



Grey Literature and Persistent Identifiers: GreyNet Use Case

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Twenty-Third International Conference on Grey Literature
'Digital Transformation of Grey Literature: Exploring Next Generation Grey'
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Background

Access Grey Project

GreyNet Community Survey Results:

Strong Agree: PIDS

Increase ✓ access ✓ citation of grey literature
✓ vital to (cross) linking data

Uncertain/Disagree: PIDS

- ◇ Incentive to the acquisition of grey literature
- ◇ DOI increases the value of grey literature



Key Characteristics of PIDs

- Provide the service or internet address of a digital object
- Links the object to metadata
- Unambiguously identifies an object, even if it moves to another service
- Computer readable for other research communities



Starting Points for the PID Project

- An understanding that the full value of the PID depends on the service and system in which it is incorporated
- A sustained data infrastructure is in place
- A coherent (shared) data workflow is in place



Fundamentals for the PID Project

- GreyGuide Repository registered in OpenDOAR
- DOI assigned GreyNet's conference papers
- ORCID assigned authors and researchers
- ROR ID assigned research organizations

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Shared Data Workflow

Human Resources

GreyGuide - System Manager and Technical Developer

GreyNet Community Network Manager

PID Graph Professional

Data Workflow

GreyNet DOI Minting Service

ORCID and ROR ID Acquisitions

New and Retrospective data input

Revisions and Editing

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Population of Actionable PIDS

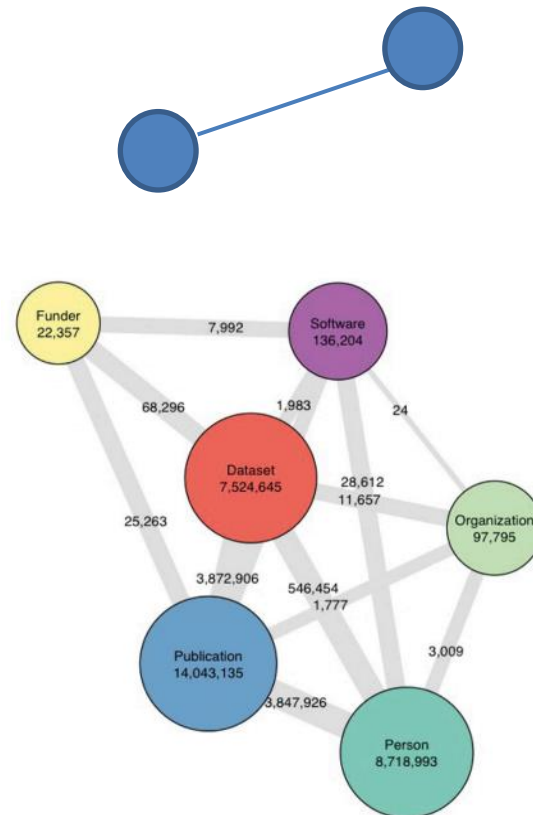
DOI	Landing page in the GreyGuide GLP Collection ...	443
ORCiD	Metadata field in the GreyGuide BIO Collection ...	146
ROR ID	Metadata field in the GreyGuide BIO Collection ...	180



Implementation of the PID Graph

Backend services focus on two PIDs that are connected along with their metadata

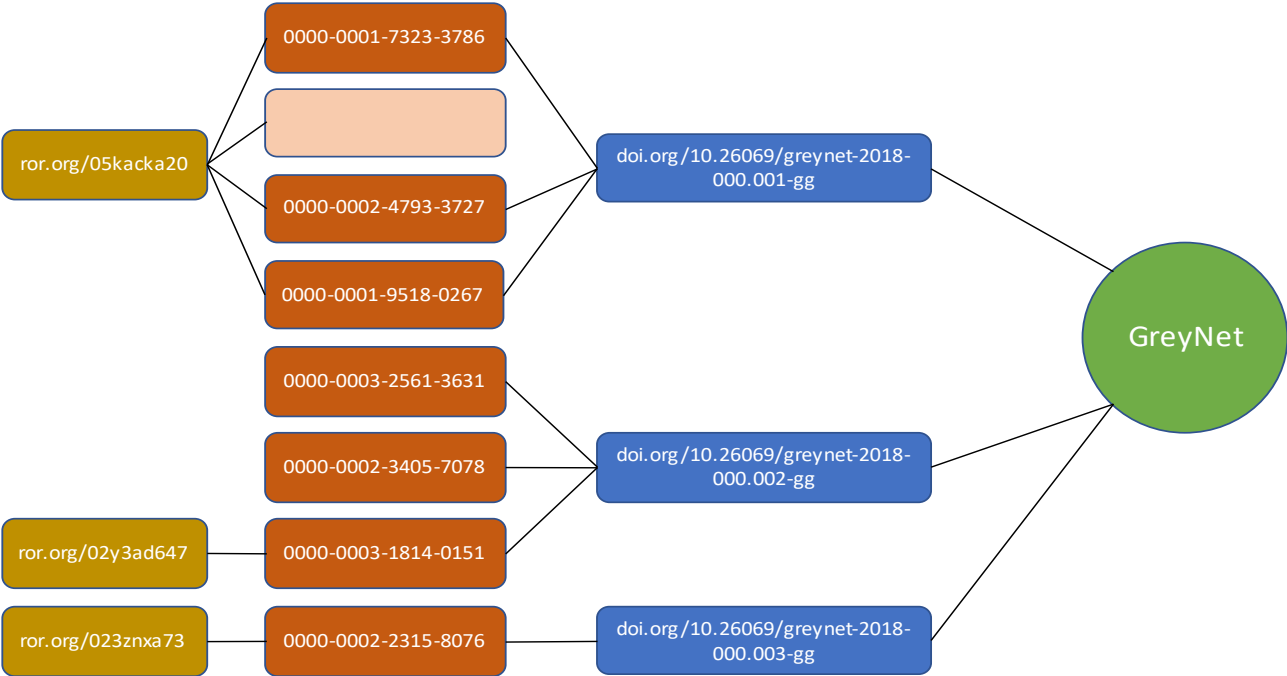
More insight into the value of PIDs is gained by examining their connections ***“The sum is more than its parts”***



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PID Graph – DOI Perspective

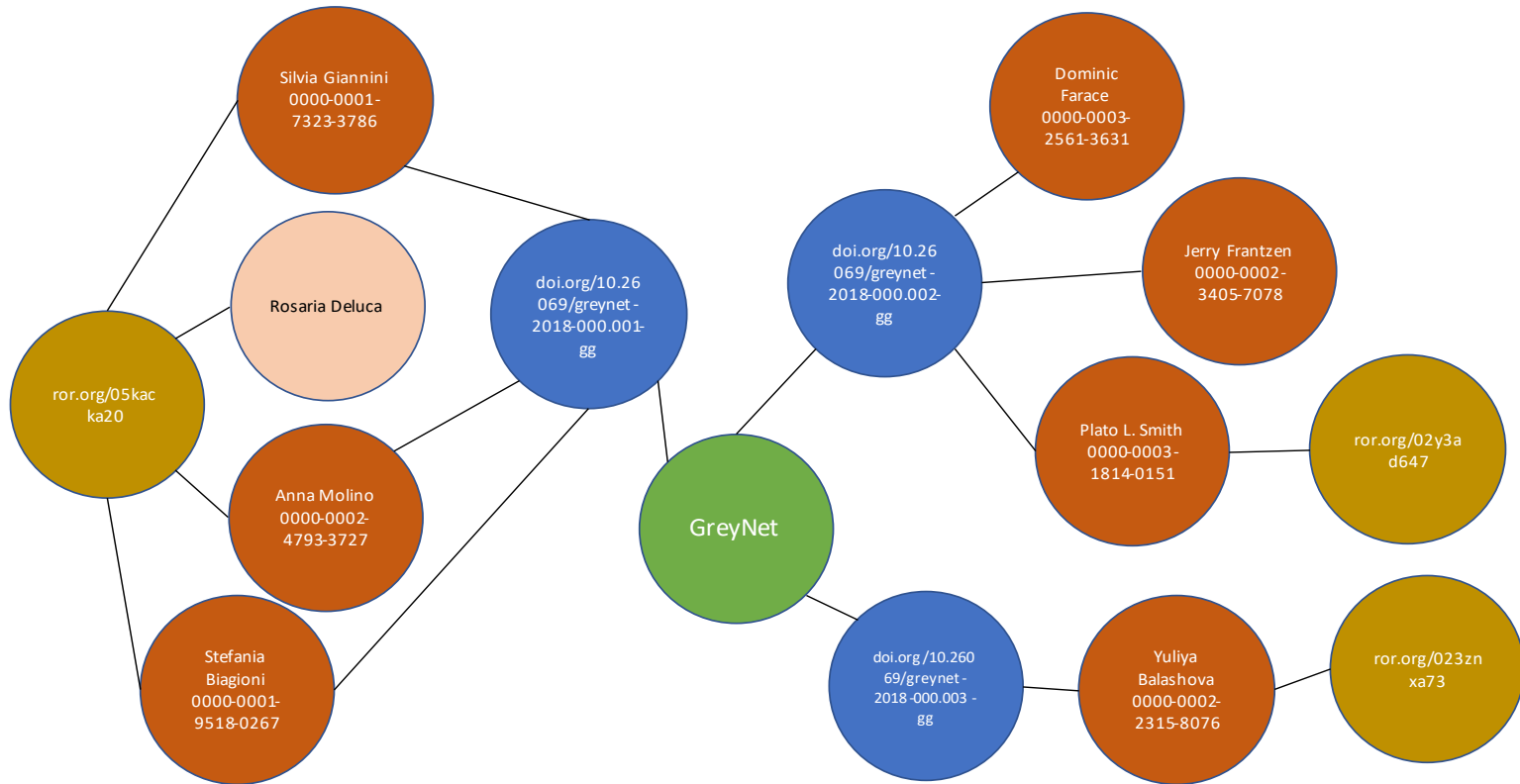
Horizontal Format



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PID Graph – DOI Perspective

Cluster Format



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PID Graph – ORCID Perspective

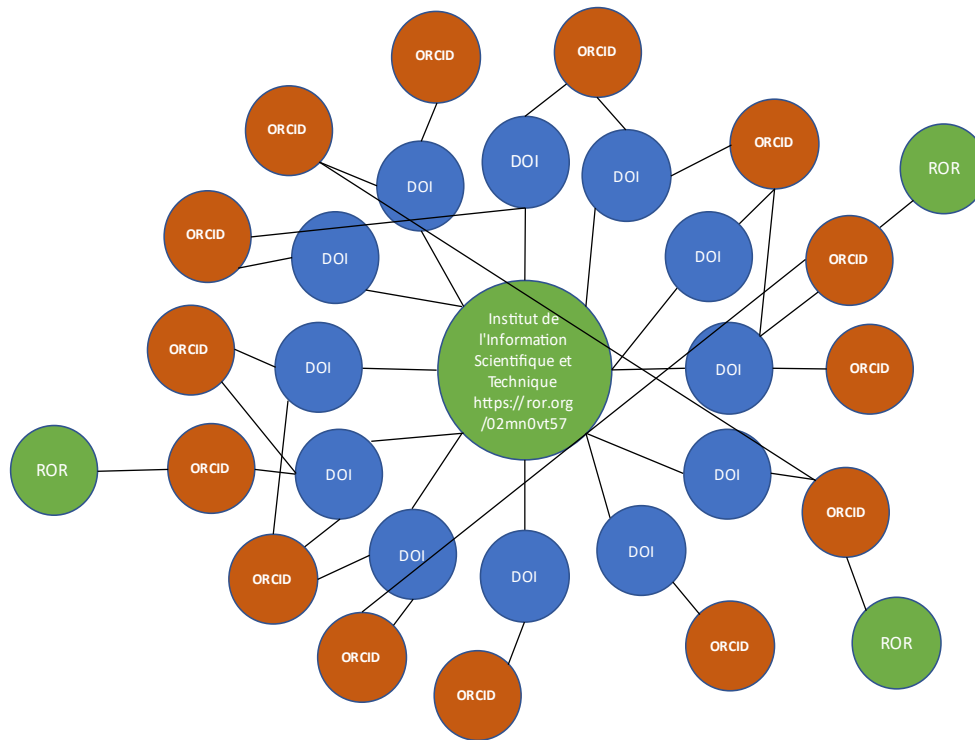
Cluster Format



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PID Graph – ROR ID Perspective

Cluster Format



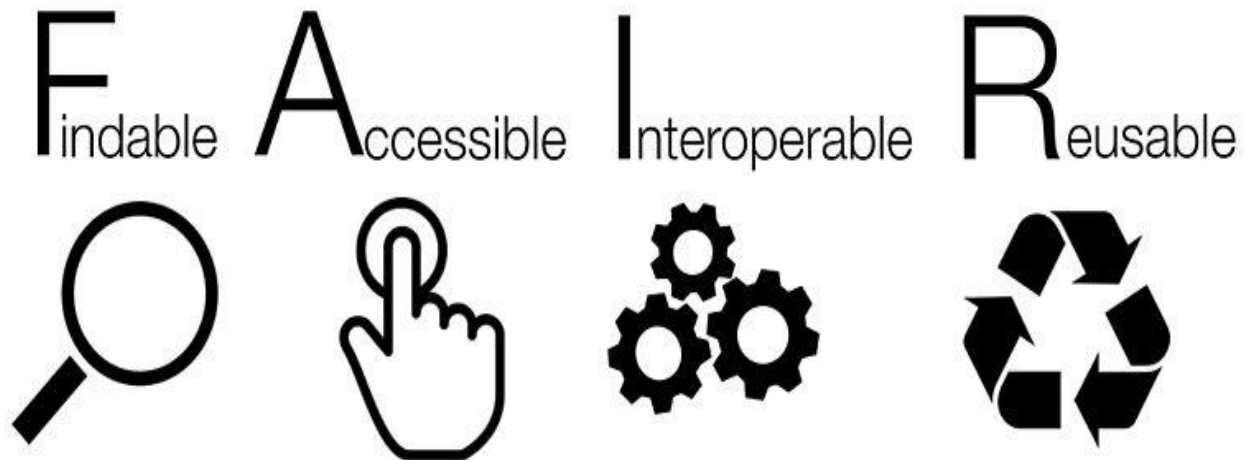
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PIDS are building blocks in a FAIR Research Environment

PIDS enable the various entities to conform to FAIR data principles



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Some Concluding Remarks

PIDS and the PID Graph demonstrate that GreyNet is a mature research organization

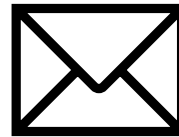
GreyNet adheres to FAIR data principles and signals to other communities of practice a sustained trust in grey literature

The uncertainty as to whether the DOI is a quality indicator that increases the value of grey literature may be reduced when linked with the ORCID and ROR ID illustrated by the PID Graph. Likewise, all three of the PIDS conform to FAIR data principles: Findable, Accessible, Interoperable, and Reusable

The uncertainty as to whether persistent identifiers serve as an incentive in the acquisition of grey literature has still to be addressed by the PID Graph



Thanks!



And, an open invitation to those who
may want to collaborate with
GreyNet International in further
developing a FAIR research
environment for grey literature

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