



Marine Spatial Data Infrastructure for Marine Spatial Planning



November 13th, 2019



Status - Metadata

- Metadata training material is available on DFO intranet website
- Intranet web site provide materials, forms, software, presentations and recorded WebEx sessions.
- Enable the staff we train to become the next trainers
- Support FGP/MSDI work

ENGLISH:

<http://intra.dfo-mpo.gc.ca/science/msdi-idsm/resources-ressources/index-eng.html>

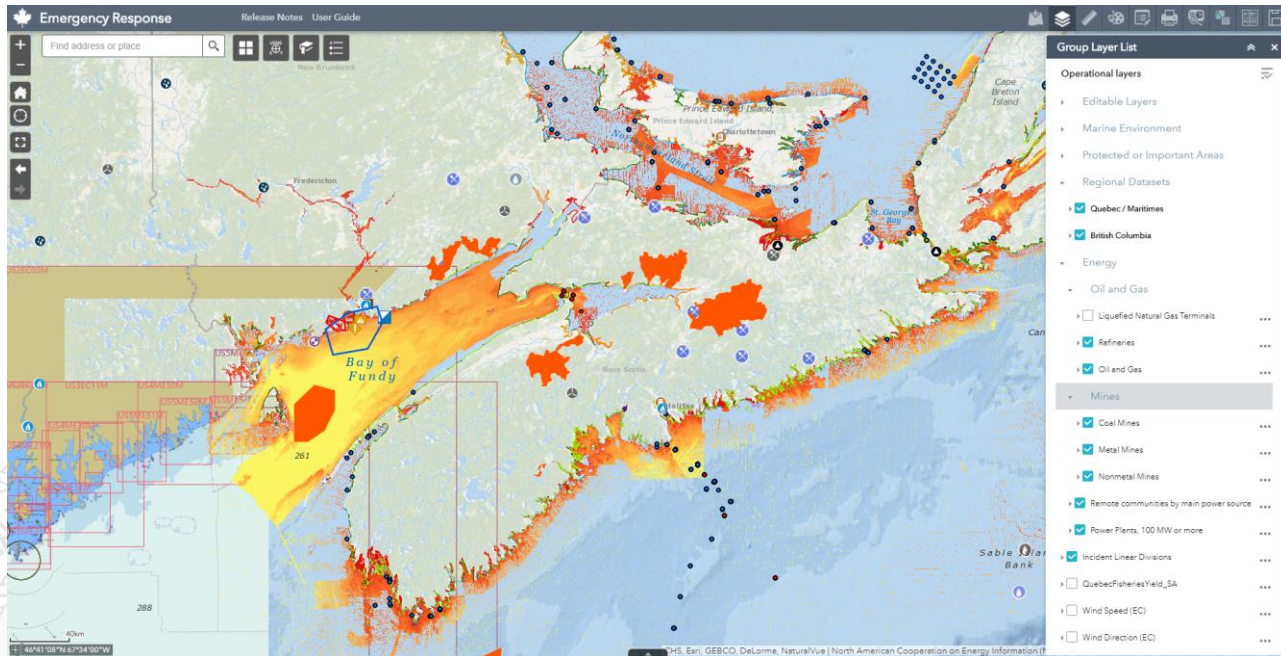
FRENCH:

<http://intra.dfo-mpo.gc.ca/science/msdi-idsm/resources-ressources/index-fra.html>

The screenshot shows the DFO Intranet website. At the top, there is a navigation bar with the Government of Canada logo and the text "Intranet – DFO and Coast Guard employees proudly serving Canadians". Below this is a secondary navigation bar with links for "Coast Guard", "DFO Regions", "DFO Sectors", "In the Loop", "DM Corner", "Internet", and "Contact us". The main content area is titled "Additional resources" and contains a list of resources for the MSDI project, including recorded WebEx presentations, PowerPoint presentations, and other documentation. A light blue banner highlights a download link for "Cisco WebEx Player". Below the banner are tabs for "Metadata", "MSDI", "FGP", and "Frequently asked questions". The "Metadata" tab is active, showing a section for "Training" with "Metadata 2018" and "Day 1 (recorded WebEx) | 26-03-2018" and "Day 2 (recorded WebEx) | 27-03-2018". Each day has links for "Part 1", "Part 2", "Part 3", and "Part 4". There is also a "Group photo" link. Under "Reference material", there is a link for "Metadata Forms and Examples (PDF, 1.79 MB)".



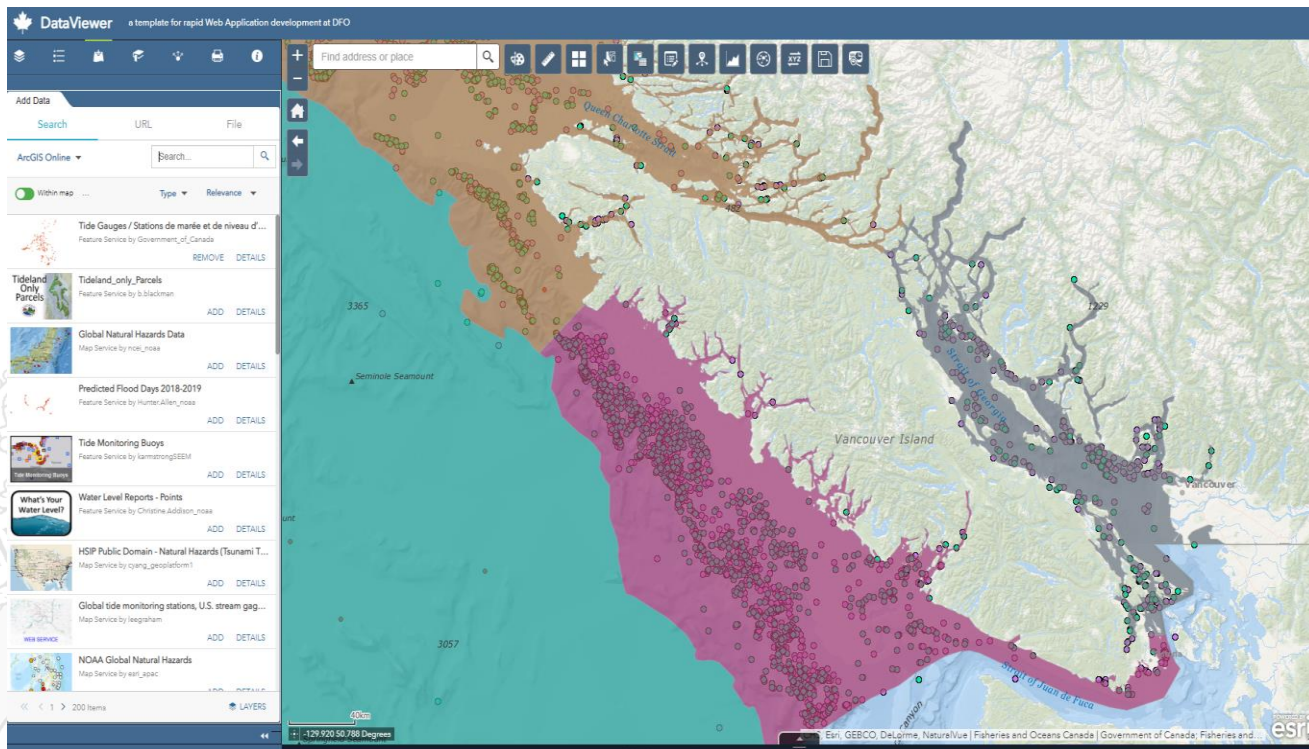
Status - Application Development



- An emergency response application to be used by our DFO Environmental Incident Coordinators.
- Key reporting widget for data dissemination
- Final approval confirmed



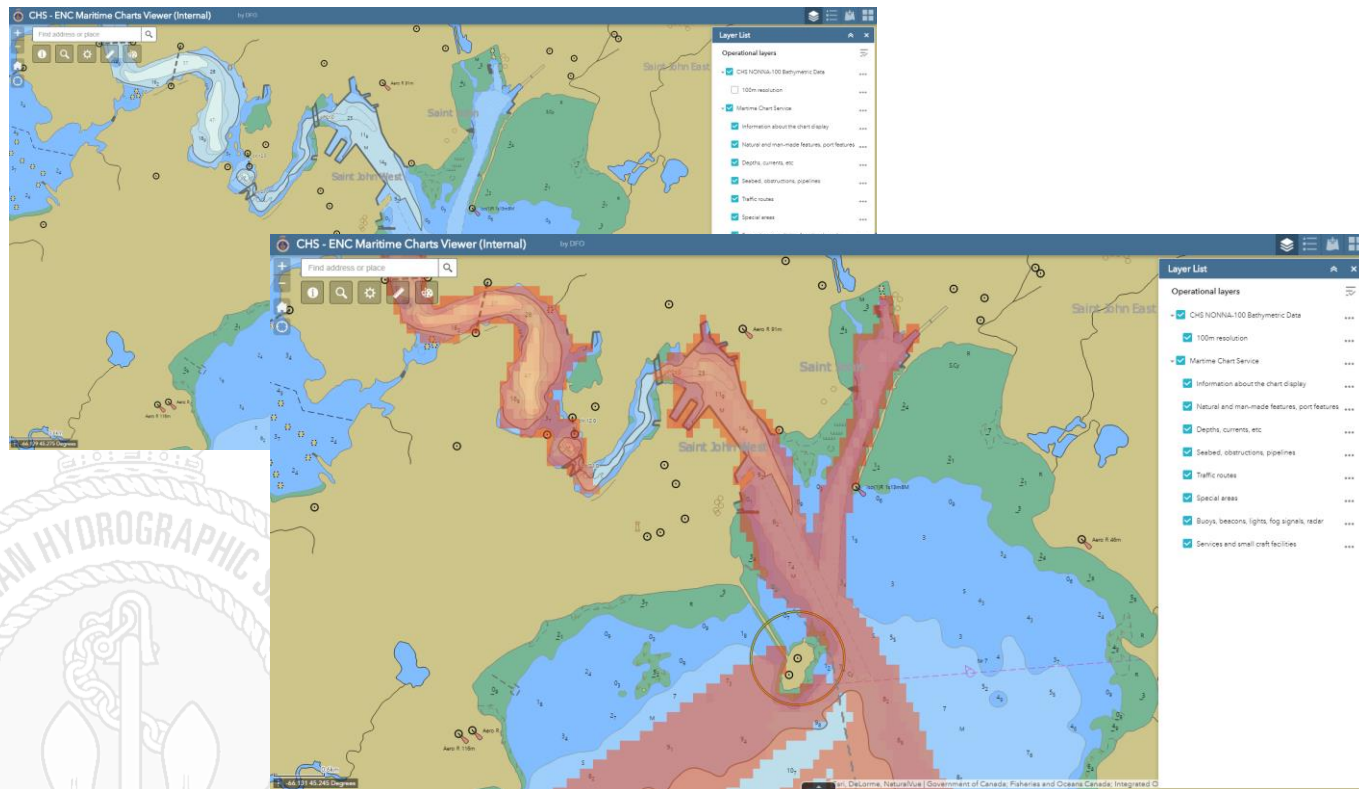
DFO Marine Data Viewer



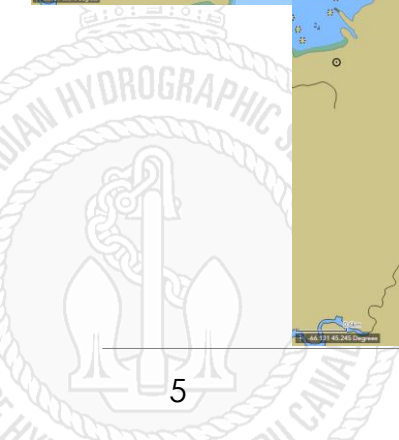
- A data viewer application for discovery & visualization of all DFO data.
- Currently being developed for internal DFO use.



CHS – ENC Maritime Charts Viewer



- A basemap layer accessible to the public (lower resolution) and within DFO (higher resolution).
- NONNA-100 implementation
- Final approval confirmed





MSDI Applications in Development



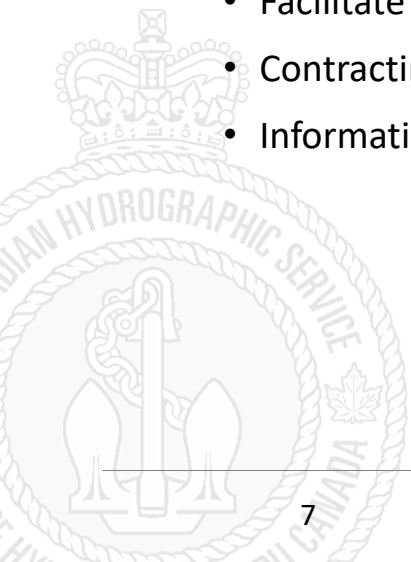
	Application Intake Form Received	Internal Review by Contractor	Demo to End Users	Feedback Period (From DFO)	BRD Preparation	User Acceptance Demo	Final BRD Approvals (By DFO application sponsor)
Marine Data Viewer	✓	✓	✓	✓	✓	In Progress	
Emergency Response	✓	✓	✓	✓	✓	✓	✓
Small Harbour (HAGW)	✓	✓	✓	✓	✓	✓	In Progress
Crowdsourcing (hazards)	✓	✓	✓	✓	✓	✓	In Progress
Indigenous Studies	✓	✓	✓	✓	✓	✓	✓
MCS50 Wind/Wave Hindcast	✓	✓	✓	✓	In Progress		



MSDI continues under MSP

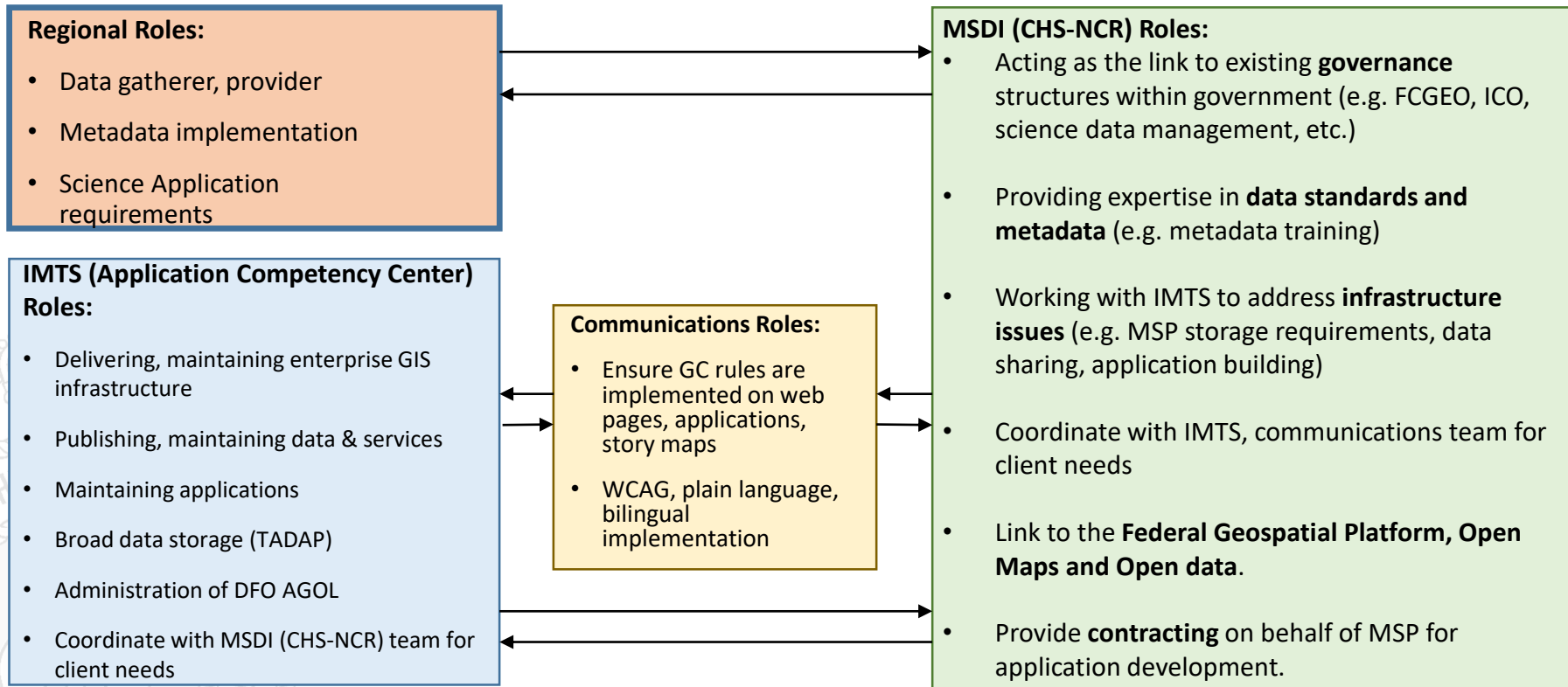
Opportunities:

- Publication of interactive bioregional marine atlases leveraging ArcGIS Online
- Storage of bioregional marine atlas data products (no storage solution for source data)
- Facilitate publication of atlas data (e.g. FGP, Open Maps & Open Data)
- Contracting for atlas development
- Information on how to publish data is offered through DFO Geospatial intranet webpage





MSDI under MSP roles

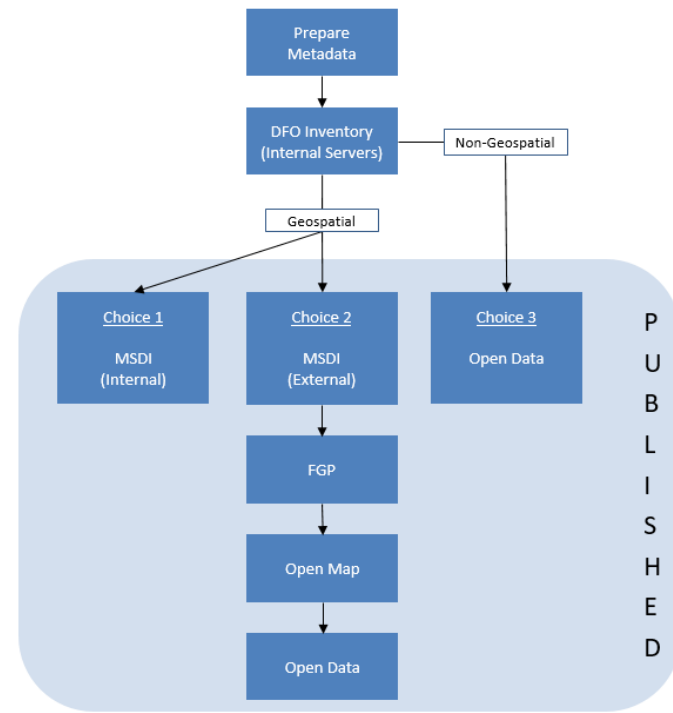




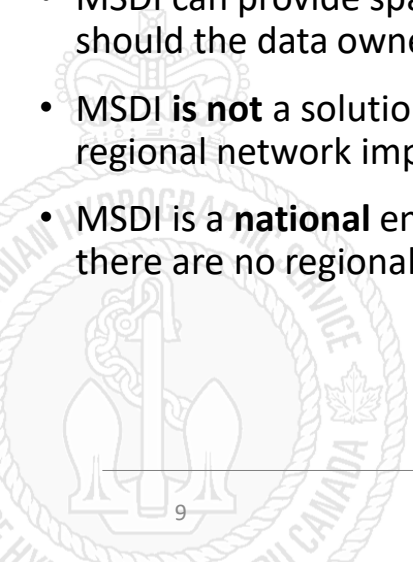
MSDI Data workflow

- Product data can be served on external platforms via MSDI servers
- Users must provide adequate metadata prior to submission (ISO 19115:2003 HNAP)
- MSDI can provide space for product data should the data owner not have room
- MSDI is **not** a solution for source data storage, regional network implementation
- MSDI is a **national** enterprise GIS approach; there are no regional streams within MSDI

Metadata Submission Streams



Data owners can choose how far down each stream they want to go & this can be modified in the future





Questions ?



For any questions please contact the MSDI team:

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