

## 2024 Report of Working Group 52 Data Management

The Working Group on Data Management (WG52) met on September 18, 2024. The meeting was virtual because many of the members were not able to attend the PICES annual meeting in person. This was the 8<sup>th</sup> meeting of the working group since its inaugural meeting on January 31, 2024. All meetings in 2024 were chaired by Brett Johnson, because the group was seeking an additional co-chair. Thankfully, Seung-Tae Yoon has officially been endorsed as a Co-chair for WG52 for 2025.

### AGENDA ITEM 1

#### **Review our Terms of Reference and discuss any alterations required.**

The SG reviewed the current Terms of Reference and discussed necessary alterations. Considerations included evaluating each ToR based on its timescale and treating each ToR as a theme.

### AGENDA ITEM 2

#### **Promotion of Data Sharing Culture within PICES**

Discussions focused on fostering a culture of data sharing across PICES. A presentation was given on strategies to encourage participation.

- Seung-Tae proposed ECOP education on data management and sharing across PICES member countries.

### AGENDA ITEM 3

#### **Recommendation of Data Management Platforms, Standards, and Technologies**

The group explored various platforms and tools for data management, including:

- Collaborative word processing tools, with Notion proposed as a potential option.
- Review of recommended data management standards and technologies.

### AGENDA ITEM 4

#### **Funding Needs for the Data Stewardship Office (DSO)**

Discussion on securing funding for the DSO, emphasizing the need to leverage in-kind support from member countries. Clarification of the role's scope was identified as a key priority.

### AGENDA ITEM 5

#### **Development of a Data, Metadata, and Information Flow Diagram**

The group confirmed the completion of the data, metadata, and information flow diagram.

### AGENDA ITEM 6

#### **Communication of the PICES Data Flow Decision Tree**

Plans to communicate the PICES Data Flow Decision Tree to PICES expert groups were discussed. Actions included:

- Sending an email to expert group leads to facilitate awareness and implementation.
- Identifying a suitable example from an expert group to establish a case study as a demonstration.

### AGENDA ITEM 7

#### **Review of National Data Repositories**

The SG examined existing national data repositories within PICES member countries. Some NODC links were identified as useful resources.

AGENDA ITEM 8

**Review of Work Plan and Progress**

The group reviewed progress on the existing work plan, aligning it with ongoing initiatives and deliverables.

AGENDA ITEM 9

**Evaluation of Zenodo as the Official PICES Data Catalogue**

The group revisited the final recommendation of using Zenodo as the PICES Data Catalogue, identifying key points:

- Zenodo's criteria and usability test.
- Benefits, including its neutral hosting (Europe), accessibility for those without a data center, and support for community-hosted repositories.
- Costs (free), but a need for someone to maintain the Zenodo organizational admin role.
- Limitations, particularly the current lack of standards that allow federation with ODIS.
- Potential for engagement with ODIS to explore record harvesting options from Zenodo.

AGENDA ITEM 10

**Upcoming Work Plan for the Next Six Months**

The SG outlined key priorities for the next six months:

- Utilizing Notion.so for work plan and project management.
- Refining PICES data policy, data flow processes, and Zenodo integration.
- Identifying a case study to test the proposed processes.
- Developing a data management roadmap based on findings and feedback.

*WG52 Endnote 1*

WG52 participation list

Members

Brett Johnson (Canada, Co-Chair)

Seung-Tae Yoon (Korea, Co-Chair)

Wan Fangfang (China)

Chunhua Han (China) – Not in attendance

Daisuke Ambe (Japan) – Not in attendance

Daiki Ito (Japan) – Not in attendance

Lee Cholyoung (Korea)

Jeanette Gann (USA)

Hernan Garcia (USA) – Not in attendance

Erin Satterthwaite (USA)