IGSN–DataCite Partnership

DataCite Open Hours March 2022

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Samples Community Manager
30 March 2022

DataCite
CONNECTING RESEARCH,
IDENTIFYING KNOWLEDGE

Introducing
The IGSN–DataCite Partnership

Background

Summary Report: IGSN 2040 Project

Defining the Future of the IGSN as a Global Persistent Identifier for Material Samples

June 2021

https://doi.org/10.5281/zenodo.5118288

Bringing together communities: IGSN and DataCite

May 31, 2021 Matt Buys and Kerstin Lehnert
https://doi.org/10.5438/thhf-kx17

DataCite and IGSN are pleased to announce their roadmap towards a partnership that intends to support the global adoption, implementation, and use of physical sample identifiers. This collaboration is aligned with our respective missions and brings together the strengths of each organization for the benefit of the research community.

DataCite is a community-led organisation with a vision to connect research and identify knowledge. We have been providing the means to create, find, cite, connect, and use research across 47 countries globally since 2009. In addition to DataCite core services, we support the scaling efforts of several identifier communities through governance, sustainability, insurance, and technical implementation.

Partnership between IGSN and DataCite

October 28, 2021 Matt Buys and Kerstin Lehnert
https://doi.org/10.5438/7z70-1155

Earlier this year, DataCite and IGSN announced their roadmap towards a partnership to support the global adoption, implementation, and use of physical sample identifiers. Today, we are pleased to share the announcement of the partnership agreement.

DataCite is a community-led organisation with a vision to connect research and identify knowledge. We have been providing the means to create, find, cite, connect, and use research across 48 countries globally since 2009. In addition to DataCite core services, we support the scaling efforts of several identifier communities through governance, sustainability, insurance, and technical implementation.

IGSN e.V. is an international, non-profit organization with more than 20 members, which has operated

IGSN 2040 Vision to Execution

January 17, 2022 Matt Buys and Paul Vierkant
https://doi.org/10.5438/50t1-tq66

DataCite and IGSN e.V. are entering the next phase of their partnership supported with a grant by the Alfred P. Sloan Foundation for the project 'IGSN 2040 Vision to Execution: Institutionalizing IGSN ID services'. The project is the next step of the partnership between DataCite and IGSN in beginning the transition of the IGSN ID to the DataCite infrastructure, services, and APIs. DataCite will provide the IGSN ID registration services and supporting technology to enable the ongoing sustainability of the IGSN PID infrastructure.

The grant from the Alfred P. Sloan Foundation will be used to recruit a Samples Community Manager and Application Support Engineer, who will both work with IGSN members to set up IGSN-DOI registration services. In the course of 'IGSN 2040 Vision to Execution' transition, the following steps will be taken:

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Strategic plan 2022–2025

Pillar 3: Identify and connect all resource types held by research organisations globally

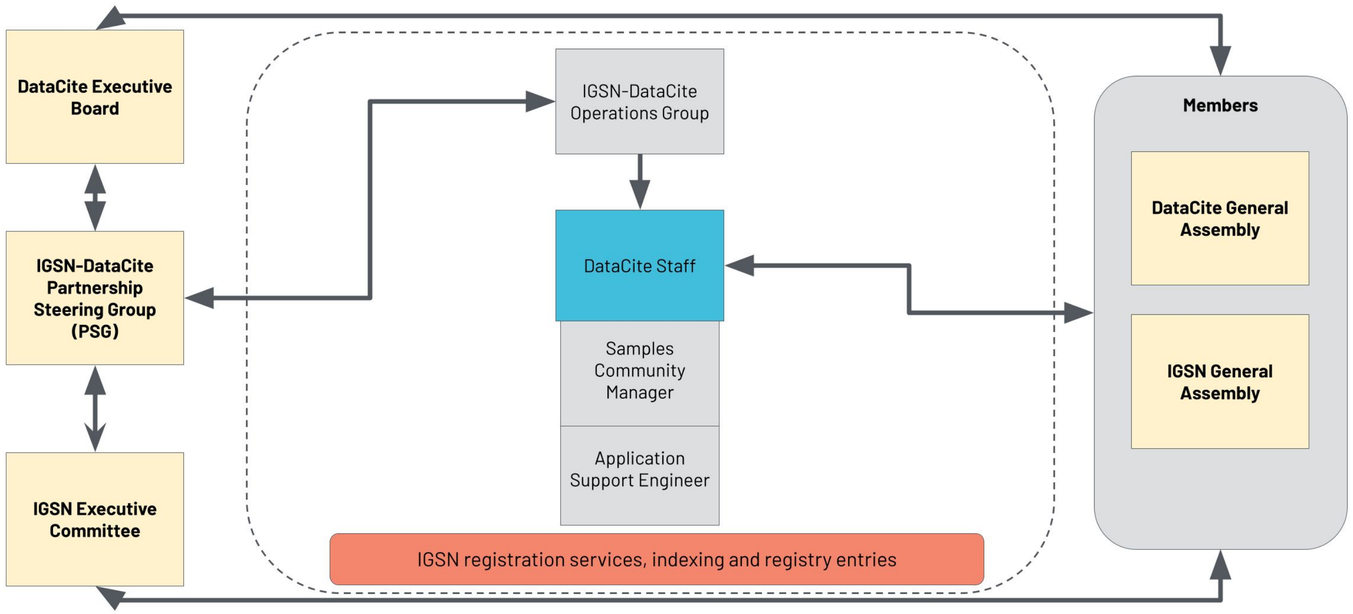
2. Take intentional, proactive steps as the trusted community PID service partner for research organisations identifying research outputs and resources. Build services and strategies that support these use cases.

2022 Activities

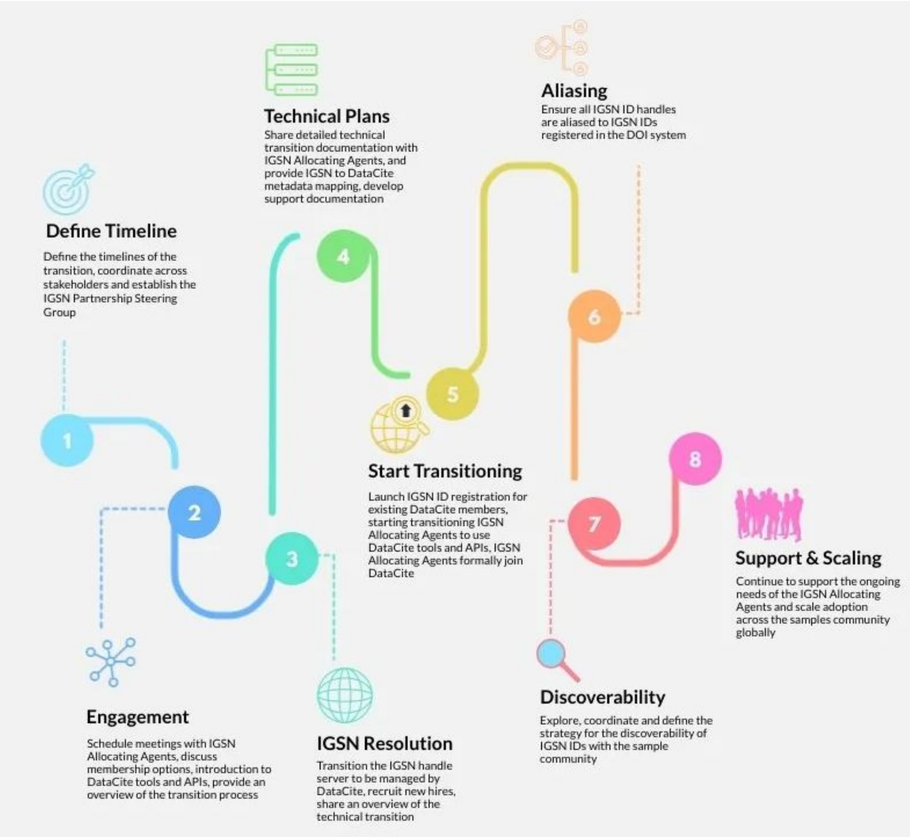
- Become recognized in the community for all research outputs
- Seek proactive engagement with specific communities, such as samples, DMPs, etc.
- Onboarding IGSN allocating agents as members and help grow registrations
- Transition IGSN members to use DataCite infrastructure

IGSN–DataCite Partnership

- **DataCite** – Provides the IGSN ID registration services and supports the ongoing sustainability of the IGSN ID infrastructure.
- **IGSN** – Serves to implement and promote standard methods for identifying, citing, and locating physical samples with confidence.
- **IGSN–DataCite Partnership Steering Group (PSG)** – Established by DataCite and IGSN Executive Boards to oversee the relationship described in the agreement. A formal advisory body to advise DataCite on the needs of the samples community, coordinating with DataCite steering and working groups on samples requirements.
- **Samples Community Manager** – Responsible for coordinating with the PSG and the broader IGSN community to support adoption, advocacy, and implementation activities.



Phase 1 – Transition



The IGSN branding must be maintained.

Mostly technical to transfer the IGSN IDs

- Develop technical transition plans and implementation steps
- Transition the IGSN handle server
- Provide IGSN to DataCite metadata mapping
- Support and best practice documentation

Assisted by the IGSN–DataCite Metadata and Namespace WGs

- Launch IGSN ID registration for existing DataCite members
- IGSN Allocating Agents to use DataCite tools, APIs and services

Early adopters from IGSN Allocating Agents to register new IGSN IDs

- Ensure IGSN ID handles are aliased to IGSN IDs registered in the DOI system

Engagement involves supporting the above

- Coordinate with IGSN Allocating Agents and assist them to join DataCite
- Communicate timeline, transition process, documentation, etc.
- Generally, support the transition and onboarding efforts; for example, introducing DataCite services
- Reporting on the outcomes: deliverables to Sloan Foundation

Phase 2 – Scaling

Mostly community engagement to ensure long-term sustainability

- Continue to support the ongoing needs of the IGSN Allocating Agents
- Explore, definite, and coordinate a strategy for discoverability of IGSN IDs
- Scale adoption and use of IGSN IDs across the samples community globally (inc. adoption of field-based tools)
- Using a Communities of Practice approach, develop a 'Community of Communities' to promote/support research and innovation for standardized methods to identify, cite, and locate physical samples
  - Host workings, events, and knowledge base to foster sample Communities of Practice
  - Develop best practices and recommendations
  - Core sample descriptive metadata and community extensions

What does this mean for DataCite Members?

If you work in one/more of these disciplines...

- Earth, Space, and Environmental Sciences
- Biological/Life Sciences (e.g., Biomedicine)
- Anthropology
- Archaeology
- The Arts?
- Agriculture
- Material Sciences
- Other Engineering?
- ...

If your user community collects physical samples such as...

- Rock/mineral samples
- Soil/sediment cores
- Water quality samples
- Seed accessions
- Biodiversity samples
- Archaeological artefacts
- Synthetic materials
- Human tissue samples
- ....

Note: This includes sampling features

Then you will be…

- From approximately **August 2022**, invited to register physical samples through DataCite, and these will be branded ‘IGSN’
- Provided with guidance on how to do this
- Reached out to, if you have already registered physical objects as a resource type or your organization seems likely to have a user community that collects physical samples
- Additionally invited to join the IGSN e.V., and to participate in domain-specific Communities of Practice around, for example, metadata standardization

This will...

- Label physical samples with an already internationally recognized brand having over 10 years of history
- Enable physical samples to (inter)linked with other entities in scholarly literature via the PID Graph
- Ensure physical samples become first-class research outputs
- Connect Members (or strengthen their ties) to other physical sample stakeholders in their domain and other communities
- Give Members access to (and a say in the development of) both standards and best practices/solutions to common problems
- Allow Members a more direct route to discuss issues around physical samples with the DataCite Board through the PSG

DataCite

FIND, ACCESS, AND REUSE DATA

Get in touch!

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