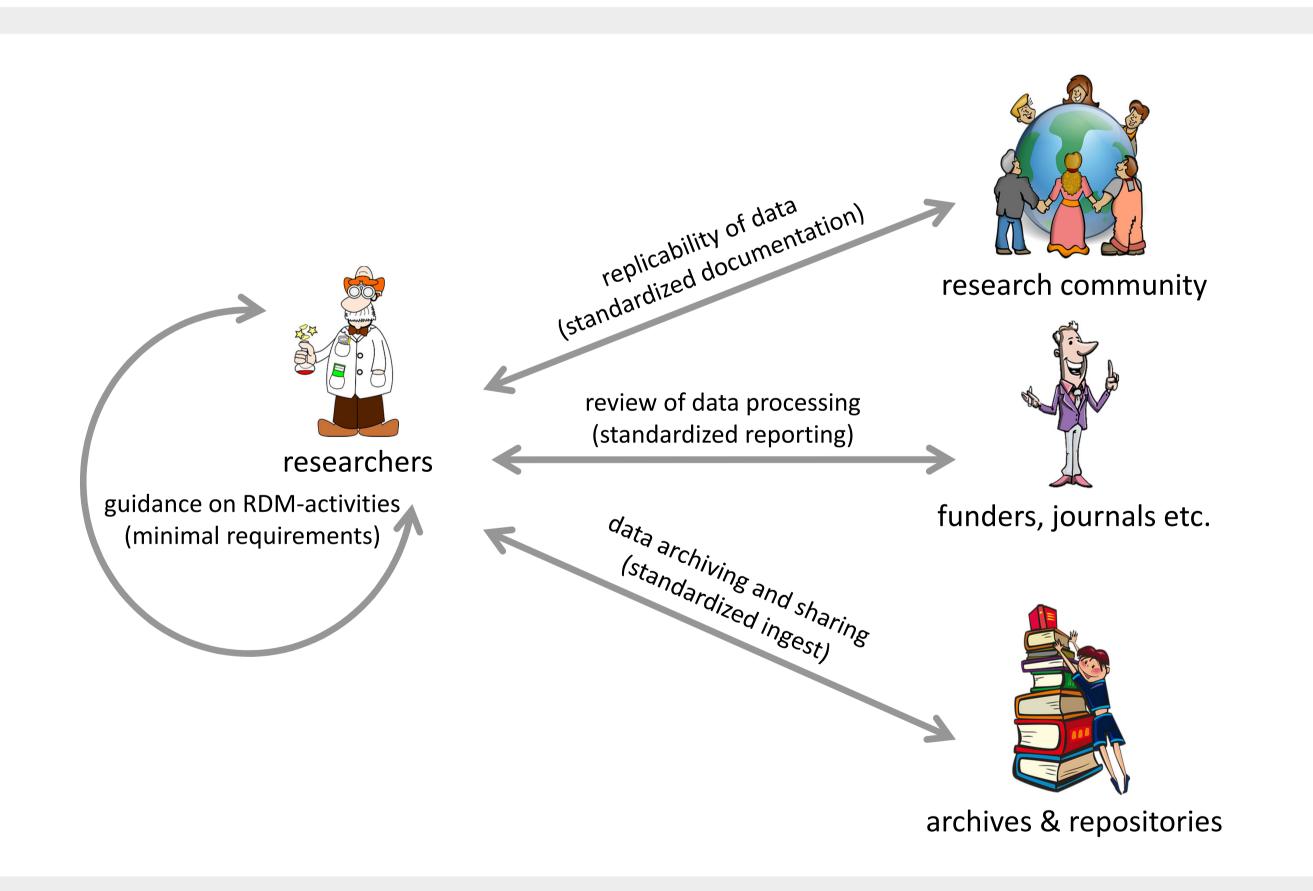
	Trustworthy	Repositories		
<u>Minimal Requirements</u>	<u>Use Case</u>		<u>Standards</u>	
minimal standards of research data management (RDM)	examples on how to implement RDM-activities		to implement RDM-activities	
RDM-activities	showcase of RDM-activities		RDM-standards	
<ul> <li>purposes of activities</li> <li>result(s) of activities</li> </ul>	information on how to implement RDM-activities in researchers' project		best practice-guidelines etc.	
	Rules & Regulations relevant to implement		<u>Resources</u> ementing	
	RDM-activities, e.g.		ctivities	
data protect	data protection regulations			
intellectual	intellectual property rights		port	
requirements of funders, journals		<ul><li>(online) tools</li><li>training</li></ul>		
etc.		etc.		
	FAIR Data	Principles		

## **Elements of Domain Data Protocols**

- defining a minimum set of requirements on what FAIR data should look like
- providing additional explanations (use cases), standards, guidelines, regulations and further resources to do so
- embedded in the FAIR Data Principles and the opportunity to archive such data in a trustworthy repository

## Benefits of Domain Data Protocols

- assisting researchers in doing excellent research data management
- enabling replicability of data and findings/results
- simplifying review processes (funders, journals etc.)
- supporting long-term data preservation and data sharing (data ingest)



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Concept of Domain Data Protocols (DDP)

defining minimal requirements



The Project's Approach

*How to Cite:* 

- (on what FAIR data should look like)
- RDM-activities to create data following the FAIR Data Principles
- Implementing DDPs in Online Tools
- implementing DDPs in Research Data
   Management Organizer (RDMO)
- promoting the use of DDPs in educational research

Developing Data-Specific Elements for

- cross-section data
- longitudinal studies
- performance tests
- multi-actor studies and third party data
- computer-based data collection
- stratified sampling
- external data gathering
- transcripts
- audio and video data

- develop minimum set of requirements
- adopt specific needs according to data types and methods
- gather relevant standards, regulations and further resources
- implement Domain Data Protocols in Research Data Management Organizer
- involve the educational research community in the development of Domain Data Protocols to foster implementation and usage

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