



The DOI Persistent Identifier System

Presented by J. Savoyet

Summary

- Goal of a persistent identifier mechanism
- DOI as a persistent identifier mechanism
- DOI integration into facilities information workflow
- Datamining and DOI

Goal of a persistent identifier mechanism

- General purposes
 - Facilitate access to research data
 - Increase the knowledge production
 - Promote high standards in data citation
 - Support data archiving
 - Control research results

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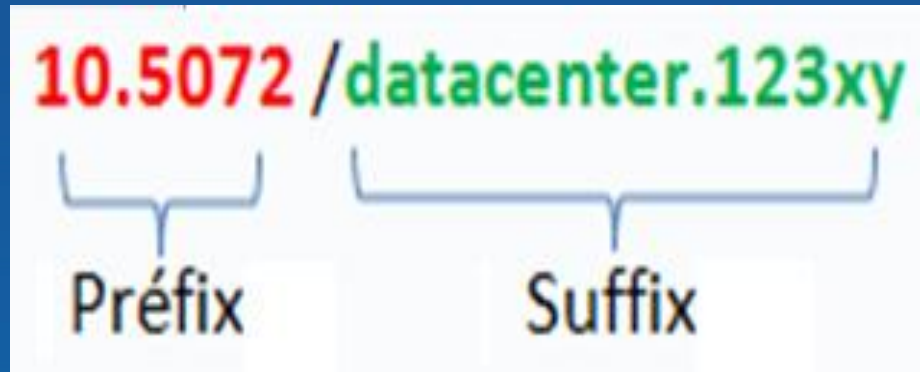
DOI as a persistent identifier mechanism

Main purposes targeted by the DOI system

- Permanent identification of a digital object
- Reliable and durable quotation
- Facilitation of access, share and reuse of content
- Crosslinking through various objects
- Potential generation of new knowledges

DOI as a persistent identifier mechanism

DOI is a unique identifier



DOI as a persistent identifier mechanism

DOI metadata

Recognition

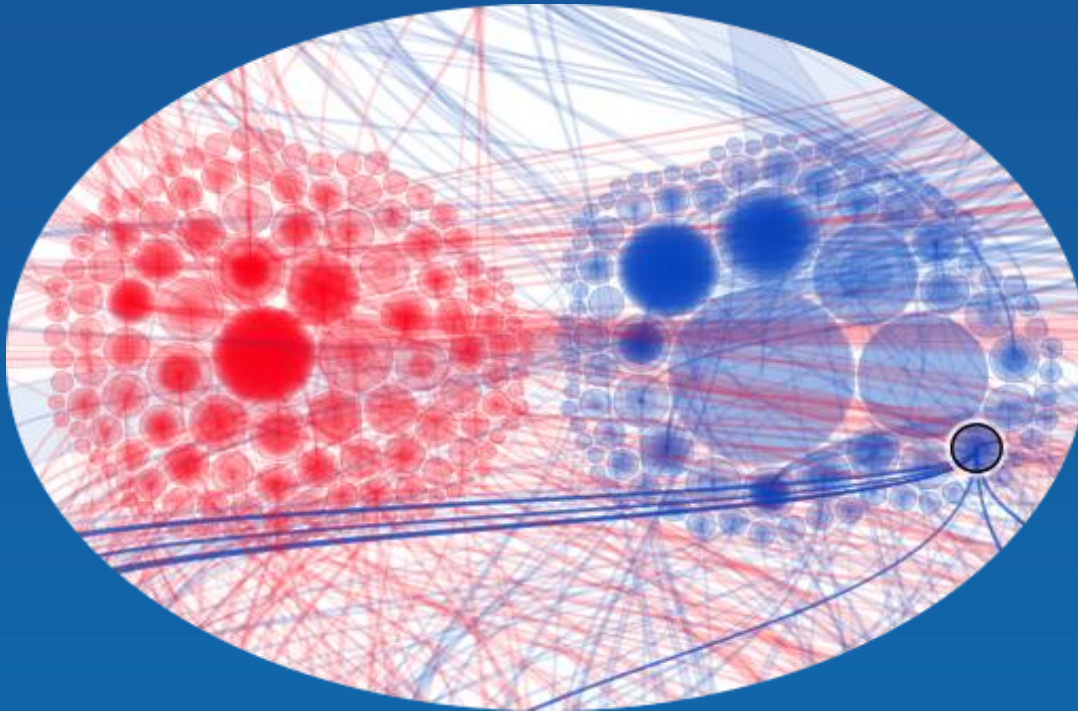


DOI as a persistent identifier mechanism

DOI metadata

Recognition

Relationships



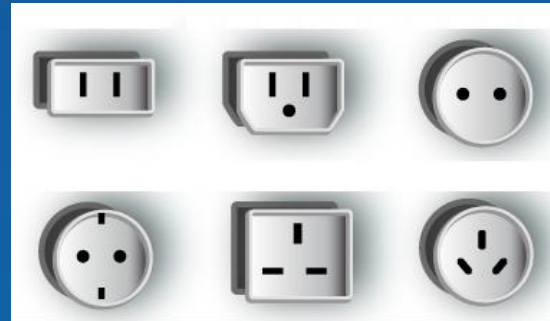
DOI as a persistent identifier mechanism

DOI metadata

Recognition

Relationships

Interoperability



DOI as a persistent identifier mechanism

This page represents DataCite's metadata for [doi:10.5162/IMCS2012/P1.3.8](https://doi.org/10.5162/IMCS2012/P1.3.8)

For a landing page of this dataset please follow <http://dx.doi.org/10.5162/IMCS2012/P1.3.8>

Citation T. Arakawa; Y. Konishi; S. Takoshima; (2012): P1.3.8 Detection of protein by the use of photoluminescence in rare earth-protein-SDBS system; AMA Service GmbH, P.O. Box 2352, 31506 Wunstorf, Germany. <http://dx.doi.org/10.5162/IMCS2012/P1.3.8>  

Descriptions

Abstract The fluorescence enhancement effect in rare earth-protein-sodium dodecyl benzenesulfonate (SDBS) system has been studied. Tb³⁺-SDBS-protein system showed a very weak fluorescence, while addition of Gd³⁺ or ethanol to this system significantly enhanced the fluorescence, especially in collagen-containing system. This new method made it possible to determine proteins of ng/ml level.

Resource type

Text ConferencePaper

Subjects photoluminescence
rare earth
protein

Size 3 Pages
687 KB

Language eng

Formats application/pdf

Related identifiers

IsPartOf doi:[10.5061/DRYAD.49V70/1](https://doi.org/10.5061/DRYAD.49V70/1)

IsReferencedBy doi:[10.1038/HDY.2012.34](https://doi.org/10.1038/HDY.2012.34)

Alternate identifiers

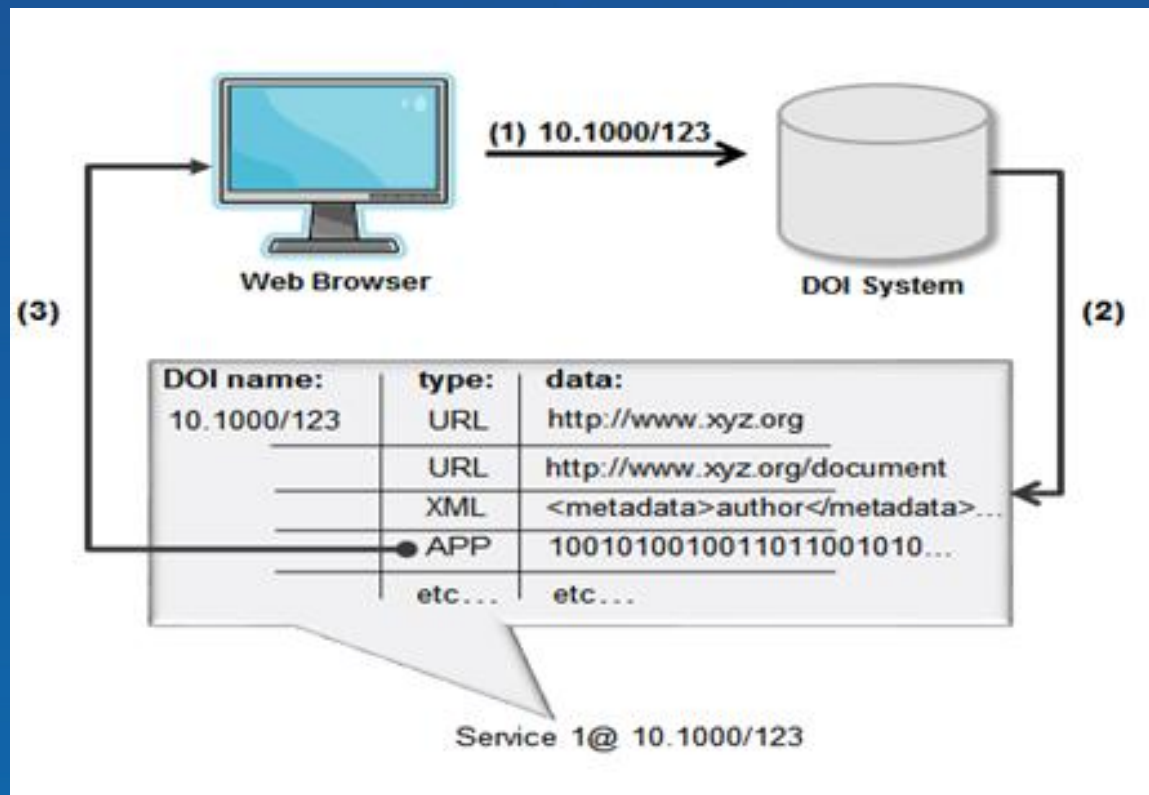
ISBN 978-3-9813484-2-2

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DOI as a persistent identifier mechanism

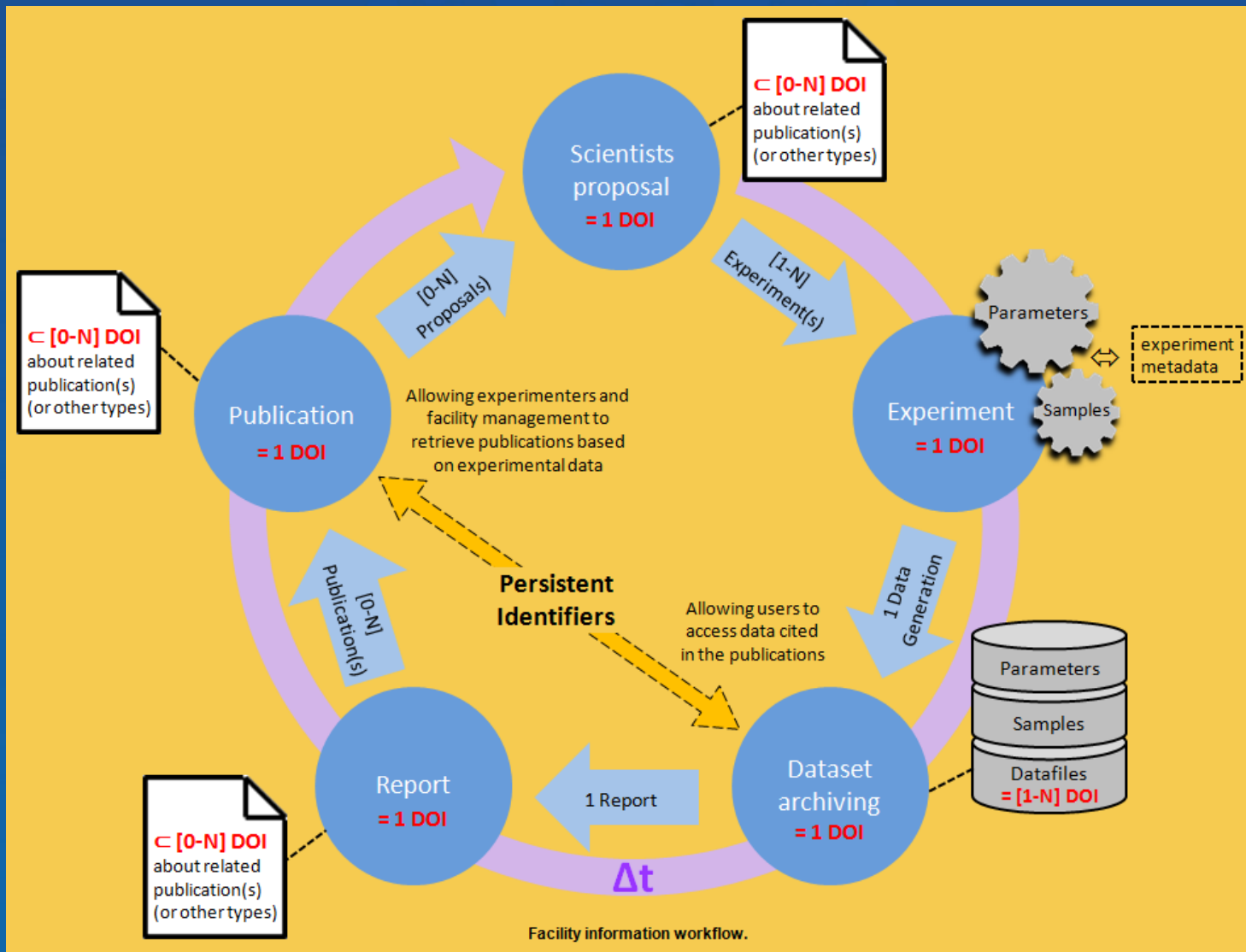
A simple and federated architecture



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DOI integration into facilities information workflow



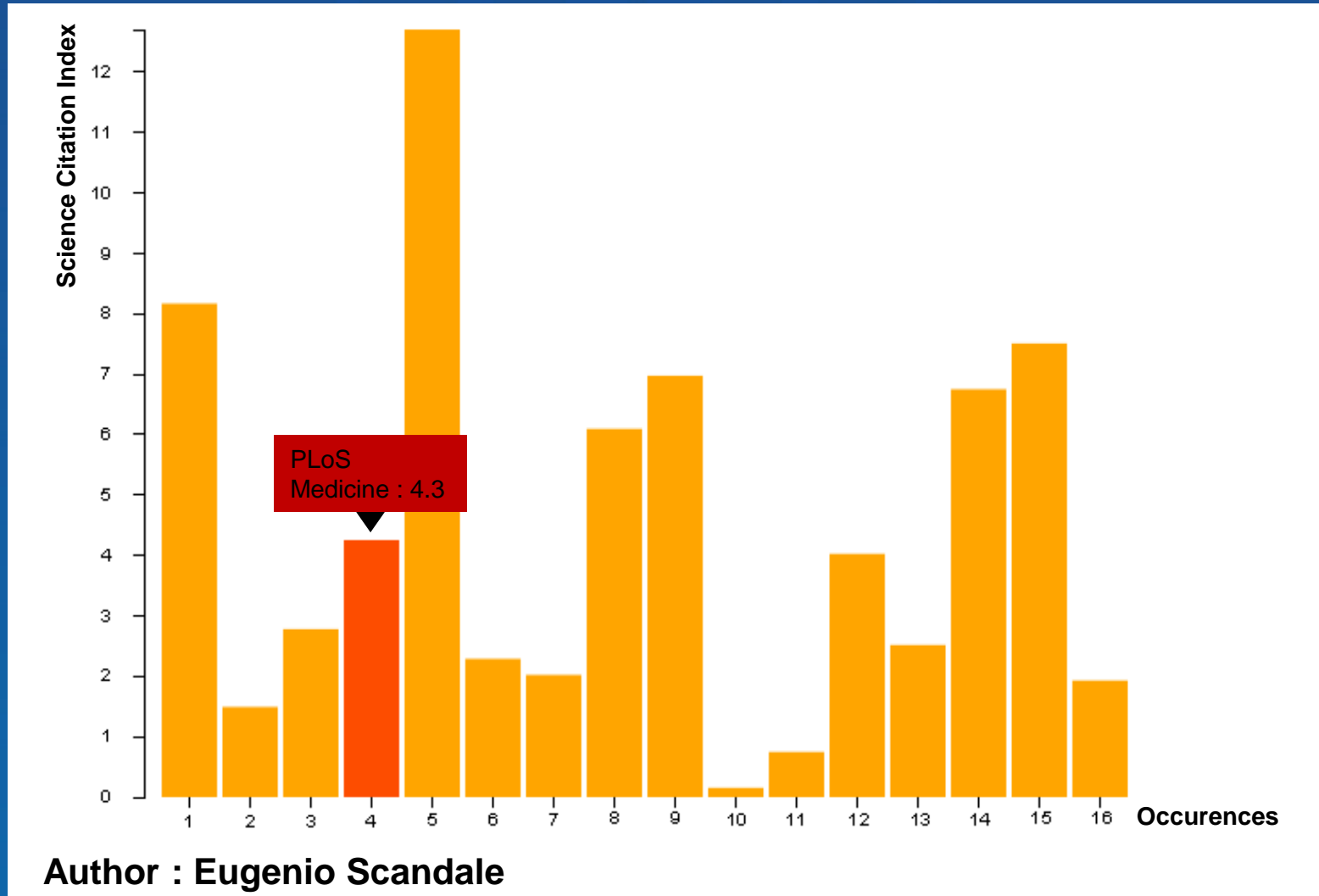
DOI integration into facilities information workflow

- ESRF purpose
 - Allow users to more easily cite data mentioned in their publication
 - To allow ESRF to more easily collect information

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Datamining and DOI





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