

THE OBSERVATORY

SLGO - FIRST INTEGRATED OCEAN OBSERVING SYSTEM IN CANADA



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Open Data Catalog

On June 13th, SLGO proudly launched online its new data catalog: the SLGO Catalog. Being now in the open data era, the creation of the catalog comes into play at a key moment, when open access to data becomes more meaningful than ever.

Cataloging and archiving allows SLGO to increase the number of services offered to its members.

For example, it is now possible to integrate in the catalog a wide variety of file formats (pdf, word, excel, shp, html, etc.). The metadata associated with the resources is clearly identifiable or downloadable, allowing robust management of databases. The catalog allows to preview several types of data, such as tabular files, or a spatial representation when coordinates are available. The SLGO Catalog already contains thousands of data, thanks to our members who were enthusiastic to contribute to the project. The success of the initiative can be seen through the interest of organizations who since then have become members of SLGO, because of the integration of their data in the catalog. The catalog was made possible through a grant from



the Priorities and Partnerships Fund - Strategic Component of Fisheries and Oceans Canada.

To be continued...

Since the data of the SLGO Catalog offers many expansion opportunities, a second phase for the catalogue is planned. This phase will be adding geomatics tools allowing the visualization and manipulation of spatial data within the catalog interface. This powerful tool will allow data layers selection from several different databases, making it possible to visualize them jointly.

▶ Visit at catalogue.slgo.ca/en

Exemples of Catalog Data

▶ Maliseet commercial fisheries of the communities of Gesgapegiag, Gespeg and Viger.

Information on commercial fisheries (fishing efforts, lobster e-logs) compiled by Fisheries and Oceans Canada (DFO) has been used by the Mi'gmaq and Maliseet Aboriginal Fisheries Management Association (MMAFMA) for the Gesgapegiag, Gespeg

and Viger communities. The MMAFMA used the raw data to conceive maps and realize an Atlas of Mi'gmaq and Maliseet sites and uses of the marine St. Lawrence.

Réseau québécois d'urgences pour les mammifères marins (RQUMM)

The Réseau québécois d'urgences pour les mammifères marins (RQUMM), has recorded, since 2004, incidents involving marine mammals that died or experienced difficulties in the St. Lawrence River and the Gulf region of Quebec. It coordinates field operations and centralizes information on these incidents, of the following nature: incident, carcass, stranding, entanglement.

ATLAS DES SITES ET USAGES M'GMAQS ET MALÉCITES du Saint-Laurent marin des communautés de Gesgapegiag, Gespeg et Viger

ATLAS OF MI'GMAQ AND MALISEET SITES AND USES, BY THE MMAFMA

GEOMATIC VISUALIZATION TOOL FROM THE "DATA EXPLORER" OF THE CATALOG

New in the SLGO members

New active members

As part of the online launch of the new SLGO Catalog, we are pleased to announce our collaboration with three ZIP (Priority Intervention Area) committees. In all, more than 30 datasets have been integrated into the catalog. These committees subsequently became active members of SLGO, namely the:

Comité ZIP du Sud-de-l'Estuaire | Comité ZIP de la Rive Nord de l'Estuaire | Comité ZIP Les Deux Rives



The mission of ZIP committees is to bring together the main users of the St. Lawrence River of their respective territory and to promote their cooperation to resolve local and regional problems affecting river ecosystems and their uses.

New associate members

SLGO is very pleased to welcome 3 new **associate members**.

- The World Wildlife Fund (WWF Canada);
- Canadian Marine Pilots' Association
- Marine Environmental Observation Prediction and Response Network (MEOPAR)



CANADIAN
MARINE
PILOTS'
SOCIATION



Brand New Graphic Identity

We invite you to discover the new interface of [SLGO's website](#). It highlights the most popular applications among our members, as well as a Latest News section showcasing our most recent projects or those of our partners.

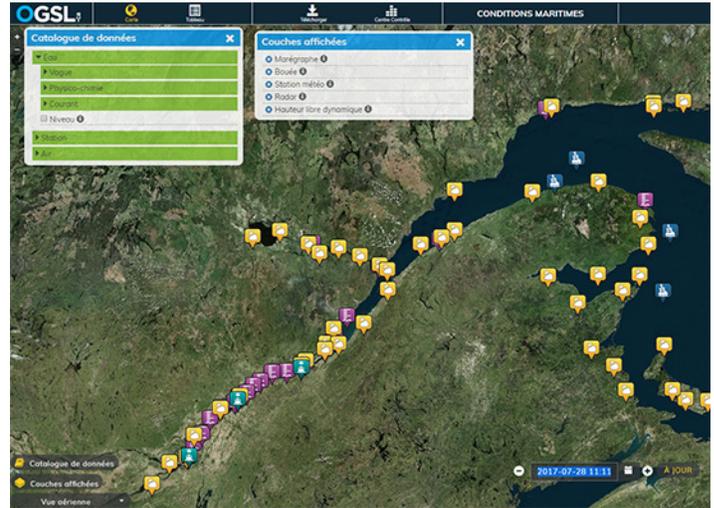
Thanks to funding from the Fisheries and Oceans Canada's Partnership Fund, SLGO was able to redesign its website and its visual identity. These vital communication tools will make it possible to uphold SLGO's presence in the maritime sector in Quebec, as well as internationally. The website's new modern look reflects both our constant innovation and the high technical quality of our services and products.



News & Updates in SLGO Apps

New application Environmental Data Archive

An Environmental Data Management System (EDMS) has been recently launched online on SLGO website, to archive securely scientific data collected during oceanic data collection missions. The collection available now has been provided by the Institut des sciences de la mer (ISMER – UQAR), with the help from the Institut Maurice-Lamontagne (DFO).



Some parameters of the archive data include: salinity, temperature, pressure, visibility, fluorescence, turbidity, ADCP currents velocities.

Application Marine Conditions

The Marine Conditions application had a facelift! SLGO team worked hard to optimize its new interface, which now works in layers: it is possible to overlay several layers of different data regardless of their nature.

Additional data and features have been added to the application:

- Dynamic vertical clearance data have been added for the Quebec Bridge, the Jacques Cartier Bridge and the Laviolette Bridge;
- New tide gauges and scientific buoys from DFO, namely in the Great Lakes and Western Canada;
- **Now compatible on mobile devices**
- Automatic update of the interface, every minute
- S111 standards for visualization of surface current data from high frequency (HF) radar systems.

Environmental References

Four databases showcased in this application have been updated. They are the Natural Sites of Interest, the Atlas of Bank Restoration Sites of the St. Lawrence River, the Protected Areas on Private Lands and the Mariculture Sites databases.

Application Biodiversity

There have been updates on the following databases:

- Data from Aquatic Invasive (AIS) monitoring program by DFO
- Computerized Database of Quebec Seabirds (CDQS) from ECCC
- Fish Monitoring Network (FMN), Ministère des Forêts, de la Faune et des Parcs (FMN – MFFP)
- Marine Mammal Observation Network (ROMM)

SLGO was there...

Annual General Assembly

At the end of the 2017 Annual General Meeting, OGSL is pleased to welcome in its board of directors the following administrators :



- **President** Mrs Ariane Plourde, ISMER – UQAR
- **Vice-president** Mr. Patrice Couture, Institut National de Recherche Scientifique
- **Treasurer** To be confirmed
- **Secretary** Mrs Julie Boyer, Ministère de l’Alimentation, des Pêches et de l’Aquaculture du Québec
- **Mr. Gilbert Cabana**, Université du Québec à Trois-Rivières
- **Mr. Jean-François Belzile**, Port of Montreal
- **Mrs. Sophie Paradis**, World Wildlife Fund (WWF)
- **Mr. Carl Robitaille**, Corporation des Pilotes du Bas Saint-Laurent
- **Administrators**
 - **Mr. Jean-Éric Turcotte**, Stratégies Saint-Laurent
 - **Mrs. Marie-Christine Tremblay**, Environment and Climate change Canada
 - **Mr. Jean-Éric Tremblay**, Quebec Ocean
 - **Observer** Mrs Bernadette Pinel-Alloul, University of Montreal

Meeting of the Scientific Advisory Committee (SAC)

On March 2nd, a SAC meeting has held in the SLGO's offices. Following a brief presentation of the ongoing project, the SLGO Catalog has been thoroughly demonstrated. Explanations on its functioning and its great utility were given and then a consultation on the main themes to adopt for the catalog was launched. Since then, the six themes have been defined and now allow a classification of the catalog, required to able data discovery (biogeochemistry, biology and ecosystems, physics, marine geology, coastal environment, human activity)

Finally, the session ended with the planning of the next project call, which will take place on September 12th. OGSL members are invited to submit their project until the deadline of **October 13th, 2017**.



Association francophone pour le savoir (Acfas)

On May 11th, during the 85th annual congress of the Acfas, SLGO has been invited to present about the following topic: "Dissemination of marine Observing Data on the SLGO: Issues Related to the Academic Sector", has part of the seminar organized by the Réseau Québec Maritime (RQM) and the Institut France-Québec maritime (IFQM), called "**How to Make Quebec an International Beacon in Maritime Research**".

SCIENTIFIC ADVISORY COMMITTEE CALENDAR

Call for projects	September 12 th
Deadline for submission of projects	October 13 th
Appraisal of the call for projects	October 19 th
SAC Meeting: Assessment of submitted projects	November 7 th

[FEATURE] FOCUS ON CITIZEN SCIENCE



▶ #eCapelin : Submit Your Observations!

The **World Wildlife Fund** (WWF-Canada), in collaboration with the St. Lawrence Global Observatory (SLGO) has launched in the previous month of June a citizen science initiative aiming at collecting data on the **spawning sites of capelin** in the Estuary and Gulfe of the St. Lawrence as well as in coastal Atlantic Canada. Furthermore, in partnership with Parks Canada, WWF-Canada will be curating an educational exhibition on capelin for summer visitors at the Forillon National Park.

As the only fish to spawn on our beaches, capelin is an essential fish-prey in the food chain, as it feeds several major predators such as whales and seabirds. However, too little data is available on the status of capelin stocks.

For more information or to submit your data, visit www.eCapelin.ca

[FEATURE] FOCUS ON CITIZEN SCIENCE

➤ Côtes à Côtes : Coastal Habitats Observations

The **Comité ZIP du Sud-de-l'Estuaire** in partnership with the ZIP committees of Eastern Quebec, the St. Lawrence Global Observatory and the Bas-Saint-Laurent Regional Environment Council, invite the population Eastern Quebec to mobilize around threatening issues related to the coastal habitats of the St. Lawrence River in the context of **climate change**.

« By the manifestation of natural phenomena such as storms and ice movement or by the presence of species of interest, invasive species or by the realization of good practices such as cleaning of banks or restoring seashores, there is an opportunity for citizens to share the fragility and importance of the coastal habitats of the St. Lawrence.

It's up to you to play: **Observe, Share, Exchange** on the citizen platform www.cotesacotes.org »

says Francoise Bruaux, president of the Eastern Quebec ZIP committees and director of the Comité ZIP Sud-de-l'Estuaire.





Upcoming Activities

- The next general assembly of SLGO will be held in **June 2018**.
- The next meeting of the Scientific Advisory Committee will be held on **November 7th, 2017**.

SLGO Team

SLGO can now count on a new coordinator in the person of Mrs. Anne-Sophie Ste-Marie. She replaces Mrs. Geneviève Faille, who recently left to face new challenges. Also, at the end of March was the end of the contract of Mr. Jordan McManus, programmer-analyst within the IT team. SLGO team wishes them good continuity in their respective projects.



ANNE-SOPHIE STE-MARIE, COORDONATOR AT SLGO