SLGO
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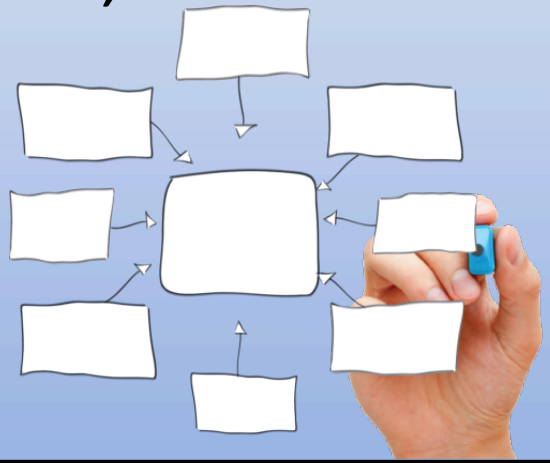
Working within the Ocean Data Life Cycle

Community of Practice

Alexandre Brassard Desjardins

SLGO created in 2005 by a broad network of:

- Federal and provincial governments,
- Universities
- Research institutes
- NGOs.



SLGO is a unique web portal in Canada

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MISSION

To promote integration, **sharing** and data **dissemination** from multiple partners in order to **facilitate access, use and re-use of scientific data and information in areas such has:**

- Integrated ecosystem management
- Coastal development
- Sustainable use of natural resources
- Fisheries
- Navigation
- Security

Access – sharing – dissemination – added value

MEMBERS OF SLGO

Fisheries and Oceans Canada | Pêches et Océans Canada

Environment Canada | Environnement Canada

Forêts, Faune et Parcs Québec

UQAR SMER
Université du Québec à Rimouski
Institut des sciences de la mer de Rimouski

Canada Economic Development for Quebec Regions | Développement économique Canada pour les régions du Québec

Agriculture, Pêcheries et Alimentation Québec

merinov
CENTRE D'INNOVATION DE L'AQUACULTURE ET DES PÊCHES DU QUÉBEC

UQÀM

ROBVQ
Regroupement des Organismes de Bassins Versants du Québec

Économie, Innovation et Exportations Québec

PORT MONTRÉAL

STRATÉGIES Saint-Laurent

Zone d'intervention prioritaire du LAC SAINT-PIERRE

INRS
Université d'avant-garde

ROMM
RÉSEAU D'OBSERVATION DE MAMMIFÈRES MARINS

UNIVERSITÉ LAVAL

Canadian Space Agency | Agence spatiale canadienne

Institut maritime du Québec
Cégep de Rimouski

Inrest

UNIVERSITÉ DU QUÉBEC À TROIS-RIVIÈRES
UQTR

crbm
centre de recherche sur les biotechnologies marines

PARC de la Rivière-des-Mille-Îles

CERMIM
Centre de recherche sur les milieux insulaires et maritimes
Affilié à l'UQAR

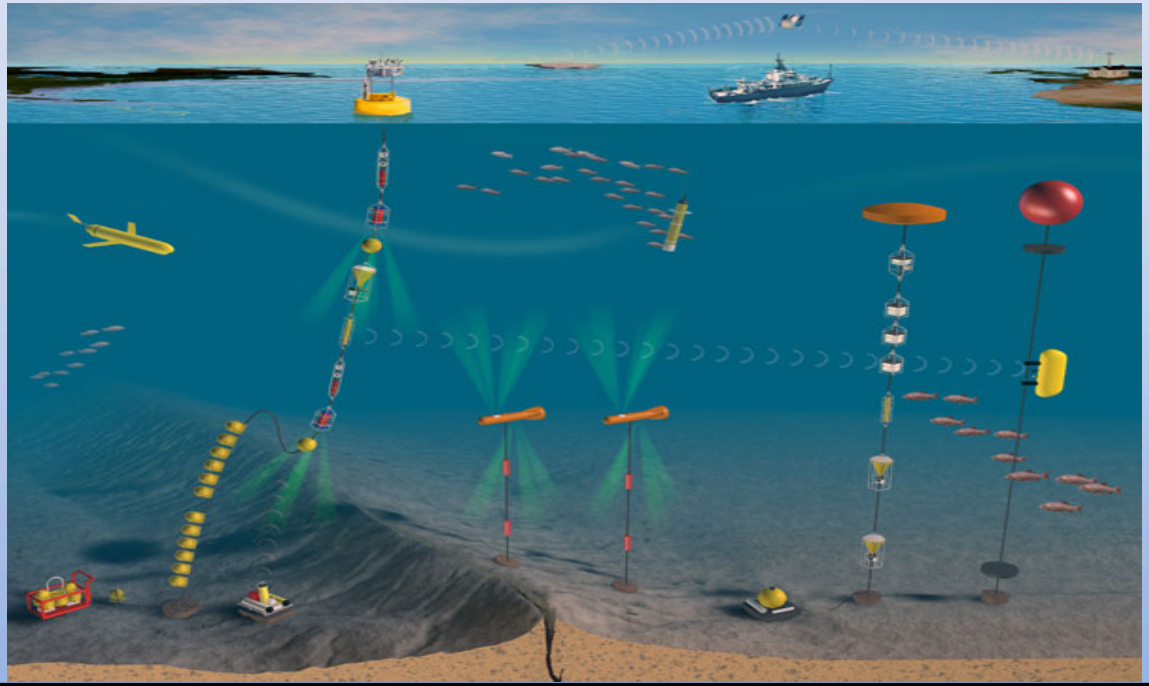
NERACOOS - IOOS
INTEGRATED OCEAN OBSERVING SYSTEM

Technopole Maritime du Québec

AMQ
ASSOCIATION MARITIME DU QUÉBEC

CIDCO

Members collecting all types of data



How we work with our members

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Partners data base

Research centers

Provincial Governments

Federal Governments

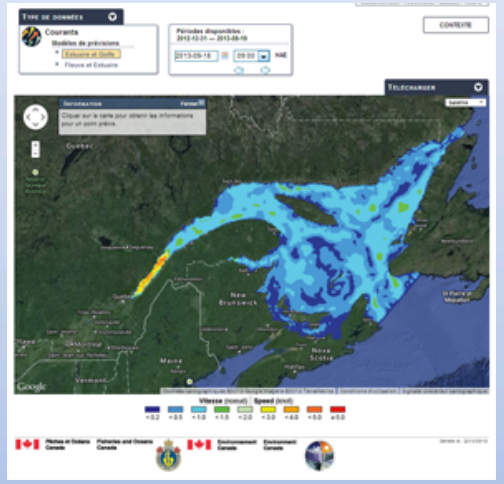
Universities…

Web Services

Access to data

Integration

SLGO.ca



End users

How we work with our members ?

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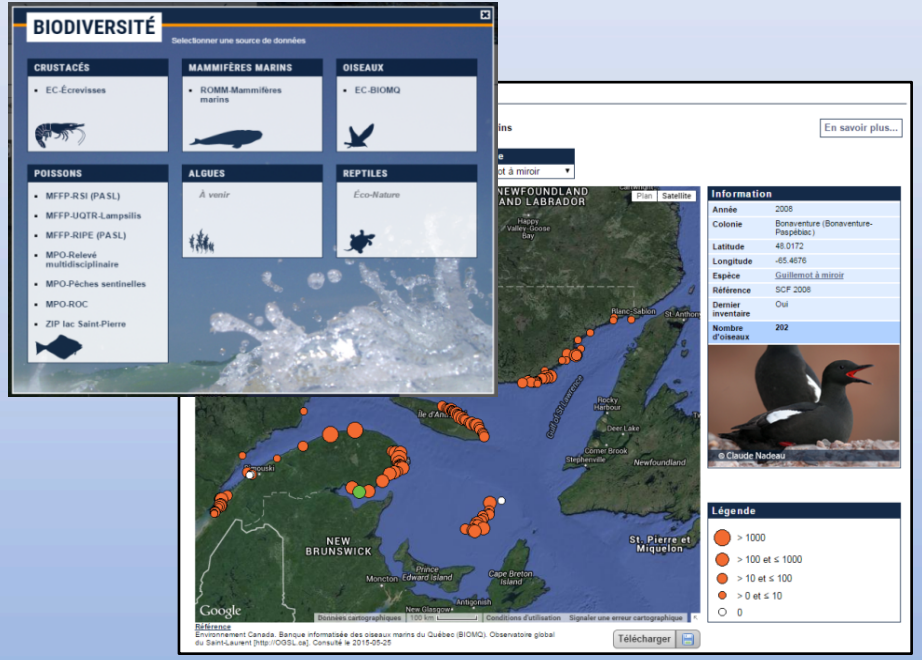
Part 1 : Data Integration and Continuous Quality Control

- Members do not always possess great technological resources
- Necessity to adapt to the given data
- Properly archiving data into our own infrastructure
- Using data visualization to do continuous quality control
- Cooperating with our members along the way



Integrated access to data regarding the presence, abundance and distribution of living species of the river estuary and the St. Lawrence Gulf.

Fisheries and Oceans Canada / Pêches et Océans Canada

Environment Canada / Environnement Canada

Forêts, Faune et Parcs Québec

Zone d'intervention prioritaire du LAC SAINT-PIERRE

ROMM Réseau d'observation de mammifères marins

Example : Biodiversity data

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Part 2 : Restricting Access to Data

- Members can have sensitive data
- Giving access only to specific individuals/groups
- Different access levels
- Ensuring security throughout the infrastructure
- Integrate social login into a traditional login infrastructure

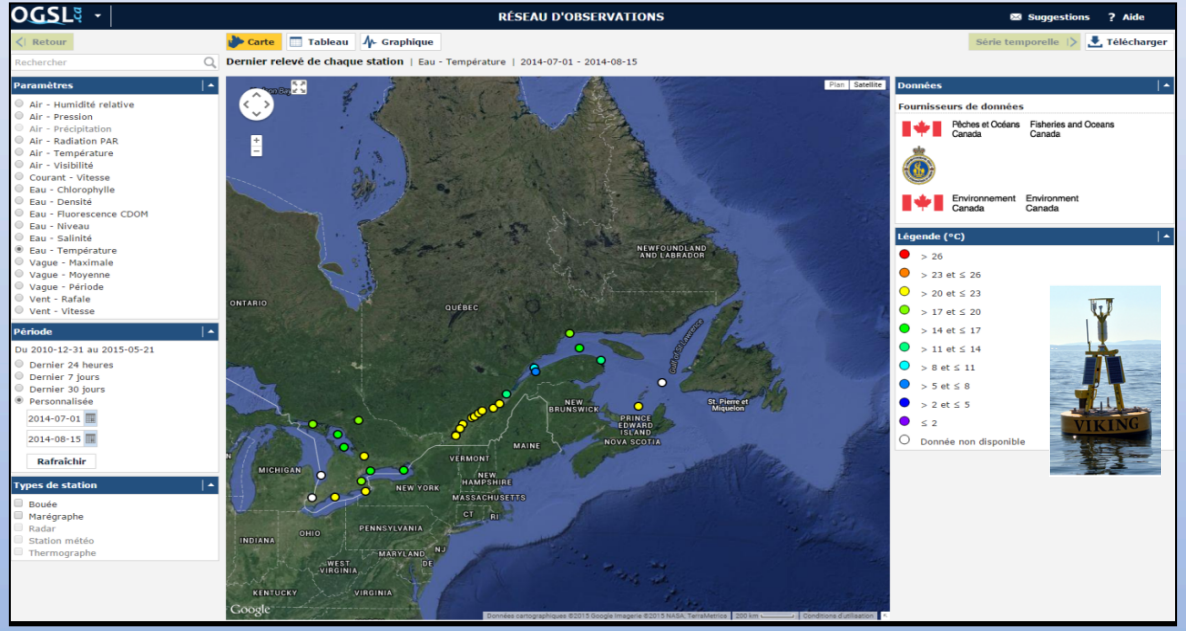
Part 3: Data Dissemination and Visualization

- Importance of comprehensible and user friendly data visualization
- Showcasing data in different ways
- Integrating new features in an existing web application

Observations network

Archive data and real time data from:

- Buoys
- Tide gauges
- Thermographs
- Weather stations
- High frequency radar



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Environment Canada | Environnement Canada

Example : Physical data

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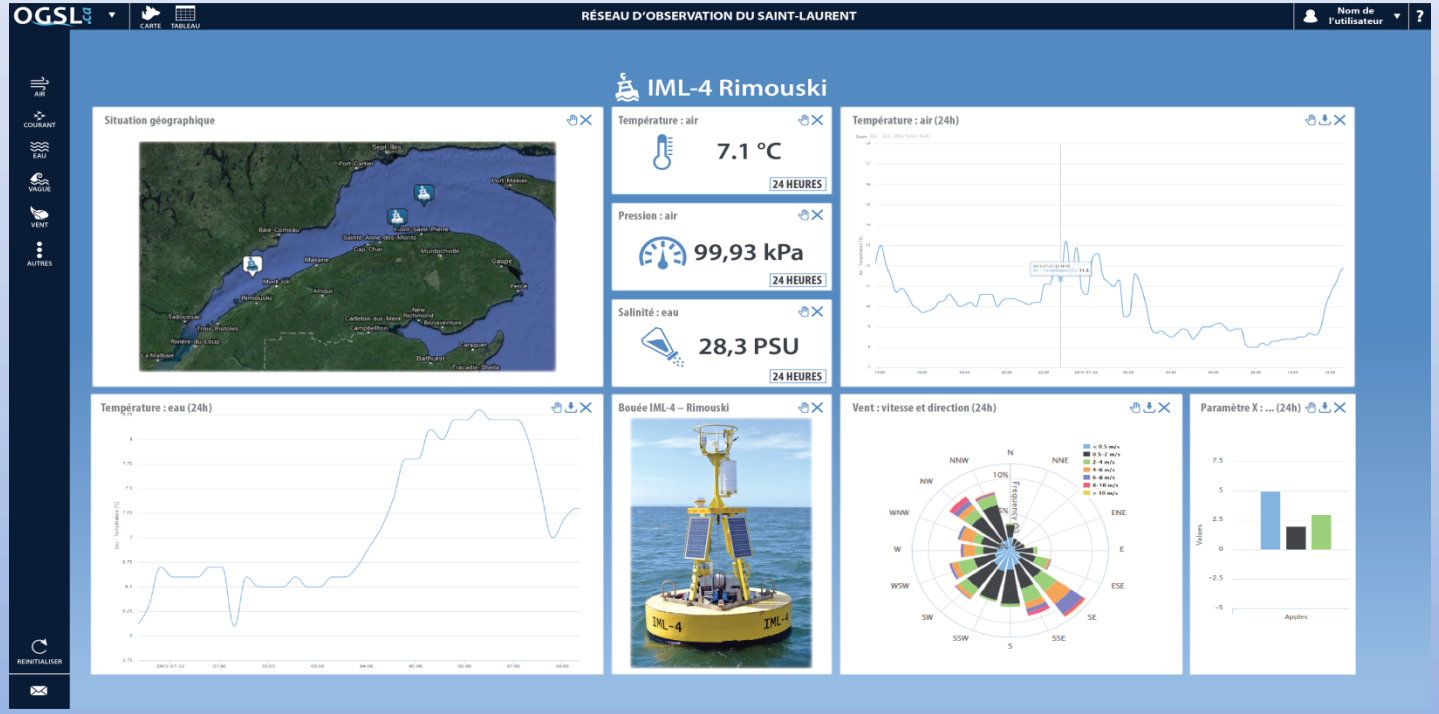
Observations network



Dashboard

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How did my work contribute to making things better for ocean data?

- By making data accessible and ensuring its quality
- By making data discovery easy
- By controlling data access
- By improving data visualization

Collaboration & involvement

Thank you