MEDIN and the Marine Directorate

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A collaboration and alignment of goals

Collaboration

- Our (Marine Directorate) roles within MEDIN
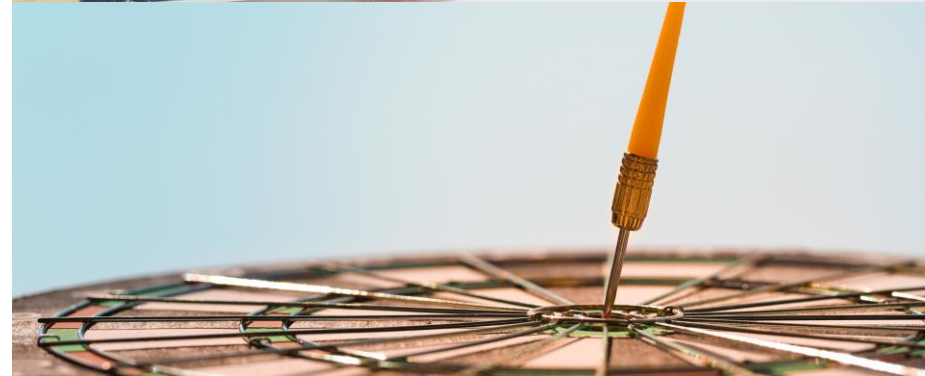- Benefits of our collaboration

Alignment

- Operational
- Strategic

Examples

- Internal messaging
- Find.data.gov.scot

What's Next?

Roles in MEDIN

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Sponsoring MEDIN

MEDIN Business Plan

Scottish Government Initiatives and drivers

Executive group

Sponsor board interest

Operational issues and decisions

Work streams

MEDIN Annual work programme

Specific, technical, and operational issues

Benefits of our Collaboration
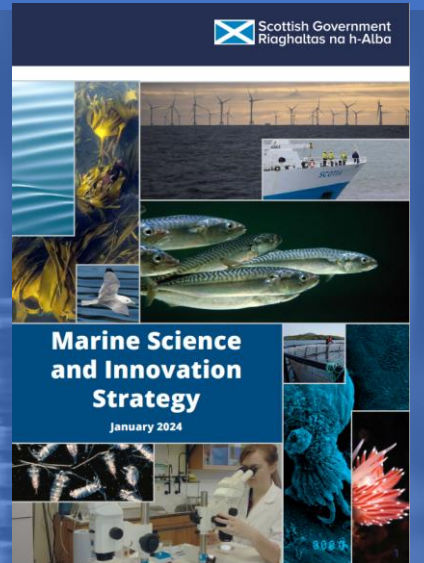
Long term data archives of UK Marine Data

- Growing collection of searchable data in secure locations for the long-term increases value and protects investment in collection
- Context for change in the marine environment

Shared data standards

- Shared standards that align with the long-term archives makes data life cycle management easier
- Still some challenges in adoption and integration of standards.

MEDIN development projects

- Excellent method for co-development and early discovery for wider community
- Limitations in finances is curtailing MEDIN's ability to be a leading partner in this area.

MEDIN Infrastructure

- MEDIN portal exposes our metadata, no need to build another app for that – saving us money
- Enhanced machine readability of MEDIN portal is enhancing this approach significantly (e.g. Ocean Info Hub)

Alignment

Operational

- **Metadata standards adopted as our core way of describing data within the Marine Directorate.**

- **Adoption of persistent identifiers for datasets**

- **Invoking MEDIN standards in commissioned data collection**

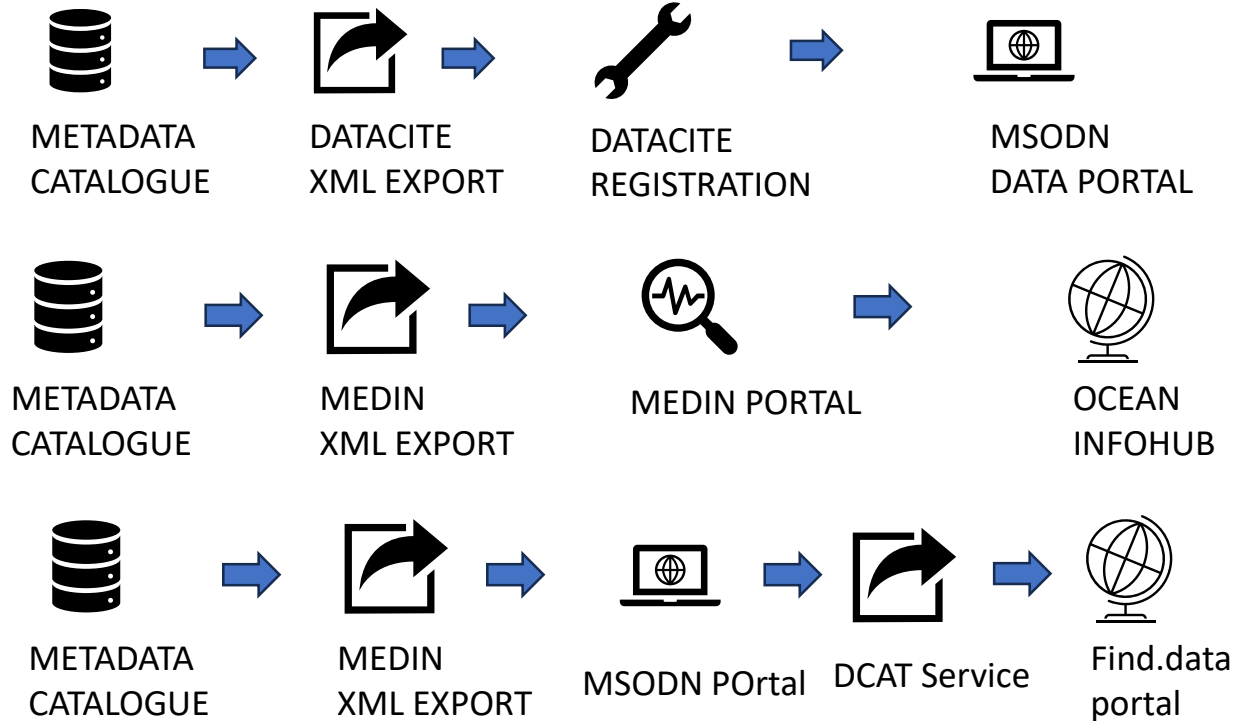- **Data Architecture focus on shared vocabularies and eventually API**

Strategic

- **Data and Digital as a strategic enabler**

- **FAIR principles**

- **Enhances our open data commitment**

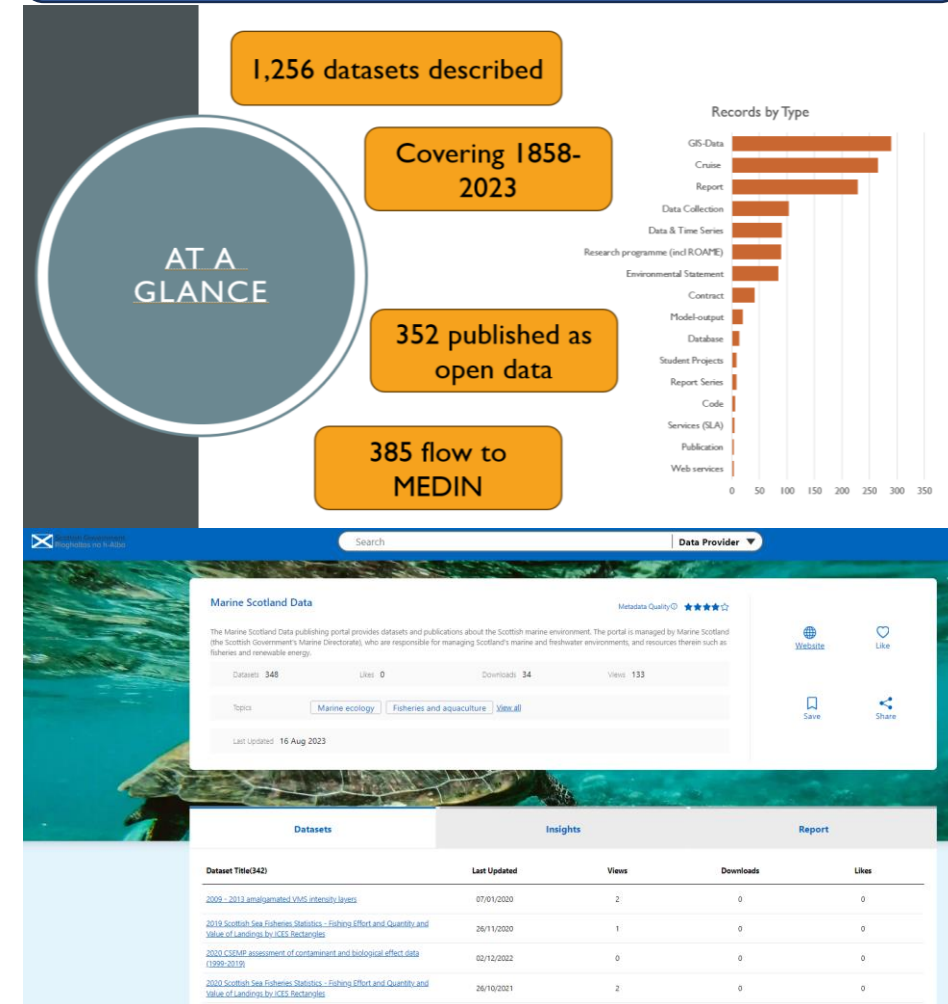- **Protect and enhance investment in assets (and data are assets)**

Scottish Government
Riaghaltas na h-Alba

Marine Science and Innovation Strategy

January 2024

Examples

Internal Messaging

- The ability to focus on a core standard
- Simplify workflows to provide multiple benefits

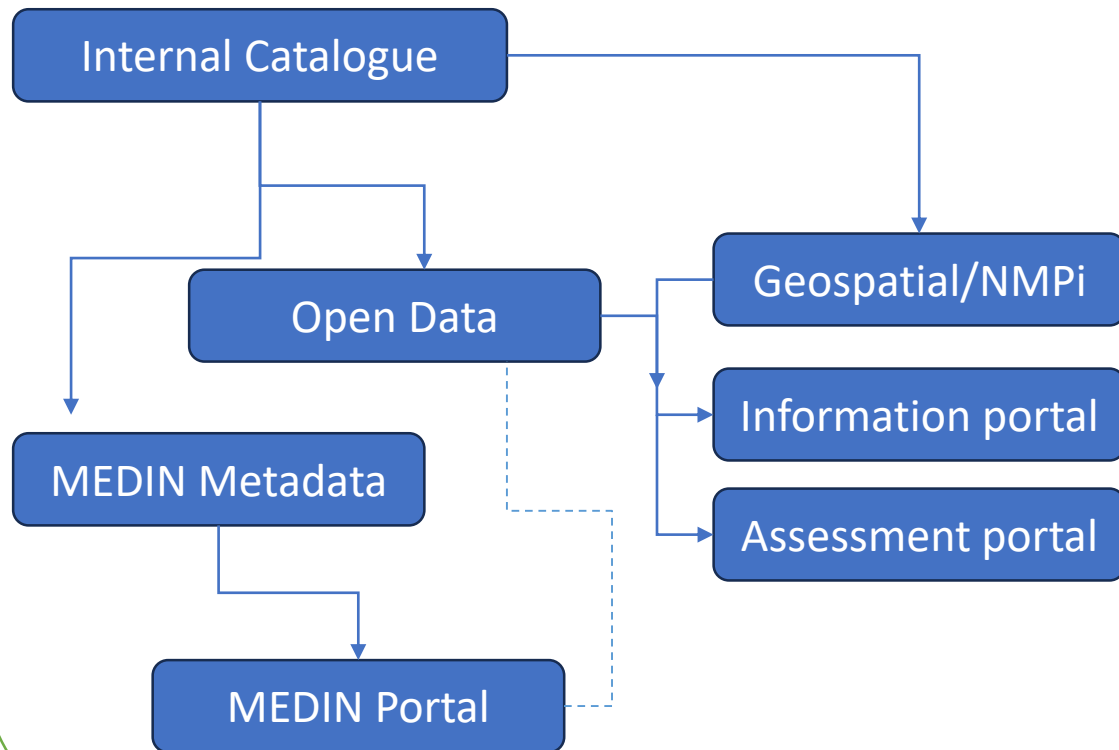**Workflow 1:** METADATA CATALOGUE → DATACITE XML EXPORT → DATACITE REGISTRATION → MSODN DATA PORTAL

Workflow 2: METADATA CATALOGUE → MEDIN XML EXPORT → MEDIN PORTAL → OCEAN INFOHUB

Workflow 3: METADATA CATALOGUE → MEDIN XML EXPORT → MSODN POrtal → DCAT Service → Find.data portal

Custodians Need "only" complete their metadata and focus on good organisation of their dataset.

AT A GLANCE

- 1,256 datasets described
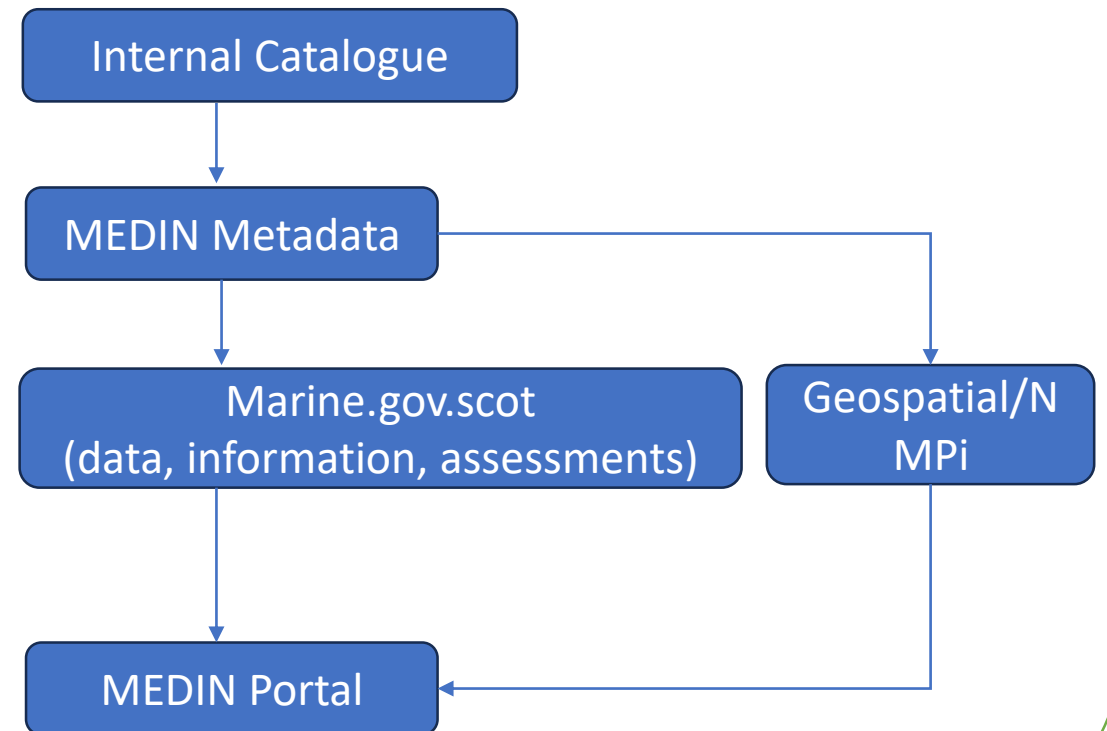- Covering 1858-2023
- 352 published as open data
- 385 flow to MEDIN

What's Next

gov.scot

- Consolidating platforms
- Enhancing MEDIN integration

What's Next

- Maintain focus on core mission:
  - Long term archive
  - Enhance reuse of data
  - Increase FAIR
- Continued alignment of standards
- Increased automation
  - Support workflows enhanced by ML+AI
  - Support new data themes (eDNA, socio-economic)