

Supporting Data Management in Psychology

Project DataWiz

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Aims

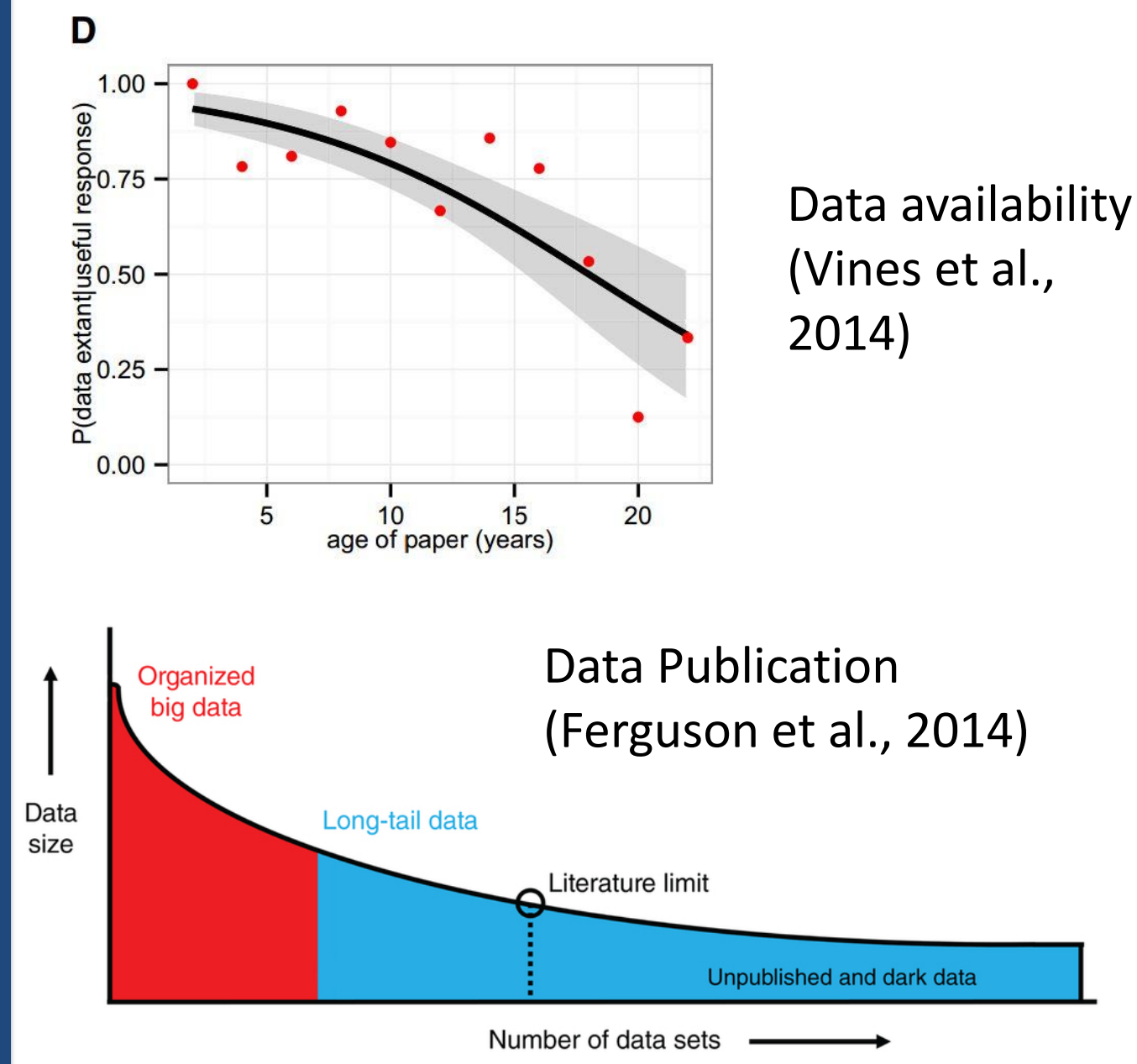
This project aims to develop the semiautomatic data management assistant **DataWiz**.

Strategic goals are

- establishing domain-adequate research data management in psychology
- storing research data sustainably
- providing incentives to share data

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Background



Across disciplines...

- Data sharing is not the norm, especially in the long-tail of science.
- Data underlying publications are often not available.

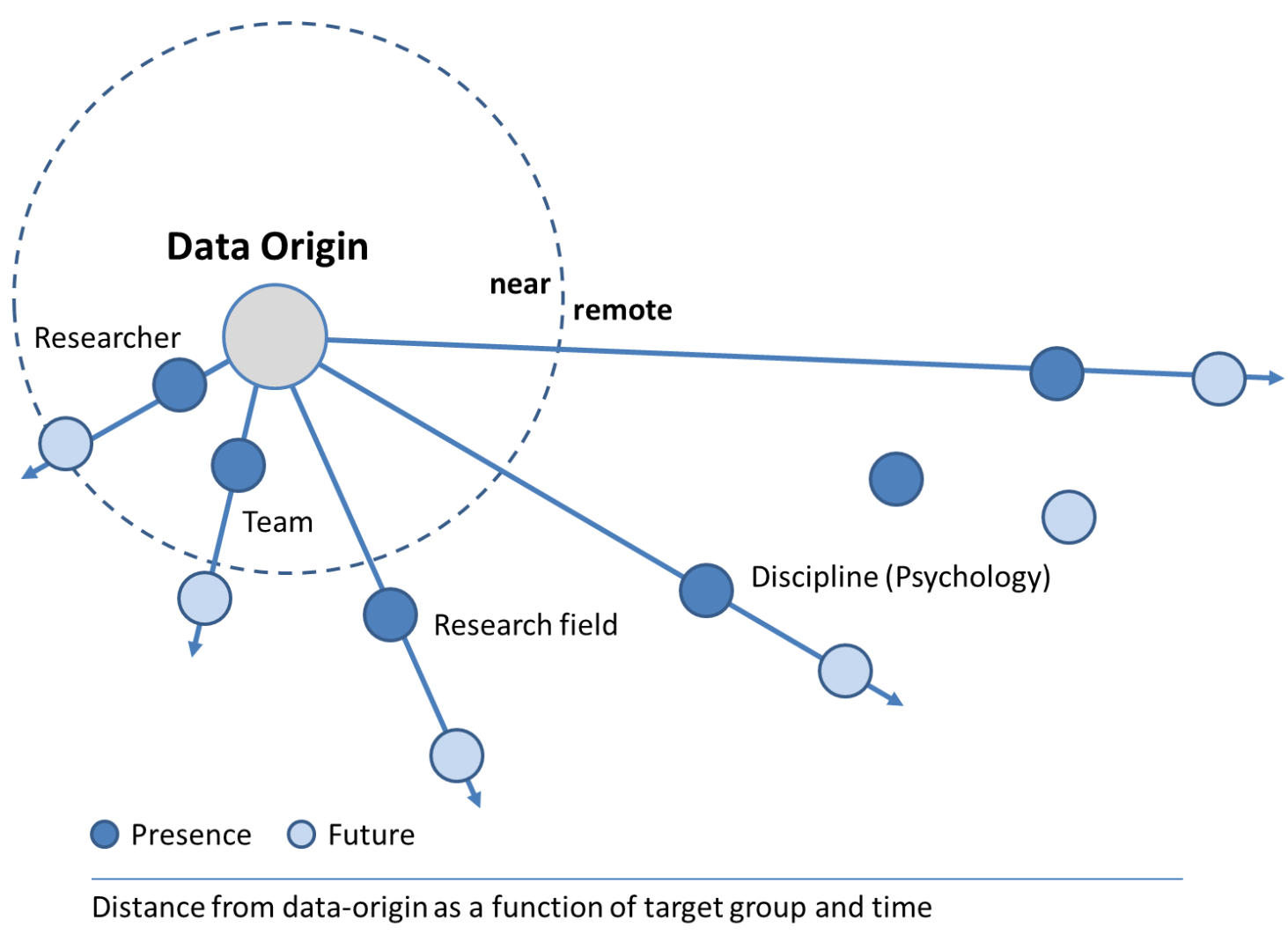
Funding agencies want to preserve research data and to establish data sharing as the new norm.
→ Potential for data driven science

Interconnecting Data Across Disciplines

In order to exploit this potential, data shareability and data discoverability needs to be supported. Physically preserving data is not enough.

Data management involves unresolved problems:

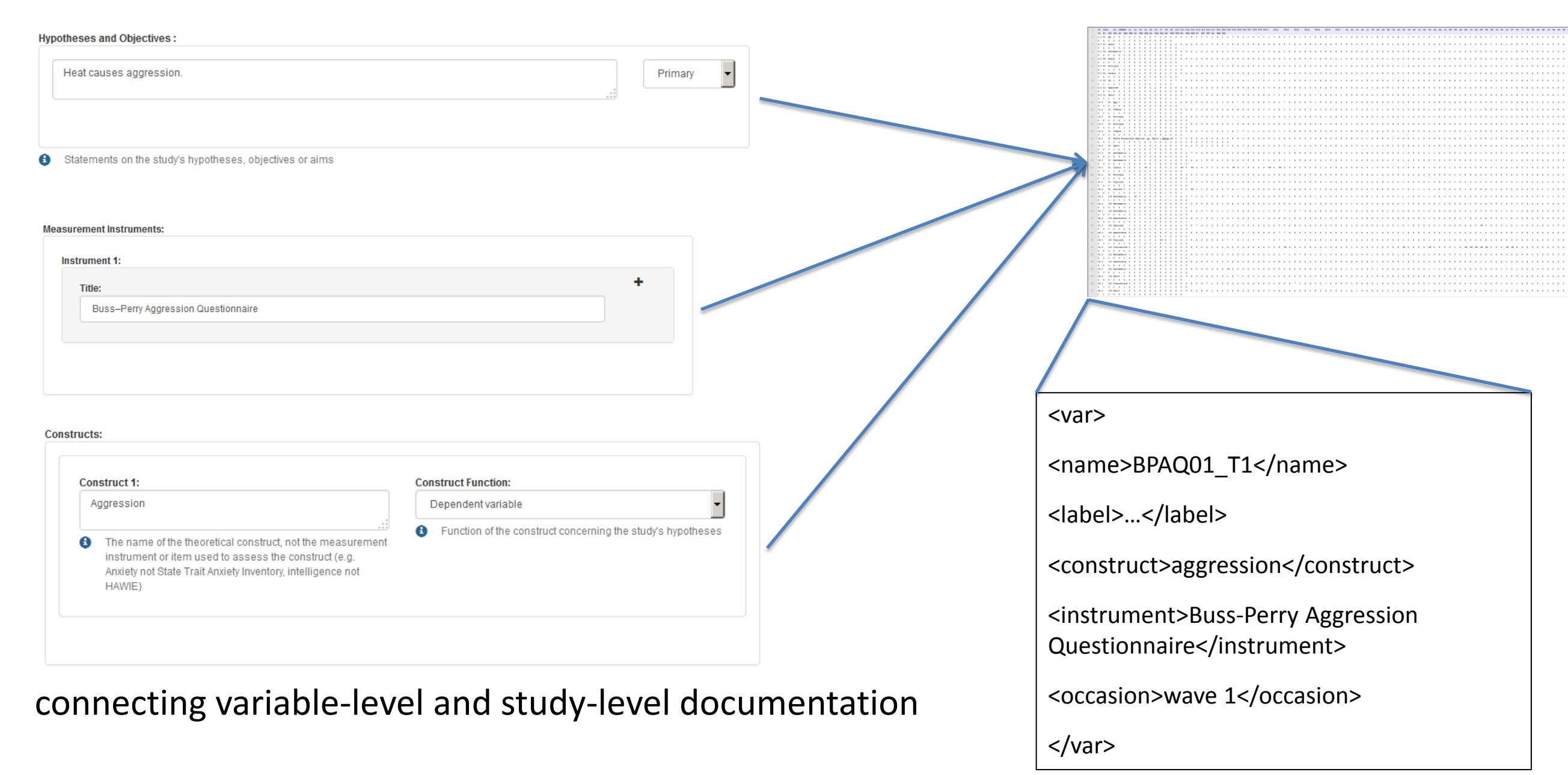
- legal aspects
- reporting structures
- formats
- metadata standards



We need tools that help researchers to communicate their data by

- providing domain-adequate **documentation** and **information**
- making data **interdisciplinary interpretable**

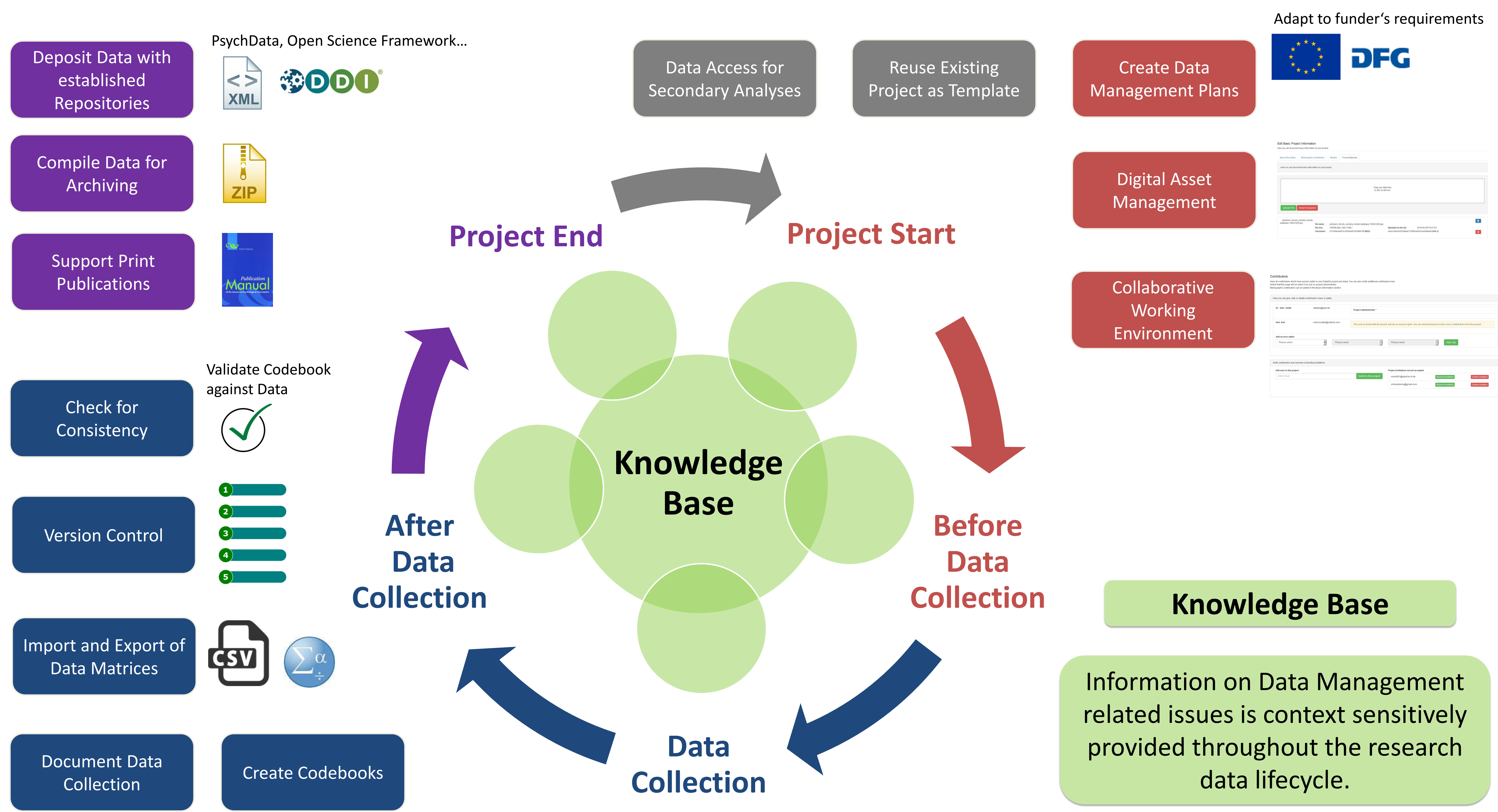
Solutions



DataWiz

- combines variable-level and study-level documentation
- standardizes formats and metadata (mapping to DDI)
- can be adapted by other disciplines

DataWiz in a Nutshell



References:
Ferguson, A.R., Nielson, J.L., Cragin, M.H., Bandrowski, A.E., Martone, M.E. (2014). Big data from small data: data-sharing in the 'long tail' of neuroscience. *Nature Neuroscience*, 17(11):1442-7.
Vines, T. H., Albert, A. Y. K., Andrew, R. L., Débarre, F., Bock, D. G., Franklin, M. T., ... Rennison, D. J. (2014). The availability of research data declines rapidly with article age. *Current Biology*, 24(1), 94–97.