環境省
Ministry of the Environment

Plan on AOMI's system renovation and future direction

Ministry of the Environment, Japan

Ideas for future update of AOMI

It is important to update the system constantly to meet the needs flexibly.
Which functions are required to be added ,and which points need to be improved in the AOMI?

Ideas for the future update

- Function that enable data providers to submit data via web forms.
  (at the current system, data providers need to fill in the excel format and upload it on the website / send it to data administrator by email)
- Update that enables the AOMI to accept various types of data formats from researchers.
- Addition of a repository function that enables data providers to save their datasets even before data submission.
- Strengthening API functions so that datasets in the AOMI can be more easily shared and utilized.

Schedule of update

*Fiscal Year: from April to March	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027~
System development	→				
Operation		→	⇢	⇢	→
System update (TBD)			⇢	⇢	

Future image of data collaboration between other database systems

System

Federated management system

MOEJ

Original Dataset

API

Request

Response

Dataset (copy)

Coordination

Coordination

Request

Response

Dataset (copy)

NOAA/EMODnet

Original Dataset

API

Metadata

Metadata
- Sampling time
- Particle number density per filtered water volume (Unit: particles/m3)
- …
- …

Coordination

Data item and terminology

Metadata
- Sampling time
- …
- …

Coordination

Data item and terminology

Metadata
- Sampling time
- Particle number density per filtered water volume (Unit: particles/m3)
- …
- …

Input

Outcome of the WS

Metadata items
- Sampling time
- …
- …