DDP BILDUNG

Domain Data Protocols
for Educational Research

Stamp

Standardized Data Management Plan for Educational Research

Simon Eckert, 8th June 2022

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Introduction

Increasing relevance of RDM

- Research funders
- Journals and research community



Increasing demand for RDM-Tools

- RDM still quite challenging for researchers



Standardized Data Management Plan (Stamp)

The collaborative project

- 12 partner institutes
- funded by the German Federal Ministry of Education and Research (BMBF)
- project duration:
  01.06.2019 – 31.05.2022

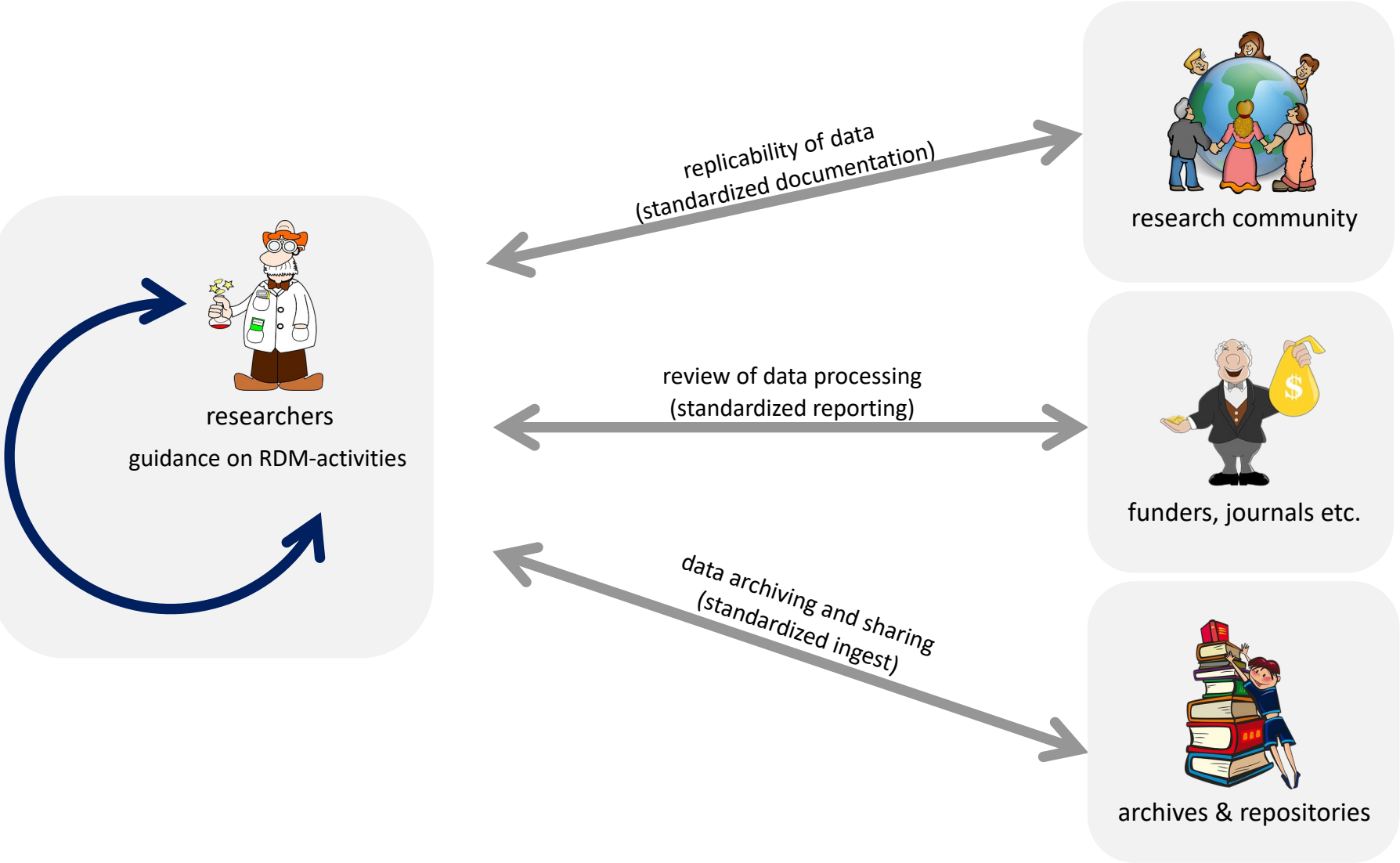


- German Institute for Adult Education, Leibniz Center for Lifelong Learning (DIE)
- German Institute for Economic Research (DIW) / Socio-Economic Panel Study (SOEP)
- German Youth Institute (DJI)
- German Center for Higher Education Research and Science Studies (DZHW)
- GESIS – Leibniz Institute for the Social Sciences
- Institute for Educational Quality Improvement (IQB)
- Leibniz Institute for Astrophysics Potsdam (AIP)
- Leibniz Institute for Research and Information in Education (DIPF)
- Leibniz Institute for Educational Trajectories (LIfBi)
- Leibniz Institute for Psychology (ZPID)
- Qualiservice, University of Bremen
- Center for Teacher Training and Education Research (ZeLB), University of Potsdam

Images: https://pixabay.com. CC-0.

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The Project‘s Aim



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The Concept of Domain Data Protocols (DDPs)

„DDPs are defined as generally agreed-upon guidelines, or predefined written procedural methods. One might also conceive a DDP as a ‘model DMP’ for a given domain or community that shares common methods”
(Science Europe 2018: 9)

DDP as a standardized model DMP

- for a given domain
- certain type of data
- particular research objects

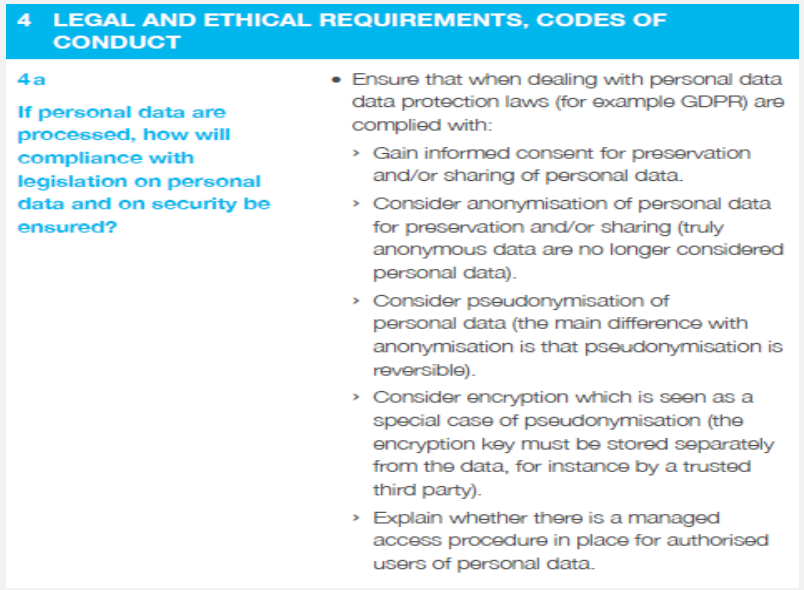


Science Europe (2018): *Science Europe Guidance. Document Presenting a Framework for Discipline-specific Research Data Management.* D/2018/13.324/1.

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DMP or Stamp?

DMP



4 LEGAL AND ETHICAL REQUIREMENTS, CODES OF CONDUCT

4 a

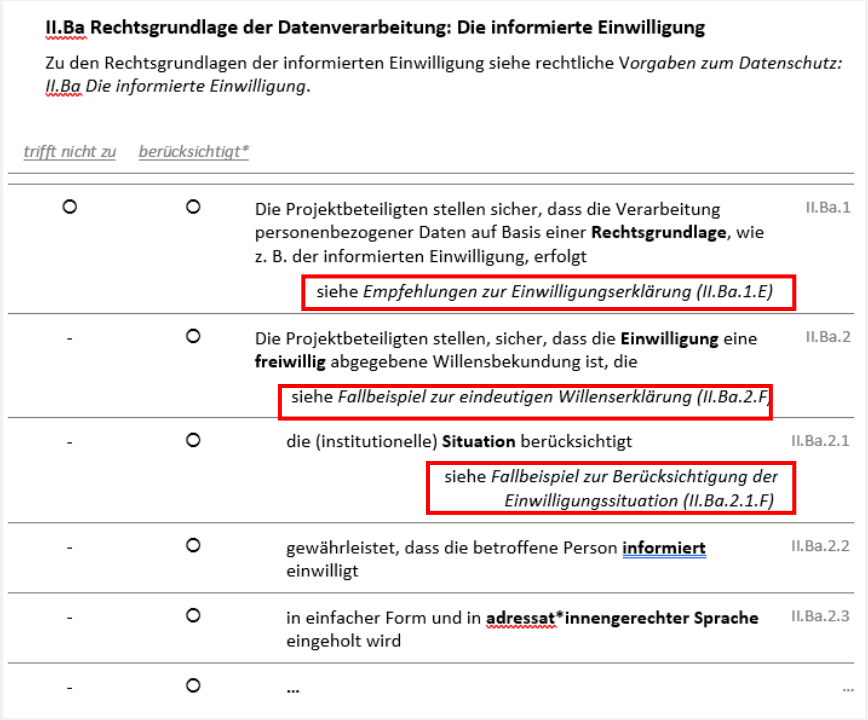
If personal data are processed, how will compliance with legislation on personal data and on security be ensured?

- Ensure that when dealing with personal data data protection laws (for example GDPR) are complied with:
  - Gain informed consent for preservation and/or sharing of personal data.
  - Consider anonymisation of personal data for preservation and/or sharing (truly anonymous data are no longer considered personal data).
  - Consider pseudonymisation of personal data (the main difference with anonymisation is that pseudonymisation is reversible).
  - Consider encryption which is seen as a special case of pseudonymisation (the encryption key must be stored separately from the data, for instance by a trusted third party).
  - Explain whether there is a managed access procedure in place for authorised users of personal data.

Science Europe (2021): Practical Guide to the International Alignment of Research Data Management. Extended Edition. DOI:10.5281/zenodo.4915861

- structured around a set of questions e.g. on legal issues
  - data protection
  - research ethics
- researchers must find answers on their own

Stamp



II.Ba Rechtsgrundlage der Datenverarbeitung: Die informierte Einwilligung

Zu den Rechtsgrundlagen der informierten Einwilligung siehe rechtliche *Vorgaben zum Datenschutz: II.Ba Die informierte Einwilligung.*

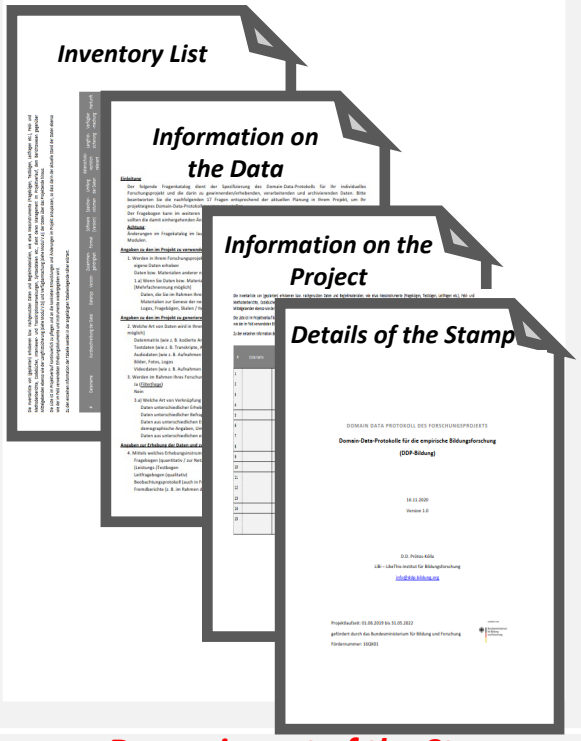
trifft nicht zu	*berücksichtigt**		
○	○	Die Projektbeteiligten stellen sicher, dass die Verarbeitung personenbezogener Daten auf Basis einer **Rechtsgrundlage**, wie z. B. der informierten Einwilligung, erfolgt siehe *Empfehlungen zur Einwilligungserklärung (II.Ba.1.E)*	II.Ba.1
-	○	Die Projektbeteiligten stellen, sicher, dass die **Einwilligung** eine **freiwillig** abgegebene Willensbekundung ist, die siehe *Fallbeispiel zur eindeutigen Willenserklärung (II.Ba.2.F)*	II.Ba.2
-	○	die (institutionelle) **Situation** berücksichtigt siehe *Fallbeispiel zur Berücksichtigung der Einwilligungssituation (II.Ba.2.1.F)*	II.Ba.2.1
-	○	gewährleistet, dass die betroffene Person **informiert** einwilligt	II.Ba.2.2
-	○	in einfacher Form und in **adressat*innengerechter Sprache** eingeholt wird	II.Ba.2.3
-	○	...	...

- checklists on how to implement recommended measures
- further assistance on implementation and realization (recommendations and use cases)

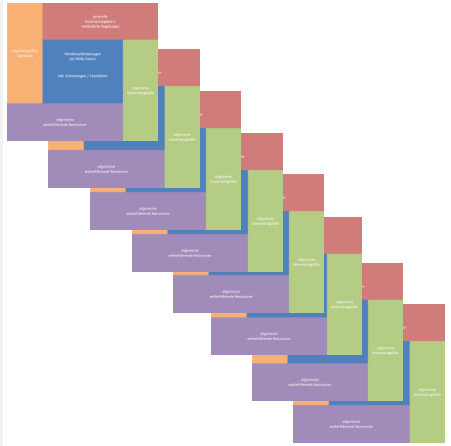
Structure of a Stamp

Stamp - Introduction

Basic Modul



8 Stamp - Modules



I. Research Ethics
II. Data Protection
III. Copyright Law
IV. Data Organization
V. Transparency (of Data)
VI. Data Sharing
VII. Long-Term Preservation
VIII. Responsibilities and Resources

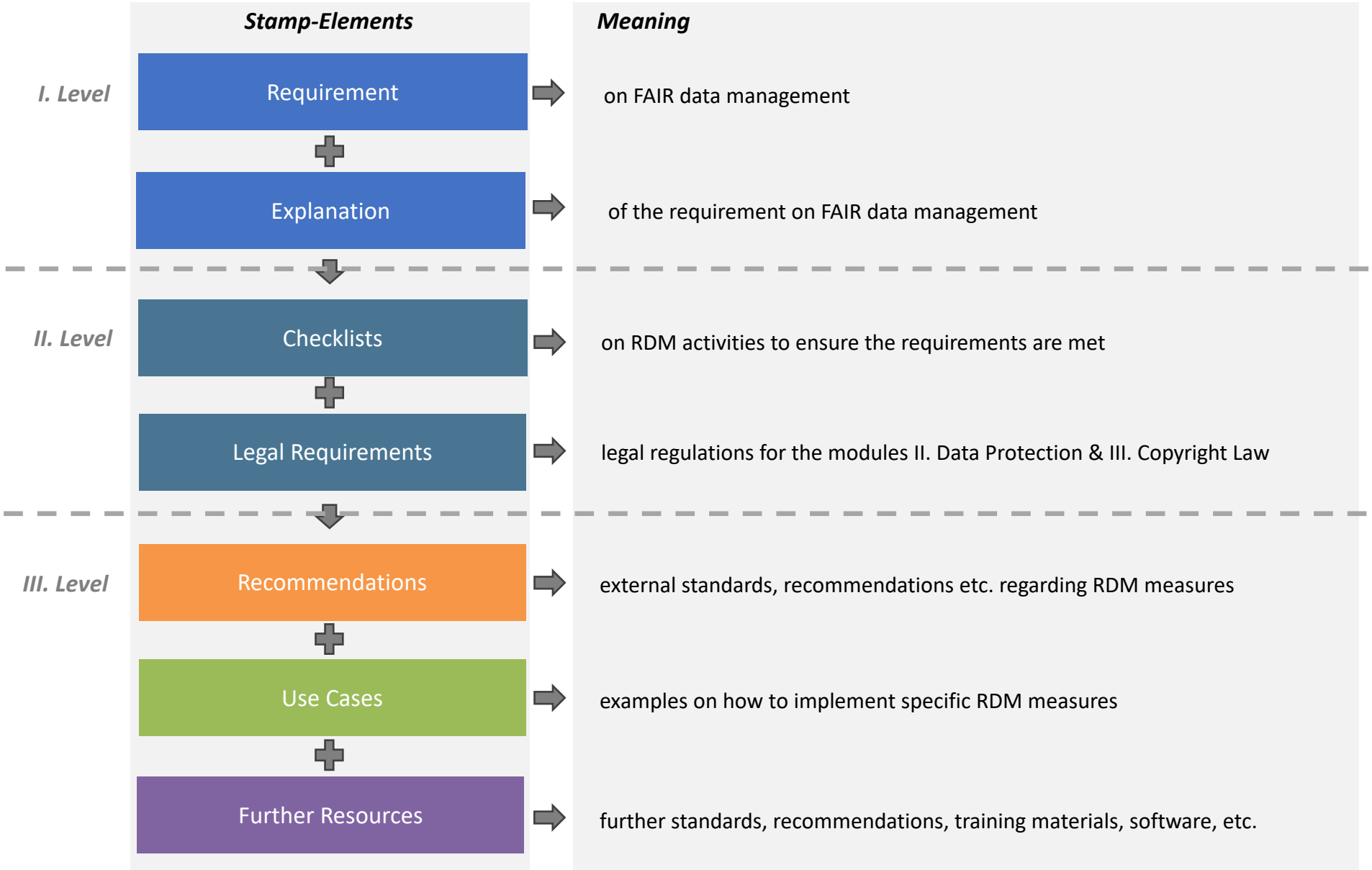
Dynamic part of the Stamp

Static part of the Stamp

Stamp - Glossary

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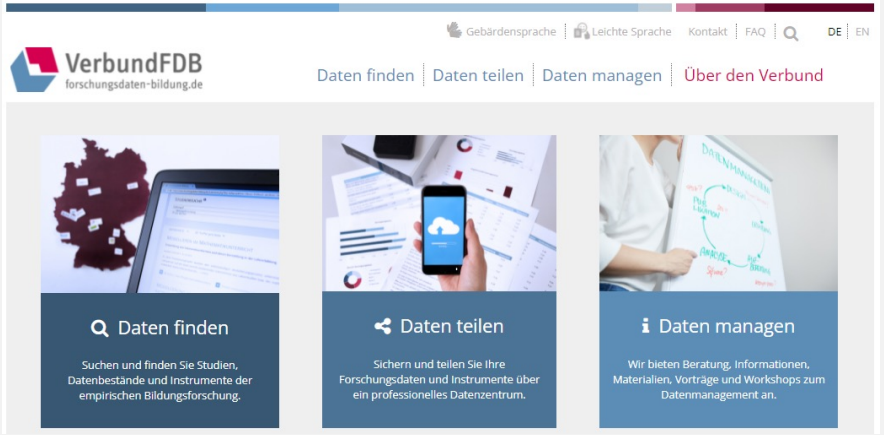
Structure of a Stamp-Module



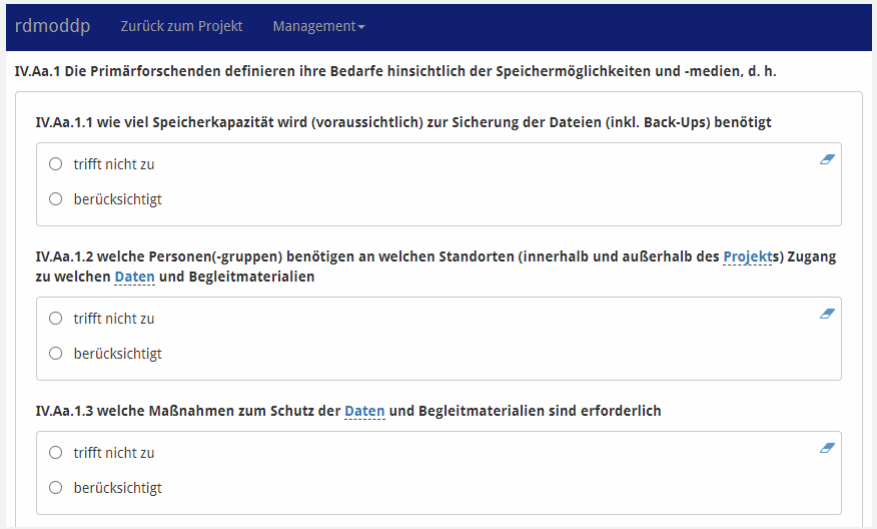
Outlook/Access

Stamp operated by the VerbundFDB

- Maintenance and further development
- Offline version (PDF) of the checklists
- Requirements, Explanations, Recommendations, Use Cases and Glossary



- Online version of the Stamp via RDMO
- Also accessible through GitHub for further development



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for Educational Research

Thank you for your attention!

Website:

https://ddp-bildung.org

E-Mail:

ddp-bildung@gesis.org

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