



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada



# S-131 Project Team Update

## IHO Governing Board

November 17th, 2023

Canadian Hydrographic Service – Service hydrographique du Canada

Canada



# S-131 Progress Overview

- API progress
- GUI progress
- Challenges
- Timeline





# API Progress

- Version 1.5.1: GeoJSON inputs, dataset creation/storage, GML/GeoJSON outputs
- Verification of GML outputs: ongoing
- Relationship attribution & enhanced validation: ongoing
- Singapore: data creation and digitizing





# API Upcoming:

- Collaboration with front end team
- Looking ahead:
  - support files
  - metadata
  - better dataset management

Datasets		^
GET	/addDataset/{datasetID} [DEV] add a new dataset	▼
GET	/delDataset/{datasetID} [LIVE] Delete a single dataset	▼
GET	/extractDataset/{datasetID} [LIVE] retrieve a dataset in standardised form from its identifier	▼
GET	/getDataset/{datasetID} [LIVE] Get an individual dataset	▼
GET	/listDataset/: [LIVE] List datasets	▼
GET	/modDataset/{datasetID} [DEV] modify an existing dataset	▼
GET	/validateDataset/{datasetID} [DEV] validate the contents of an entire dataset against the current feature catalogue.	▼



# GUI Progress:

## Client

### Resources:

- GIS files (.shp)
- Graphics, Text, HTML files
- GML (S-131 data model)



**Web-based GUI (Editor)**  
(+ available Web Map Services)

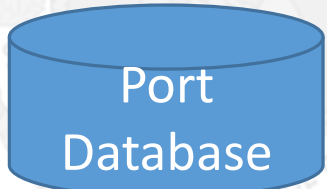
Extract/convert/edit/export

- Feature/attribute/geometry
- Information
- Association

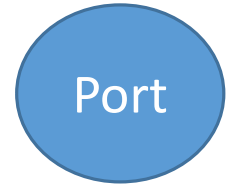


## Export :

- S-131 GML
- Support Files



S-131  
S-101

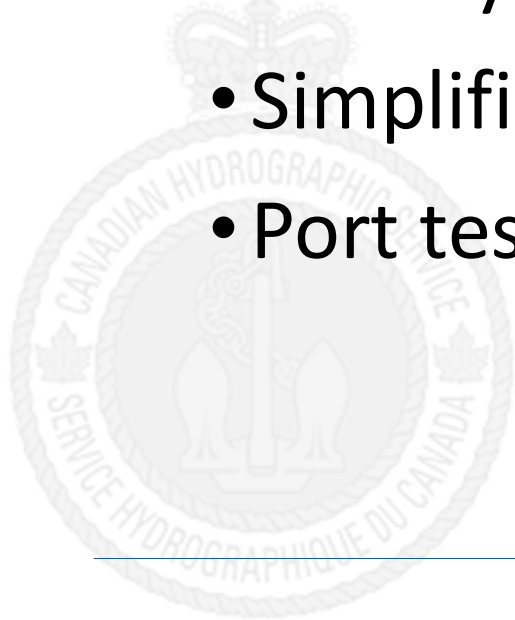


Port Guide  
E-Nav  
Services



# GUI Upcoming:

- Collaborate with back end & test integration
- Weekly meetings through October
- Simplified GUI option
- Port testing will determine suitability





# Challenges:

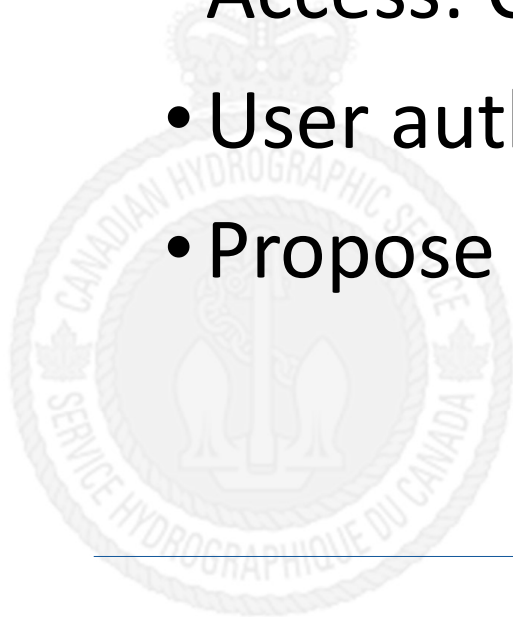
- GUI & API integration
- Three options:
  1. simplified NTOU GUI
  2. end Phase I with 2 options & refine GUI in Phase II
  3. fresh start





## Still To Come:

- Mid-December: port feedback on simplified GUI
- Access: Central vs satellite
- User authentication
- Propose Phase II beginning April 1<sup>st</sup>, 2024







Thank you.

QUESTIONS?

