



Natural Resources
Canada

Ressources naturelles
Canada

The Open Science and Data Platform

A Tool to Support the Regional Assessment of Offshore Wind in Newfoundland and Labrador

Jessica Coulson, Senior Advisor

Kelsea Deblois, A/Senior Impact Assessment Officer

Office of the Chief Scientist

Canada



Presentation Outline: Open Science and Data Platform

- Background and Status
- Curated Content Collections to support Regional Assessment
- Q&A and Discussion



Background and Status



The issue: Canadians want decisions on major projects to be based on robust science, evidence, and Indigenous knowledge in a transparent manner.



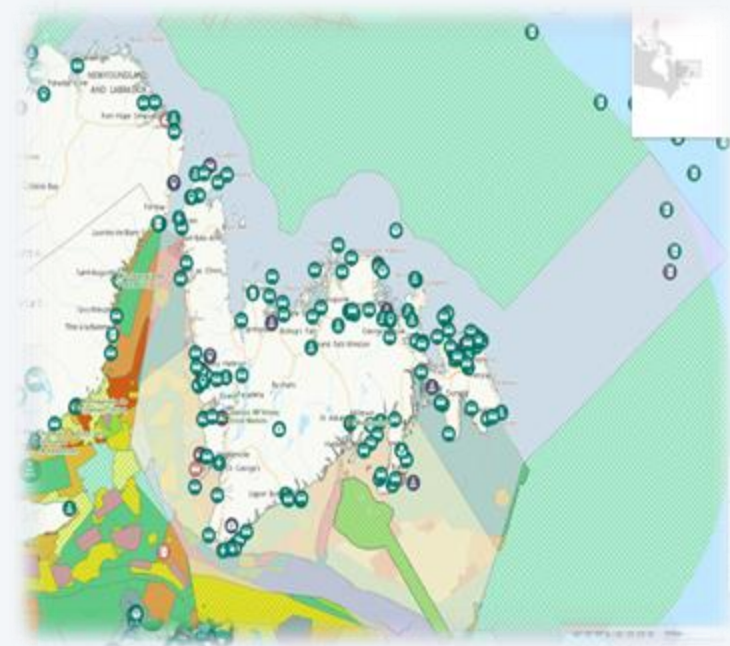
Our approach: Need identified to create an Open Science and Data Platform to integrate fragmented data and science products dispersed across government systems to better understand CE and uphold public trust.



Status: Since public launch in 2021 the Platform provides access to 170,000+ cumulative effects relevant records from f/p/t government sources.

A Tool to Support Cumulative Effects and Impact Assessment

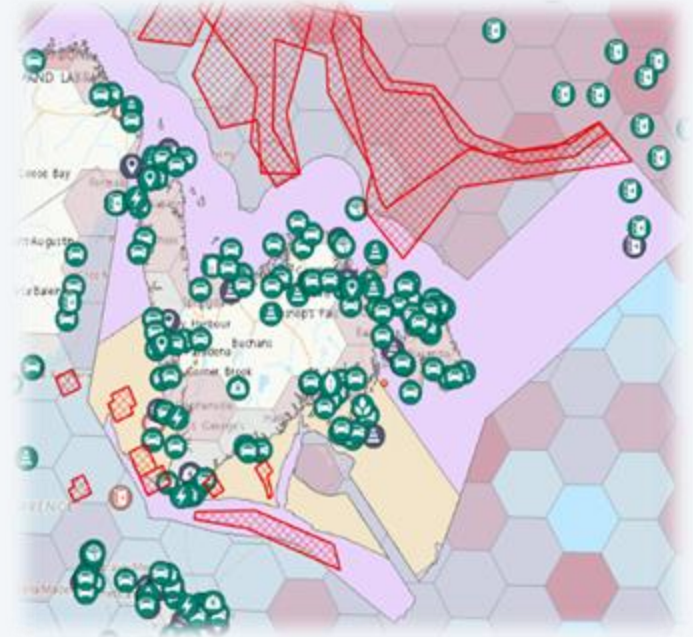
- Curated content collections in regions of interest:
 - Regionally relevant information to support assessment of CE
 - Created in collaboration with subject matter experts and regulators
- Current regional collections:
 - [Northern Ontario](#) (Ring of Fire RA)
 - [Atlantic Canada](#) (Offshore Wind Nova Scotia and Newfoundland and Labrador RAs)
 - [Western Canada](#) (Terrestrial Cumulative Effects Initiative)
 - [Abitibi Region](#) (Area of intensive mining development in ON/QC)



Screenshot with sample datasets from
Atlantic Offshore RA OSDP content
collection

Resources to Understand Potential Effects from Future Offshore Wind Development in Atlantic Canada

- Curated content collection created in collaboration with IAAC Newfoundland RA Secretariat and NRCan IA Division - fall 2024
- Includes datasets and scientific publications relevant to RA, can be enhanced over time
- Geospatial data can be layered to show a regional picture of CE in the region
- Examples of data and publications:
 - Preliminary Considerations Analysis of Offshore Wind Development in Atlantic Canada (NRCan)
 - Critical Habitat for Species at Risk (DFO)
 - Atlas of Seabirds in Eastern Canada (ECCC)
 - CE of Marine Shipping Pilot Areas (TC)



Screenshot with datasets from Atlantic Offshore RA OSDP content collection

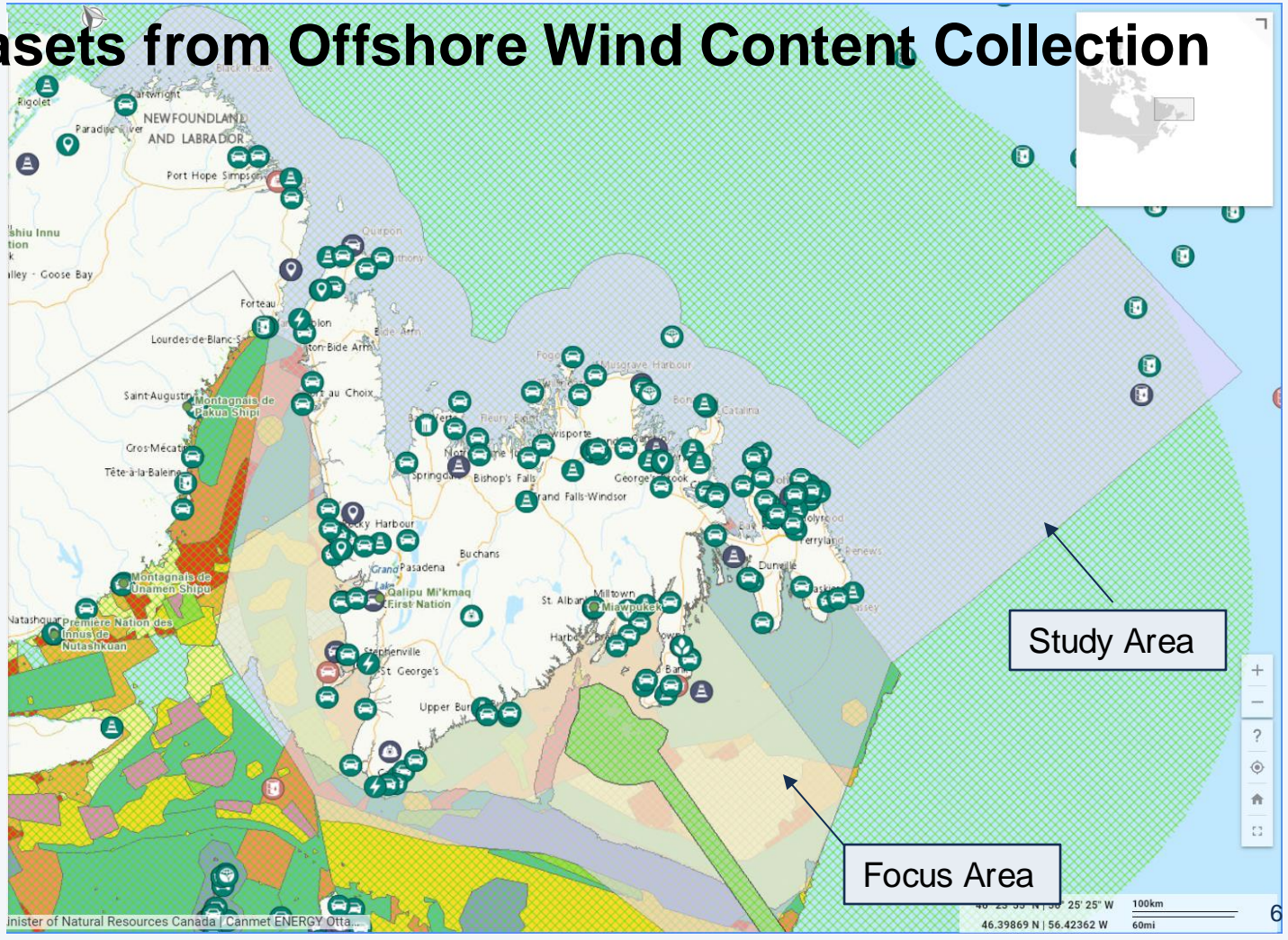
Example Datasets from Offshore Wind Content Collection

Layers

- First Nations Location
- Première Nation / First Nation
- Canadian Impact Asses...Inventory
- Completed
- In progress
- Terminated
- Focus Area for t1
- Focus Area for
- Study Area for t1
- Study Area for t1
- Fisheries and Oc
- DFO Aquatic Sp
- Preliminary Con
- Layer
- Saint-Pierre-et
- Study Area

Ecological

- Defined Ecological Areas
- AOI
- EBSA
- MPA
- OECM
- DFO SARA Critical Habitat
- SIBA
- Important Habitat
- Blue Whale
- Herring Fall Spawning Beds
- Herring Spring Spawning Beds
- Leatherback Turtle
- Migratory Bird Species at Risk
- Northern Bottlenose Whale
- Risk to Marine Birds
- Very High
- High
- Moderate



Open Science and Data Platform: A tool to support RA

- Diverse suite of content available
- Search by geographic region of interest or keyword
- Layer relevant geospatial data and explore scientific research and reports
- Curated content in regions of interest including Atlantic Offshore
- Tailored training offered to meet user needs
- Feedback appreciated to identify relevant content to onboard

The screenshot shows the top navigation bar of the Open Science and Data Platform website. It includes the Government of Canada logo and name in both English and French, a search bar for 'Search Canada.ca', and a 'MENU' dropdown. Below the navigation, there are buttons for 'What's new', 'Contact us', and 'Tell us what you think!'. The main heading is 'Open Science and Data Platform', followed by a descriptive paragraph: 'The Open Science and Data Platform provides access to science, data, publications and information about development activities across the country that can be used to understand the cumulative effects of human activities to support better decisions in the future.' Below this, there is a search section with the heading 'Start your search:' and a search box. To the right, there is a search by location section with the heading 'Search by location using the interactive map' and a button 'Explore by area'. There are two featured content cards: 'Learn about cumulative effects' with a landscape image and 'Learn about development activities' with an image of an industrial structure. At the bottom, there is an 'In the spotlight:' section with a list of links: 'What sets the Open Science and Data Platform apart from other federal 'open systems'?', 'Article: Curating Open Science and Data to better understand cumulative effects in regions of interest', 'New video: Take a quick tour of the Platform!', and 'New video: What are cumulative effects?'.

Thank you!



Visit the OSDP:

osdp-psdo.canada.ca/dp/en

Provide feedback:

www.surveymonkey.ca/r/Y2ZW5K8

Tell us what you think!

Contact the OSDP team:

osdp-psdo@nrcan-rncan.gc.ca