



IGSN e.V.

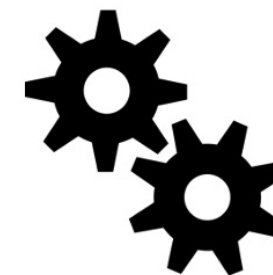
- Organization that has implemented the global IGSN registration mechanism;
- Founded in 2011, using DataCite as a model for its architecture & governance;
 - Registered as a non-profit membership organization in Germany.
 - Managing Office at Lamont-Doherty Earth Observatory.
- Members are legal bodies such as academic institutions, government agencies, commercial entity.
- Initially focusing on Geoscience samples, has expanded into other disciplines.



10M sample IDs issued



Global participation



Value

2018: The IGSN 2040 Project

Design a trustworthy, stable, and adaptable architecture for the IGSN as a persistent unique identifier for material samples, both technically and organizationally.

- attract, facilitate, and satisfy participation within and beyond the Geosciences,
- be a reliable component of the evolving research data ecosystem,
- be recognized as a trusted partner by data infrastructure providers and the science community alike.



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IGSN 2040: Project Outcome

- Partnership with DataCite
 - Leverage DataCite ID registration services while maintaining IGSN identity and focusing IGSN e.V. resources on community advocacy efforts.
 - Partnership Steering Group oversees the partnership.

Bringing together communities: IGSN and DataCite

May 31, 2021 by 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.

Mission of the IGSN e.V.

- Foster a Community of Communities around samples expertise in the PID/Research ecosystem that advances proper identification, maintenance, and availability of samples and any related data to empower future research.

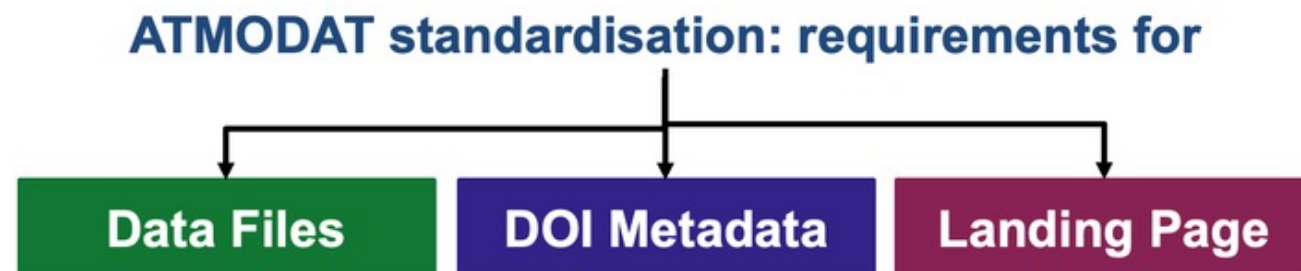
- Integrate communities into the global sample ecosystem;
- Enable interoperability and connectivity of samples and data;
- Drastically improve sample discoverability; and
- Facilitate ubiquitous access, mining, exploring, and sharing of samples.

IGSN e.V.: Focus on Community

- Be a collaborative space for community development around the common denominator of Samples that promotes the use of the sample and its connections to any derived observations, images, analytical data, etc.;
- Help communities identify what is truly unique about their material samples and make it easy to interoperate where required.
- Act as a central information and coordination point:
 - That enables transfer of knowledge about samples to researchers of any community on how to describe samples and link them to data and publications; and
 - That helps take coordinated approaches across common themes.
- Continue offering a space for individual communities to define themselves by providing:
 - An intellectual hub space for specific communities to interact and allow for varying contexts and enabling flexibility;
 - A 'help desk'; and
 - An outreach and engagement venue to support any dialog pertaining to samples.

Example Activity

- Establish quality guidelines that improve the FAIRness of samples
 - Define requirements for rich metadata with controlled vocabularies, structured landing pages, and for the format and structure of machine-readable metadata records.
- Follow the example of EASYDAB & ATMODAT
 - EASYDAB: quality seal to award and highlight carefully curated Earth System Science data. The EASYDAB logo indicates that the data have an open license, meet the [FAIR Data Principles](#) and have been checked by the data repository for compliance with a discipline-specific quality standard.



Become Part of the IGSN e.V.!

- Does your organization acquire, process, and/or curate physical samples?
- If yes: **Take an active role in the future of the IGSN!**
 - IGSN e.V. is the main forum to develop input and guidance for DataCite to operate the IGSN registration service
- **Now is a great time to join the IGSN e.V.**
 - IGSN e.V. is reshaping the organization – have a say in the process!
 - Ensure that samples in your organization are FAIR: Help maximize the value of today's samples for tomorrow's science!
- More information at <https://www.igsn.org>
- Contact us at info@igsn.org

Statutory Objectives

- Develop and provide methods to locate, identify, and cite physical samples with confidence
- Facilitate international cooperation to ensure the availability of physical samples
- Define, adopt and promote standard methods in order to locate, identify and cite physical samples with confidence
- Promote and develop knowledge and skills exchange regarding the availability of physical samples and policies for their handling
- Oversee the rules and procedures for operating an IGSN registration service with a distributed infrastructure for use by and benefit of its members.