



Challenges of a Dynamic Ocean Use Atlas

Norval Collins, MCIP
CEF Consultants Ltd
Halifax, Nova Scotia



User Survey

- ◆ In March 2005 Fisheries and Oceans Canada funded a survey of potential data providers and users
- ◆ Interviews included types of data holdings, metadata, experience in dynamic data sharing, and concerns



Purpose of Study

- ◆ To identify the needed information and the associated data links that will contribute to the establishment of a dynamic ocean use atlas for the Scotian Shelf

A photograph of the Golden Gate Bridge at night, illuminated against a dark blue sky and water. The bridge's towers and suspension cables are visible, creating a strong silhouette effect. The lighting is dramatic, with the bridge's lights reflecting on the water below.

Findings

- ◆ Most agencies only have experience with internal data sharing
- ◆ Many, but not all, have metadata ready
- ◆ Virtually all database systems could be accessed externally for updates

A photograph of the Golden Gate Bridge at night, illuminated against a dark blue sky. The bridge's towers and suspension cables are visible, and the water below is dark. The image serves as a background for the text.

Key Examples

- ◆ OBIS is a large central repository of global biodiversity data with internet updates
- ◆ GeoNOVA provides policy and architecture for sharing of geospatial data within Nova Scotia
- ◆ INNAV is a large central repository of commercial shipping data shared dynamically

A photograph of the Golden Gate Bridge at night, illuminated by city lights, with a dark blue sky and water in the background. The bridge's towers and suspension cables are visible, extending from the left side of the frame towards the center.

Sharing Agreements

Should include:

- ◆ Updating of metadata
- ◆ Sustainability of data provision over time
- ◆ Representation of data
- ◆ Frequency of updates
- ◆ Data format
- ◆ Access restrictions



Moving Forward

- ◆ Discussion with data providers should be undertaken to review any issues and foster continued support for dynamic sharing



For further information, contact:

Norval Collins, MCIP
CEF Consultants Ltd
Halifax, Nova Scotia

Tel 902-425-4802

Email ncollins@cefconsultants.ns.ca