RDA's 19th Plenary 2022



Enhancing PID services towards a more fine-grained granularity level as a base for a FAIR data infrastructure

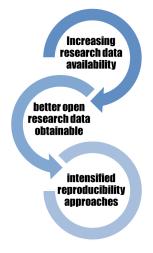
Janete Saldanha Bach 🕞 Claus-Peter Klas 🕞 Peter Mutschke 🕞

Why PIDs

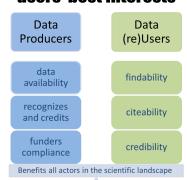
Persistent Identifiers (PIDs) are a core element of FAIR data infrastructures;

- Increasing research data availability intensifies reproducibility re-use and approaches;
- Assigning a PID to a whole dataset is not enough to unambiguously data citation;
- PID benefits data producers and data re(users) making research data easier to find and cite:
- Individual elements of the data files can be referenced and retrieved with the required metadata for machine-actionable human access.

Social Sciences' research data availability



Data producers' and data users' best interests



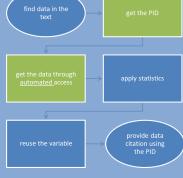
The hurdles of current data citation practice in the **Social Sciences**

Process of accessing a variable without PID





Process of accessing a variable with a PID



Architecture mockup of the PID registration service

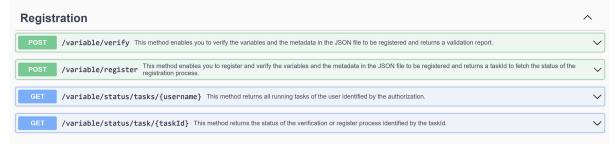
- The is a da|ra service widening and assigns a PID with Handle standard (ePIC);
- The service will be upgraded to handle PIDs on variable level;
- PID is registered with the relevant metadata standards; An automated way to register PIDs as a bulk is available.

The infrastructure delivers:

- PID suggestion;
- landing page;
- original survey DOI, and metadata schema.

The variable registry process:

- validates the metadata;
- confirms the registered PID;
- stores the metadata.

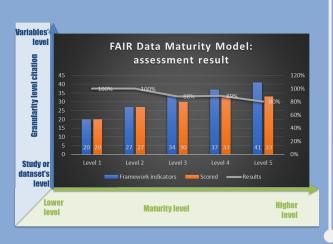






Data citation practices can perform to a higher maturity level

FAIR Data Maturity Model



- - 100% at level 1

The service is part of KonsortSWD project deliverable, NFDI funding number 442494171







