



# Persistent identifiers are a key enabler for data services

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For the THOR Consortium

# THOR Project

- Establish seamless integration between articles, data, and researchers across the research lifecycle
- Make persistent identifier use for people and research artefacts *the default*
- Ensure every European researcher, at any phase of her career, at any institution has seamless free access to persistent identifiers for her research artefacts and these are uniquely attributed to her
- Embrace the technical and human sides
- Runs 2.5 years from June 2015
- Effort in research, implementation/services, community training and support
- Build on established tools, services, practices – THOR enhances and connects
- Community driven
  - Development and support
  - Early adopters in: Earth & Environmental Sciences, Humanities, Life Sciences, Physics



ORCID

EMBL-EBI



# Technical

- Identifier interoperability throughout e-Infrastructures
    - Authors, contributors, organisations
    - Data, non traditional objects
    - Articles, papers
    - Funders, affiliations, projects, ...
  - Integrate PIDs into data publishing workflows and support data citation
  - Facilitate data discoverability and access
  - Deliver through partner services and APIs
  - Enable an eco-system of services
- Early activities
    - New DataCite UI makes it easier to find, access and cite data
    - ORCID integration simplifies search and claiming data
    - Links to related resources (from DataCite metadata and Data-Level Metrics Pilot)
    - Prototype metrics dashboard to observe global PID developments
    - Report on artefact, contributor, and organisation relationships in ORCID and DataCite metadata schema (available on Zenodo)

# Human

- Foster global adoption
  - Of persistent identifiers
  - Of workflows based on PIDs that incentivize Open Science
- Engage with key communities
  - Researchers
  - Libraries, publishers, data centers,
  - Funders, universities
- Ambassador network
  - Help others enjoy the full power of persistent identifiers
  - Benefit from the expertise of a widespread network
  - Shape the way that THOR sees the landscape and new services

# Collaborations

- Projects
  - EPIC
  - EUDAT
  - OpenAire ...
- Infrastructures
  - Elixir
  - Clarin
  - Dariah ...
- Partners have deep community and collaborative connections
- Companies and service providers
  - CrossRef
  - Commercial and Open Access Publishers
  - Data centres
  - Libraries and information service providers ...
- Standards
  - ISNI
  - DOI ..

# Main challenges/opportunities

- **Establishing interoperability** – across PID systems to support federated attribution, claiming, publishing and direct data access
- **Integrating services** – mint/capture contributor, artefact, and organisation PIDs within e-Infrastructures, data management practices, and repository/publisher submission workflows. Enable linking, attribution, claiming and citation of contributors and artefacts.
- **Building capacity** – by developing stakeholder **networks** across research communities, libraries, data centres, publishers and research funders