

# ***COINAtlantic - Coastal and Ocean Information Network for the Atlantic***

Presented at the Workshop:  
**USING METADATA STANDARDS TO  
ACHIEVE DATA INTEROPERABILITY**

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*<http://aczisc.dal.ca>*

## ***What is the ACZISC ?***

- **Atlantic Coastal Zone Information Steering Committee**
- **Established in 1992**
- **Membership is multi-disciplinary and multi-sectoral**
  - **Currently four Atlantic Provinces, eight federal departments and agencies, community organizations, NGOs, the private sector and academia**

## ***The ACZISC Focus***

**To promote regional cooperation  
in Atlantic Canada with regards to  
coastal mapping, geomatics  
and Integrated Coastal and  
Ocean Management (ICOM)**

## ***What is COINAtlantic?***

- **A structure to access and share data and information and to provide open access to regional data and information within the Canadian Geospatial Data Infrastructure (CGDI)**
- **An information resource, maybe a portal, focussed on the information needs of the Integrated Coastal and Ocean Management (ICOM) Community of Practice (CoP)**

## ***What is COINAtlantic?***

- **Collaboration between regional observatories, portals and other data providers and COINAtlantic, maybe with formal agreements, to ensure sustainability**
- **Users from the ICOM Community of Practice to keep COINAtlantic relevant and useful to their needs**

# ***The Regional Observatories***

COINPacific

Neptune

NW Atlantic  
Observatory/  
Placentia Bay/  
Bonne Bay

Observatoire  
Saint-Laurent

COIN  
Atlantic

Great Lakes  
Observatory  
System

GoMOOS



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Pointer 58°58'09.87" N 90°25'39.55" W

Streaming ||||| 100%

Eye alt 2932.98 mi

## ***COINAtlantic Benefits (Logic Model)***

<b>Final Outcomes</b>	<b>Intermediate Outcomes</b>	<b>Immediate Outcomes</b>	<b>Outputs</b>
<ul style="list-style-type: none"> <li>• <i>long term</i></li> <li>• <i>a social / economic benefit or change in behaviour</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>medium term</i></li> <li>• <i>changes in attitude</i></li> <li>• <i>outside the direct control</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>short term</i></li> <li>• <i>under the control</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>tangible products</i></li> </ul>
Increased confidence of coastal stakeholders in coastal management decisions	Coastal stakeholders acknowledge...	Coastal stakeholders are aware...	User requirement documentation User benefit packages Prototype project
Increased competitiveness of enterprises through efficient and certain management regimes	Enterprises acknowledge...	Coastal managers are committed to use...	User agreements Service level agreements Web-based services Co-ordination services
Increased national and international competitiveness of marine geomatics enterprises	Enterprises increase their capacity...	Enterprises are committed to invest...	Business case Web-based services and tools Value-added services Project proposals

# ***COINAtlantic Challenges***

**Challenges to sharing data and information are organisational or attitudinal in nature and not technical. They include:**

- **restrictive policies on use, licensing and pricing**
- **data owner / provider attitudes related to misuse or misinterpretation of data and information**
- **loss of competitive advantage**
- **cost of new technology and the need for training**
- **legislation**
- **quality assurance and liability**

# ***COINAtlantic Challenges***

- **Authoritative sources vs Web 2.0, e.g. Britannica online vs Wikipedia?**
- **Best method to deliver to decision-makers?**
- **Google Map challenge e.g. gazetteer for oceans?**
- **Disconnect / gap between terrestrial and ocean data**
- **Aligning with IM priorities of the Oceans Action Plan**
- **Can COINAtlantic contribute to the resolution of conflicts?**
- **Can COINAtlantic contribute to business competitiveness?**

# ***COINAtlantic Challenges***

- **Data sharing agreements**
- **Government policies on data sharing / cost recovery**
- **Becoming part of the bigger picture e.g. Canadian Geomatics Accord, Inter Agency Committee on Geomatics (IACG)**
- **How can COINAtlantic contribute to the national picture?**
- **Location and sustainability of the physical infrastructure to run COINAtlantic?**
- **Geographic scope of COINAtlantic Version 1.0 as proof of concept?**

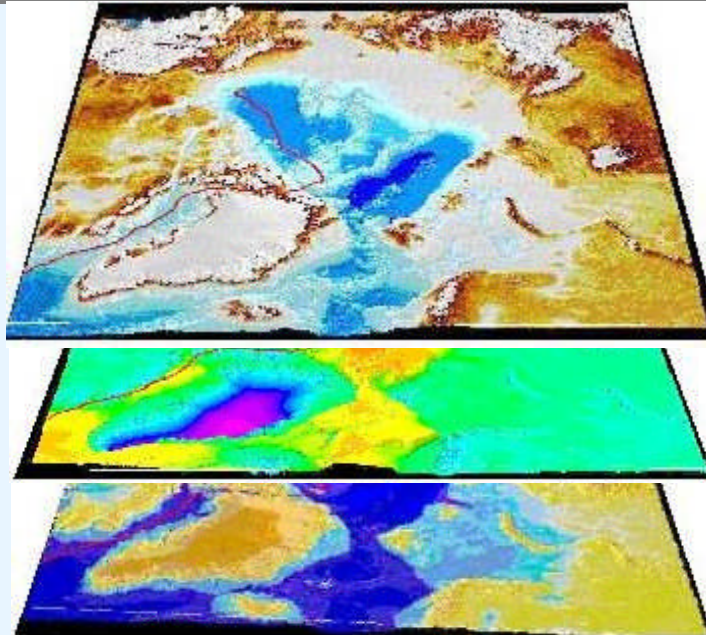
## ***Next Steps***

- **Commitment of few key partners *i.e.* those with the mission critical need / mandate for ICOM**
- **Commitment of a few key data providers *i.e.* the critical data layers for ICOM**
- **Prepare a proposal with GeoConnections to move COINAtlantic forward**

# COINAtlantic

## Stakeholder Information

Endangered species  
Hydrographic Charts  
Facilities information  
Marine habitat  
Geological mapping,  
(aggregates, gas hydrate  
etc)  
Climatology  
Seabed classification  
Marine Archaeology



## Framework information

Bathymetric base  
GPS & navigation  
Seismic Surveys  
Disposition (leases,  
tenures, licences, etc.)  
Administrative areas  
Satellite imagery  
Tide and Current  
Magnetic and gravity data  
sub bottom profiles

## Foundation information

Spatial, Temporal, and Administration Reference  
e.g., Geodetic control, Tidal Model, Seamless Hydrographic Datum

Key types of information that must be made accessible to all  
members of the coastal and ocean community via COINAtlantic