** Implementation K1**

# IGSN

## Use Case 1: GEOMAR

Status

IGSN identifiers for samples are already captured at GEOMAR, but not yet in a fully systematic way

- Capture is currently manual
- IGSNs are managed via dedicated sample systems, e.g.: [https://biosamples.geomar.de](https://biosamples.geomar.de)

Responsibility

- Geosamples: Core Repositoryx Management
- Biosamples: Bio Sample Management, Data Managemement

Challenges

There are currently no documented workflows or institutional guidelines for IGSN usage.

A key development is the ongoing implementation of API-based registration for IGSNs.

A major challenge is the unclear integration into central systems, particularly:

- Whether and how IGSNs will be exposed in OSIS applications
- Improving **automation (via API)**

Outlook

System integration is an important step toward a more scalable and harmonized IGSN implementation. We strive to work with the core and biosample repositories to develop proper workflows to capture and store IGDN within GEOMAR data systems.

## Use Case 2: Geoforschungszentrum Potsdam (GFZ)

What is the current status?

Where shall we go?

## Use Case 3: Helmholtzzentrum für Umweltforschung (UFZ)

Implementation Group ORCID:

HMC: Andrea, Manu

UFZ: Johann, Ronny

What is the current status in capturing PIDs? Who is responsible for ORCID?

What tools do we need or are involved?

What are the next steps?

## Use Case 4: KIT

What is the current status?

Where shall we go?

## Use Case 5: Hereon

What is the current status?

Where shall we go?

## Use Case 6: AWI

What is the current status?

Where shall we go?

## Use Case 7: FZJ

What is the current status?

Where shall we go?

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