



Importance of PIDs in the context of the EOSC implementation challenge

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**Taking EOSC
into the future**

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Agenda

- PID landscape (in EOSC) and context
 - SRIA, PID Policy, PID Architecture
- Highlighted challenges
 - different PID types, different infrastructures, projects
- “You are not alone”



PID landscape (in EOSC) and context

Standards , tools , services allow researchers to find, access , reuse and combine results

Set priority activities and outcomes group by different implementation levels (European, National, Institutional)

Sustainable and federated infrastructures enable open sharing of scientific results

Technical Challenges



Implementation Challenges



SRIA highlights priorities

implementation challenges

identifying new resource types

implement [EOSC] PID policy

Identifiers

Interoperability, Metadata

some promoted by (active) projects (RAiDs, RAI, PIDINST, SW...)
inventory or list?

'generic' resolver, 'compliance' framework, ensure QoS for PIDs



Different Types of Persistent Identifiers

For People / Researchers



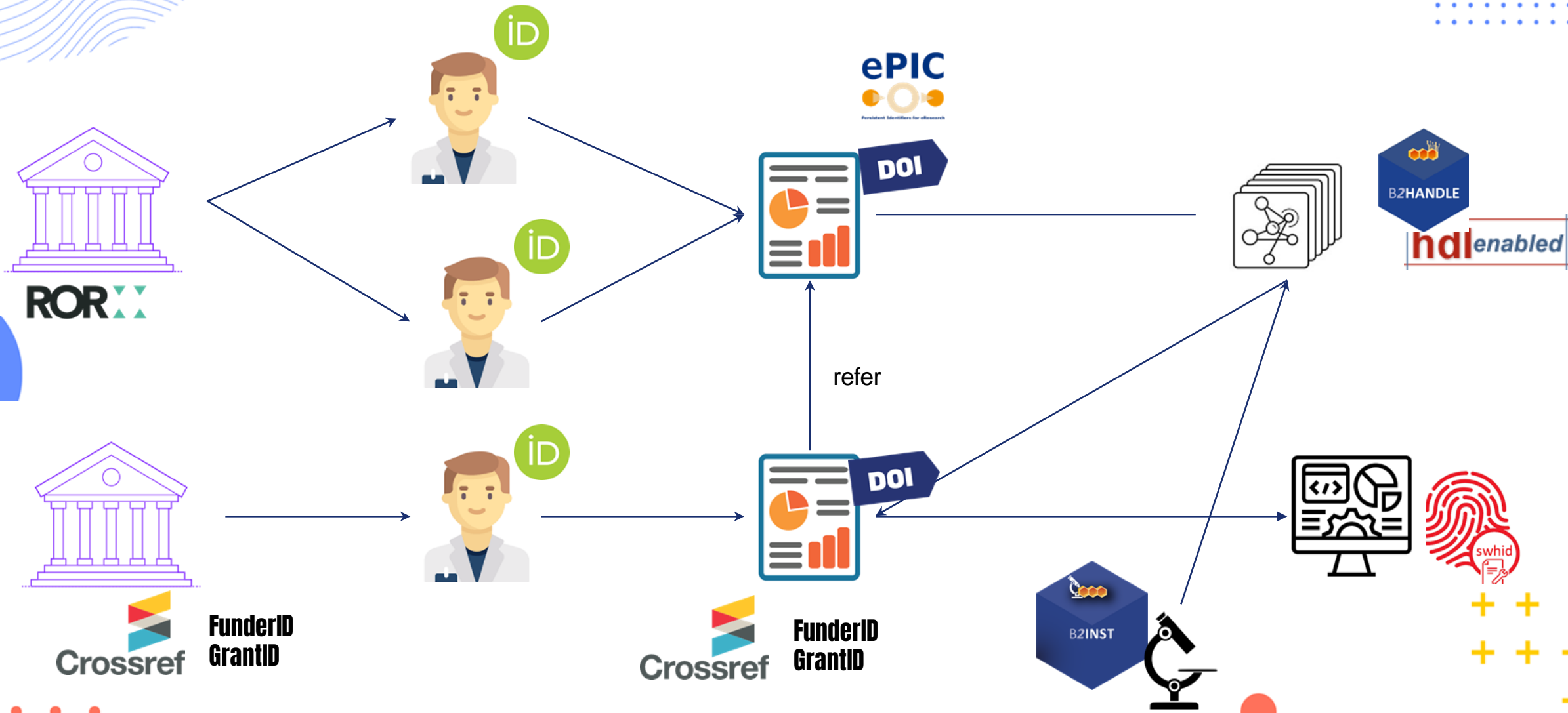
For Places / Organizations



For things (datasets, publications)



Bring everything together



PID Meta Resolver

Issue: multitude of systems used to create and maintain PIDs.

Challenge:

- to know which system is responsible for the resolution process
- the process that provides the referenced metadata for a PID.

Meta Resolver is an interface and integrates different systems.

- knows where to route different types of identifiers
- improves machine based data processing
- allows getting digital object information without in-depth knowledge of the resolution mechanism of different PID systems.

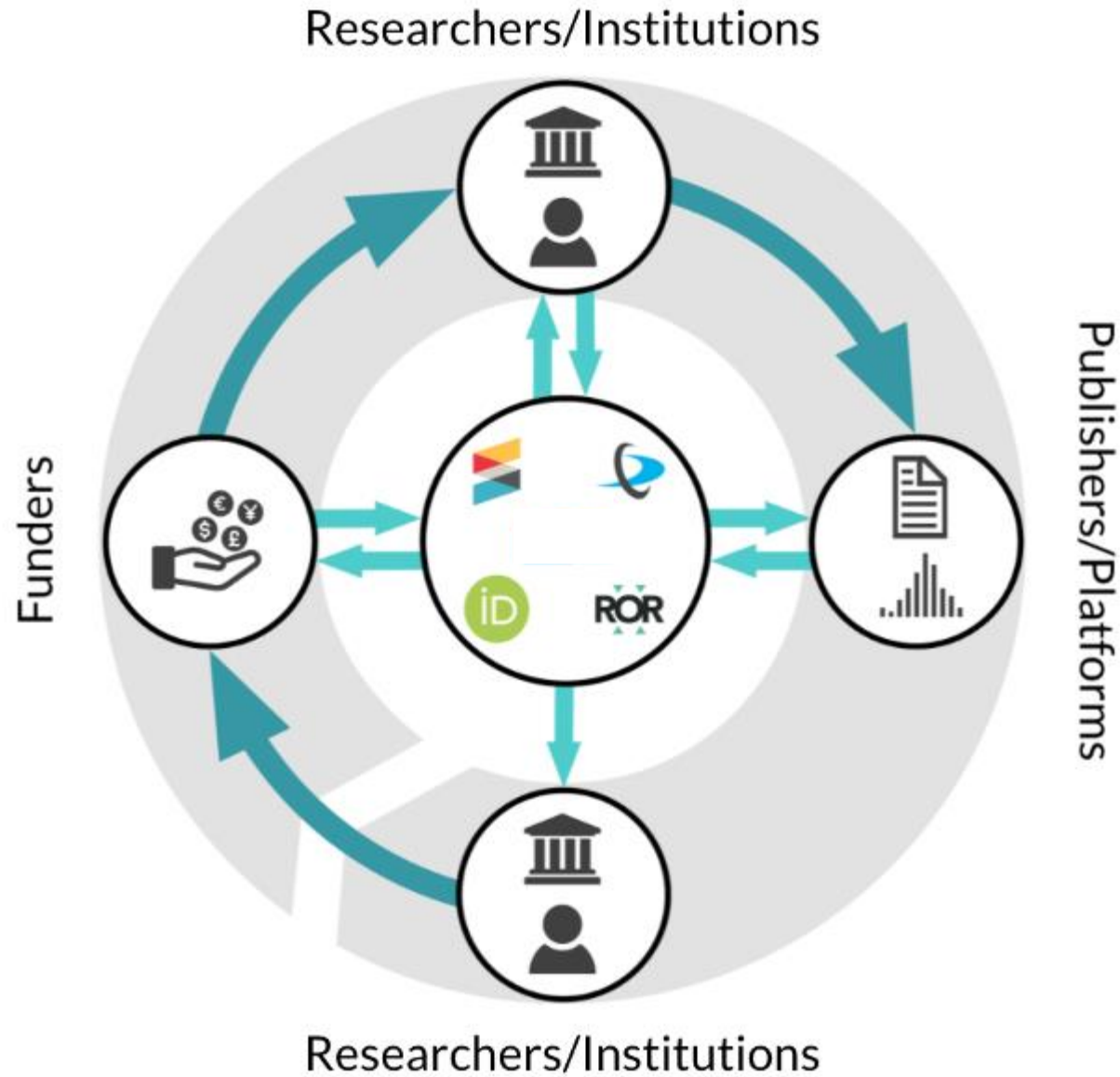
Need:

a uniform interface that allows PIDs from different systems to be resolved (“one place to resolve PIDs”)

- Handle [Handle.net](#)
- DOI [[DOI](#)]
- ORCID [[ORCID](#)]
- SWHID [[SoftWare Heritage](#)]
- URN:NBN [[URN:NBN](#)]
- RoR [[ROR](#)]
- ZbMatch
- RAID [[RAID](#)]

When “to PID”?

The Research Lifecycle based on PIDs is one in which persistent identifiers are registered, used, and shared at all points.



In this PID ecosystem

Organizations

Projects

National policies/initiatives

Forums / Groups

