



Update May 2009

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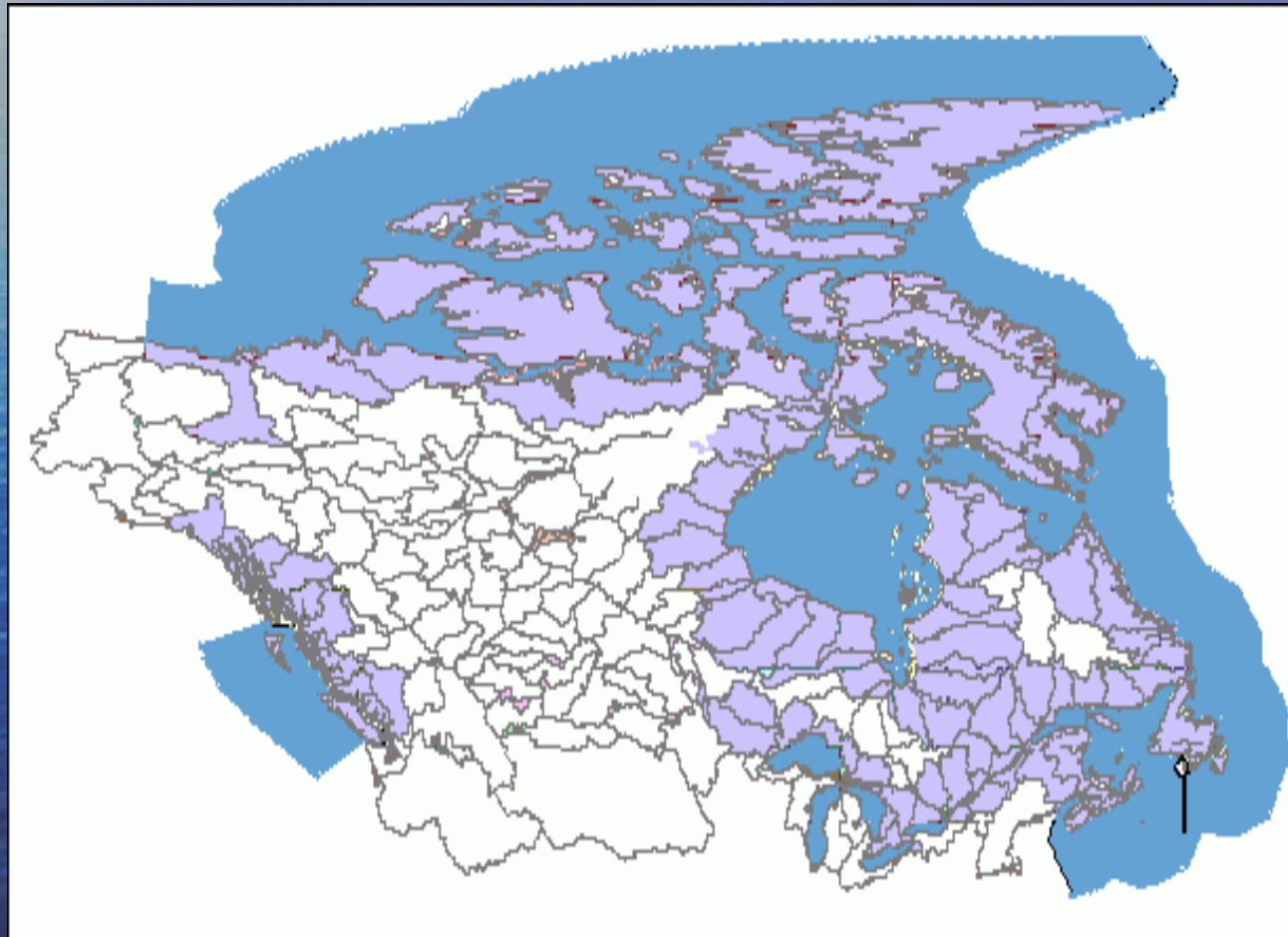
- Coastal and Ocean Information Network for Atlantic Canada
- Network of People, Information and Technology
- Working to support integrated coastal and ocean management (ICOM)

The ICOM Challenge

- Need information concerning land, freshwater and saltwater
- Need information concerning both environmental and socio-economic conditions
- Need to find and use information from many agencies, groups and individuals

Canada's Coastalshed

– land and water –
No one agency can do it all



What COINAtlantic is NOT

- Not a portal or a data warehouse
 - It doesn't house any data.
- Not a GIS or a refined mapping engine
 - It doesn't allow data manipulation or complex analysis.

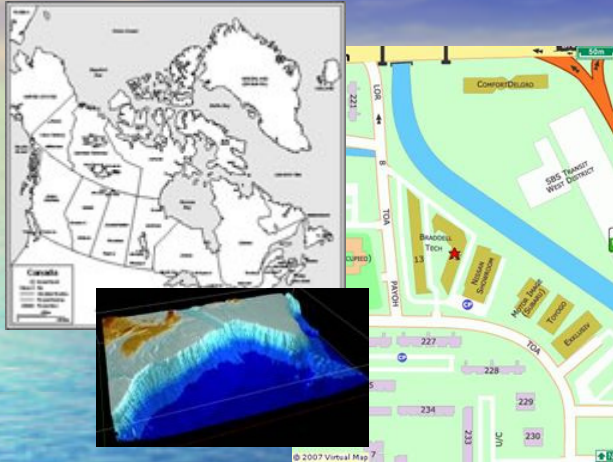
What COINAtlantic is

- COINAtlantic is a Utility or tool.
- COINAtlantic is a component of the Canadian Geospatial Data Infrastructure (CGDI).
- COINAtlantic is accessible via common web browsers (Internet Explorer and Firefox)
- COINAtlantic uses:
 - The established GeoConnections Discovery Portal (GDP) metadata catalogue
 - Established standards for map publishing (WMS / WFS)

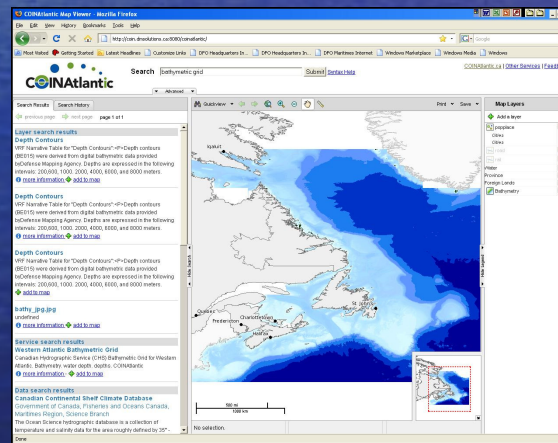
What COINAtlantic can do

- Search by text and geography
- Find any data registered on the GDP
- View available map images
- Overlay information from many sources
 - Land, coastal and marine
 - Federal, provincial, municipal, NGO, etc.
- Produce map images for publication in reports and other documents

COINAtlantic Approach: A Network of People, Information and Technology



**People committed to
sharing information**

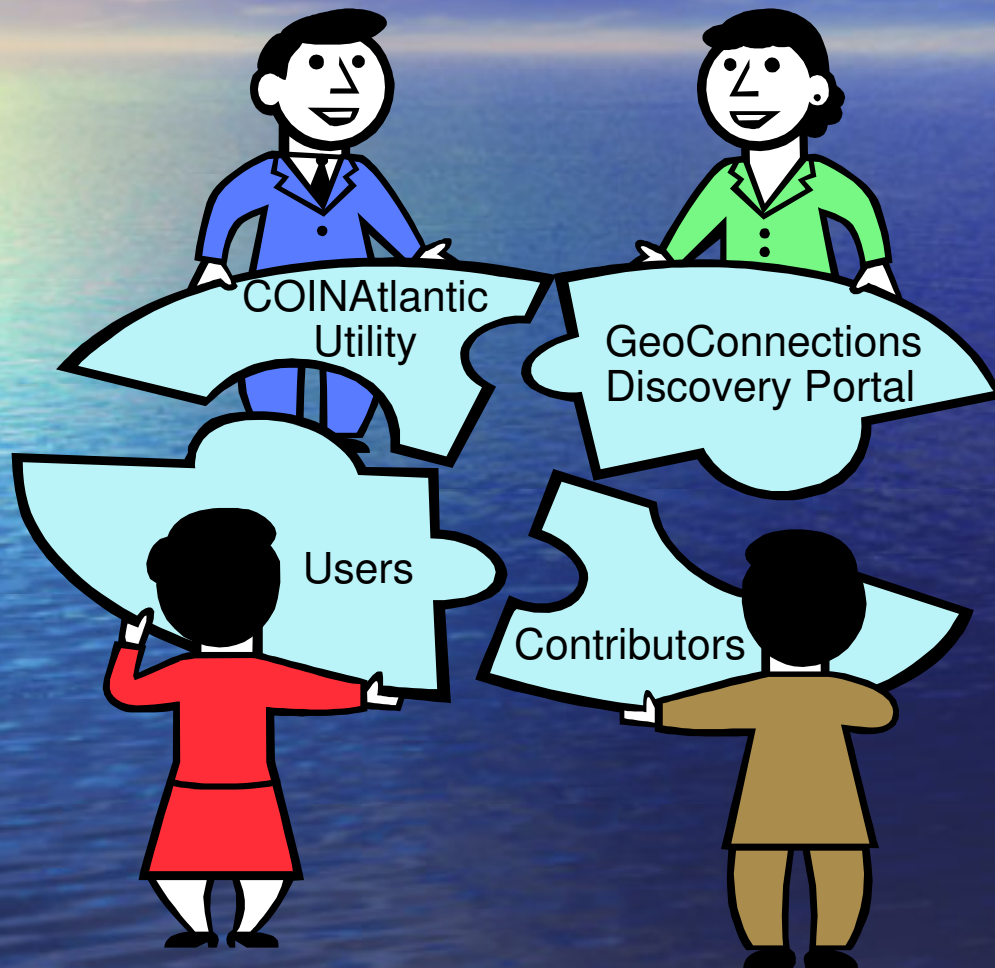


**COINAtlantic
Utility via
common web
browsers**



Users

Essentials



Data providers must:

- Publish data
- Register it on GDP
- Maintain and update

COINAtlantic Users must:

- Try it
- Learn how to use it
- Provide feedback
- Keep in touch

COINAtlantic in the Future

User

COINAtlantic User Interface

COINAtlantic Web Mapping Search Application

WMS/WFS Information Sources

Source 8
Source 7
Source 6
Source 5
Source 4
Currents
Land Use
Bathymetry

GDP (Metadata)

Applications

Etc
Source 5
Source 4
Source 3
Pollution
Coastal Flooding

Laws and Policy

Etc
Doc 3
Doc 2
Doc 1

Primary Publications

Etc
Pub. 3
Pub. 2
Pub. 1

Grey Literature

Etc
Pub. 3
Pub. 2
Pub. 1

Potential searches based on:

- Area of interest
- Issue to be addressed
- Data layers identified by User

COINAtlantic Utility Demo

The screenshot displays the COINAtlantic Map Viewer interface within a Mozilla Firefox browser window. The browser's address bar shows the URL <http://coin.dnsolutions.ca:8080/coinatlantic/>. The search bar contains the text "bathymetric grid".

The interface is divided into several sections:

- Search Results:** Located on the left, it shows search history and results for "bathymetric grid". The results include:
 - Layer search results:** Three entries for "Depth Contours" with descriptions of VFP Narrative Tables and bathymetric data intervals (200,600, 1000, 2000, 4000, 8000, and 8000 meters).
 - bathy.jpg.jpg:** An undefined image result.
 - Service search results:** "Western Atlantic Bathymetric Grid" from the Canadian Hydrographic Service (CHS).
 - Data search results:** "Canadian Continental Shelf Climate Database" from the Government of Canada, Fisheries and Oceans Canada, Maritimes Region, Science Branch.
- Map View:** The central area shows a bathymetric map of the Atlantic Ocean, with depth contours represented by shades of blue. Major cities like Quebec, Fredericton, Charlottetown, and Halifax are labeled. A scale bar indicates 500 miles and 1000 kilometers.
- Map Layers:** Located on the right, it lists various map layers such as "place", "Cities", "Road", "Rail", "Water", "Province", "Foreign Lands", and "Bathymetry". The "Bathymetry" layer is currently selected and checked.

Available online from <http://COINAtlantic.ca>

Other Deliverables

- Introduction to Geomatics training
 - 9 sessions in Atlantic Canada
 - Curriculum developed for other opportunities
 - BoFEP Workshop, May 28th, Wolfville
- Third Party Evaluation
- Next Steps Workshop
- Funding Proposals under Development
- Tracking Records

Sample Tracking Record - April 2009

WMS URL	Layer Title	Count
http://gdr.ess.nrcan.gc.ca/wmsconnector/com.esri.wms.Esrimap/multibeam_bathymetry?SERVICE=WMS&		118
	<i>Natural Resources Multibeam Bathymetry Service</i>	
	<i>Yarmouth Harbour 2003, Gulf of Maine, offshore eastern Canada</i>	8
	<i>Bathymetry of Offshore Canada, derived from ETOPO2 and Canada 3D Data</i>	7
	<i>Halifax Harbour 1990 - 2002, Scotian Shelf, offshore eastern Canada</i>	6
http://142.176.62.108/cgi-bin/mapserv.exe?map=d:\\ms441oci\\maps\\NS_TOPO_10000.map&SERVICE=wms		37
	<i>GeoNova 1:10,000 Topographic data</i>	
	<i>NS_TOPO_10000</i>	9
http://bluefin.mar.dfo-mpo.gc.ca/wmsconnector/com.esri.wsit.WMSServlet/DFOGfs_SUMMER?SERVICE=WMS&STYLES=&		18
	<i>Department of Fisheries and Oceans, Science, Summer Groundfish Data</i>	
	<i>Melanostigma atlanticum [Atlantic soft pout: molasse atlantique]</i>	1
	<i>Gadus morhua [Atlantic cod: morue franche]</i>	2

Future ?

- GeoConnections Data Publishing
- COIN Marketing Study
- Windows-of-opportunity
- Outreach and training
- ACZISC Secretariat and member support



Keep in touch

- Email:
 - COINAtlantic@dal.ca
- Website: **<http://COINAtlantic.ca>**
 - COINAtlantic Utility
 - Video, tutorial and other support material
 - Link to FaceBook Group
 - This presentation