

FAIR Digital Object Ecosystem Testbed: Facilitating FAIR Digital Object usage

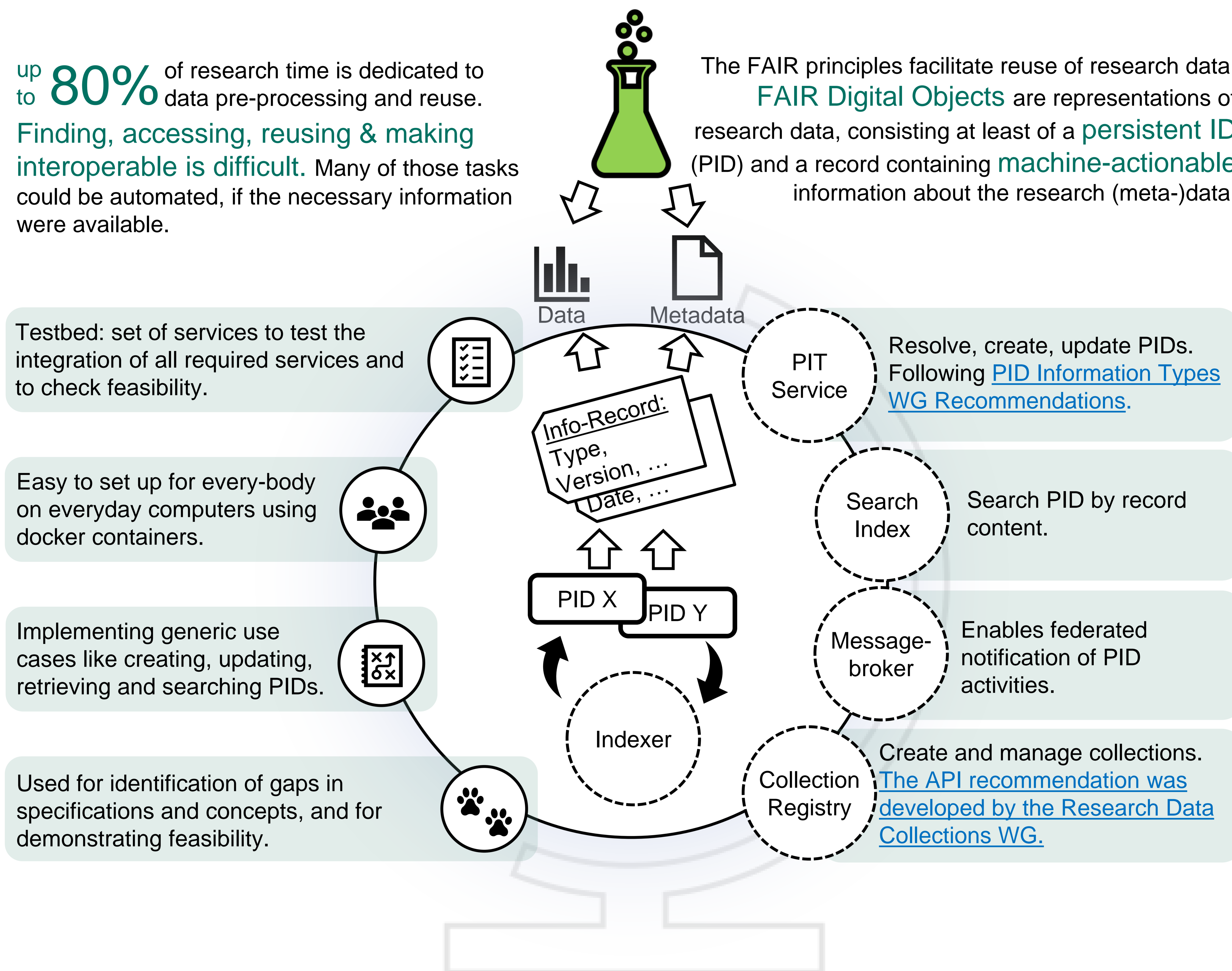
An ecosystem for integration testing and demonstrating FAIR Digital Object handling.

Andreas Pfeil, Thomas Jejkal, Sabine Chelbi, Rainer Stotzka

up to **80%** of research time is dedicated to data pre-processing and reuse. **Finding, accessing, reusing & making interoperable is difficult.** Many of those tasks could be automated, if the necessary information were available.

The FAIR principles facilitate reuse of research data.

FAIR Digital Objects are representations of research data, consisting at least of a **persistent ID (PID)** and a record containing **machine-actionable** information about the research (meta-)data.



Identified gaps under examination:

- Unspecified types:
How to improve machine-actionability?
- Rules for (generic) profiles:
Known structure vs flexibility
- Flexible communication:
Notifications about updates and indexing



The testbed is in constant development. **We are inviting you to try it out and give feedback!** For example via e-mail or Github:

Download the testbed now.
<https://github.com/kat-data-manager/testbed4inf>

Contact:
Andreas Pfeil (andreas.pfeil@kit.edu)