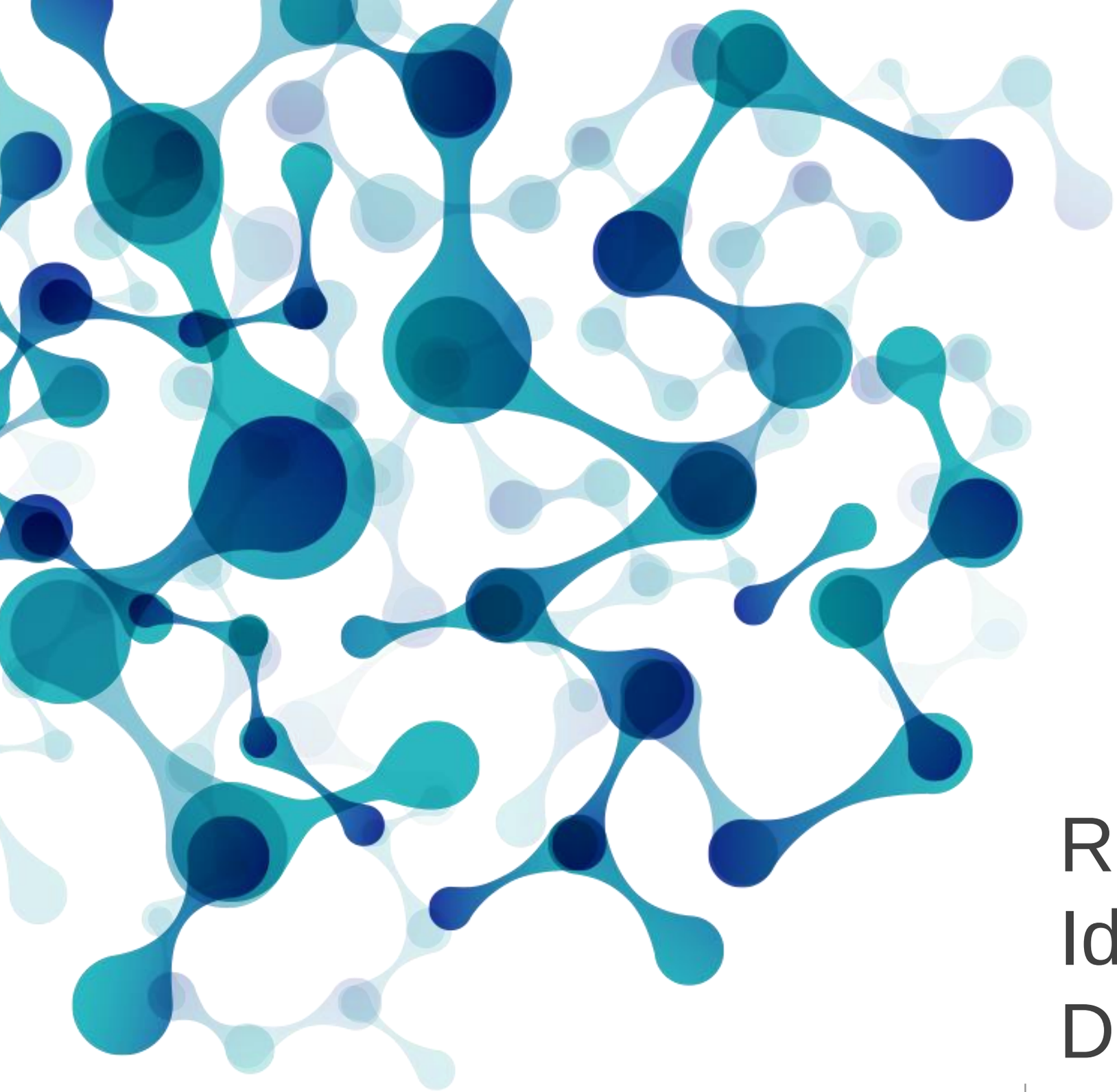

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HTTP://PROJECT-THOR.EU

Roles for Persistent Identifiers in Digitally Enabled Historical Research

Adam Farquhar, British Library

THOR is funded by the European Commission under call H2020-EINFRA-2014-2, project number 654039

Technical and Human infrastructure for Open Research

Our goal is to ensure that every researcher, at any phase of their career, or at any institution, will have seamless access to Persistent Identifiers (PIDs) for their research artefacts and their work will be uniquely attributed to them

THOR

- Make persistent identifiers the new normal
- Integrate PIDs into services researchers already use
- Ensure PIDs are embedded in research outputs
- Provide seamless integration among articles, data, and researchers

- Focus areas
  - Biological and Medical Sciences
  - Environmental and Earth Sciences
  - Physical Sciences
  - Humanities and Social Sciences
- Funded under Horizon 2020
  - June 2015 – Nov 2017
  - 3.5m Euro

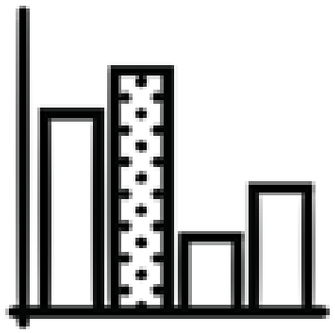
THOR partners

Historical context

	• Robust eco-system • Embedded services
FREYA	• Interoperable infrastructure
THOR	• Sustainable services • Interlinking, integration
ODIN	• Roadmap • Early interoperable services
ODE	• Exploring
	• Early regional practice

Persistent identifiers: a key infrastructure for research

- A name not an address
- Globally unique
- Globally resolvable
- Bound to core metadata
- Interlinkable
- Interoperable
- Professionally managed
- Backed with organisational commitment
- Designed to last beyond the lifetime of any system or (most) organisation



(Adapted from ODIN: http://doi.org/10.6084/M9.FIGSHARE.824314)

Connected scholarship

Researchers & Contributors

Organisations

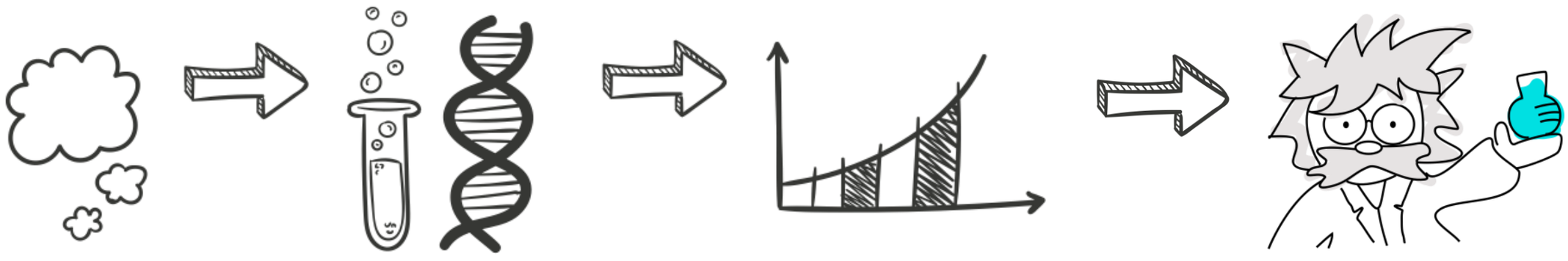
Funding Agencies

Datasets

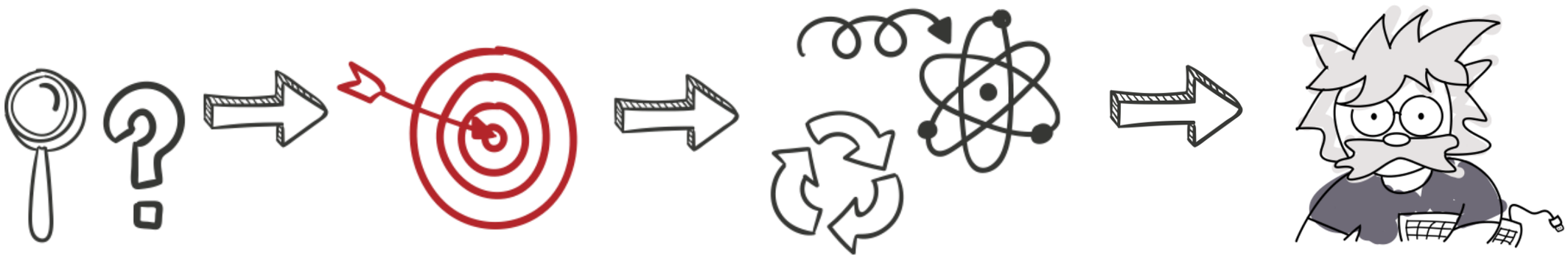
Publications

Projects

Core value - Researchers



Ideas Research Publish results Impact



Search Find! Reuse and evolve Credit

Core value – data centre manager

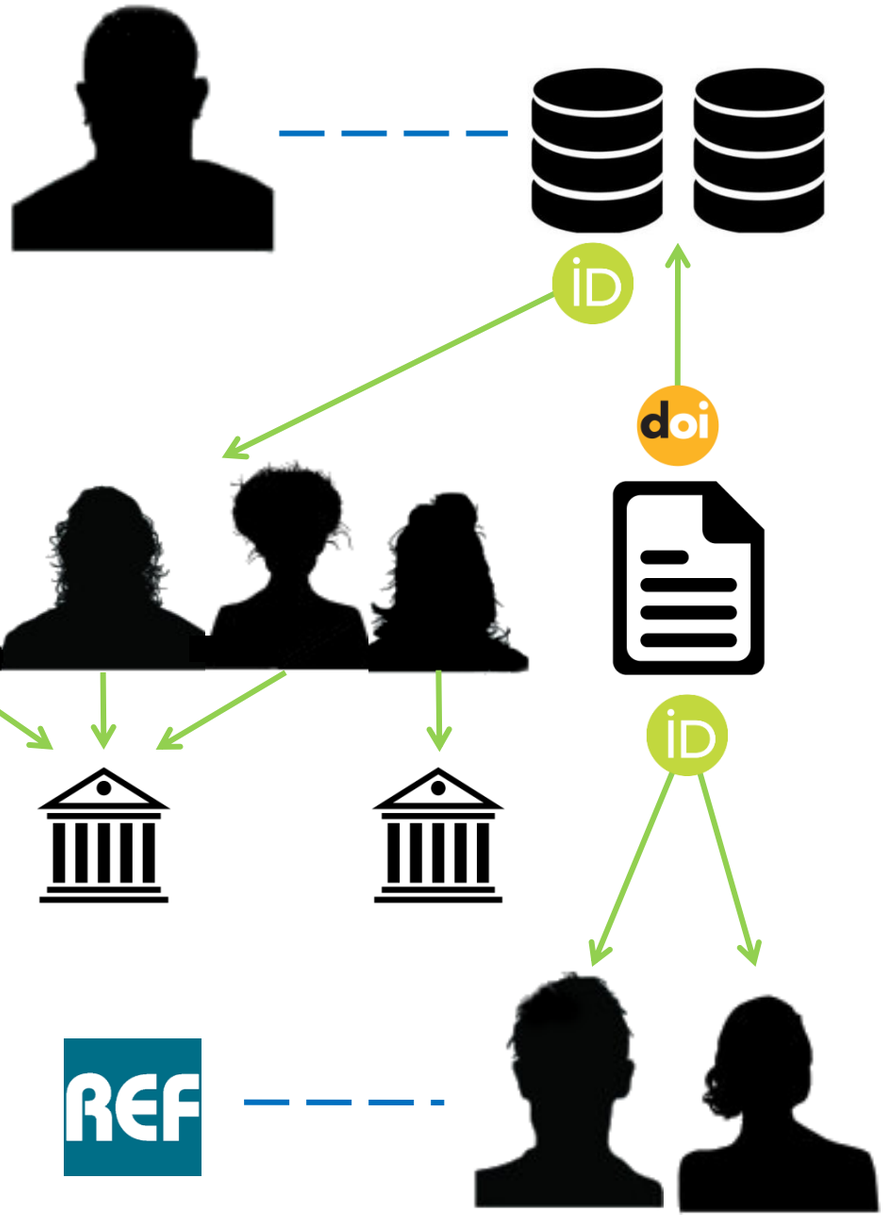
Michele is a Data Centre Manager preparing for a bi-annual review

Success depends on demonstrating citation and re-use.

Linked PIDs ensure he has access to the information that he needs

DataCite services notify his centre whenever their data is cited

Datasets, articles, contributors, and institutions are all interlinked!



Sunny day or clouds ahead?

- Comprehensive coverage
  - Articles, data, contributors
  - Interlinking
  - Integration into workflows, systems, services
  - Publisher and funder mandates in force
- New types of entities
  - Software, organisations, projects, instruments, materials, methods, protocols
  - Addressing the edge cases
- FREYA – in December
- New service ecosystem around the connected graphs of persistent identifiers
- Deep embedding into the European Open Science Cloud

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To ensure every researcher, at any phase of their career, or at any institution, will have seamless access to Persistent Identifiers (PIDs) for their research artefacts and their work will be uniquely attributed to them.

RESEARCH	DEVELOPMENT	OUTREACH	EVALUATION
Identifying challenges	Building tools	Running bootcamps	Gauging sustainability
Supporting standards	Setting up services	Providing training	Developing metrics
Designing workflows	Connecting platforms	Aligning communities	Offering feedback

THOR Knowledge Hub @ project-thor.readme.io

Gentle introduction: Dappert, Farquhar, et al Connecting the Persistent Identifier Ecosystem. Data Science Journal. 2017. DOI: http://doi.org/10.5334/dsj-2017-028

Girona, Spain

23-24 January 2018

https://doi.org/10.5438/11.0002