

The Strait of Georgia Data Centre

Pacific Salmon Foundation/ IOF

<https://sogdatacentre.ca/>



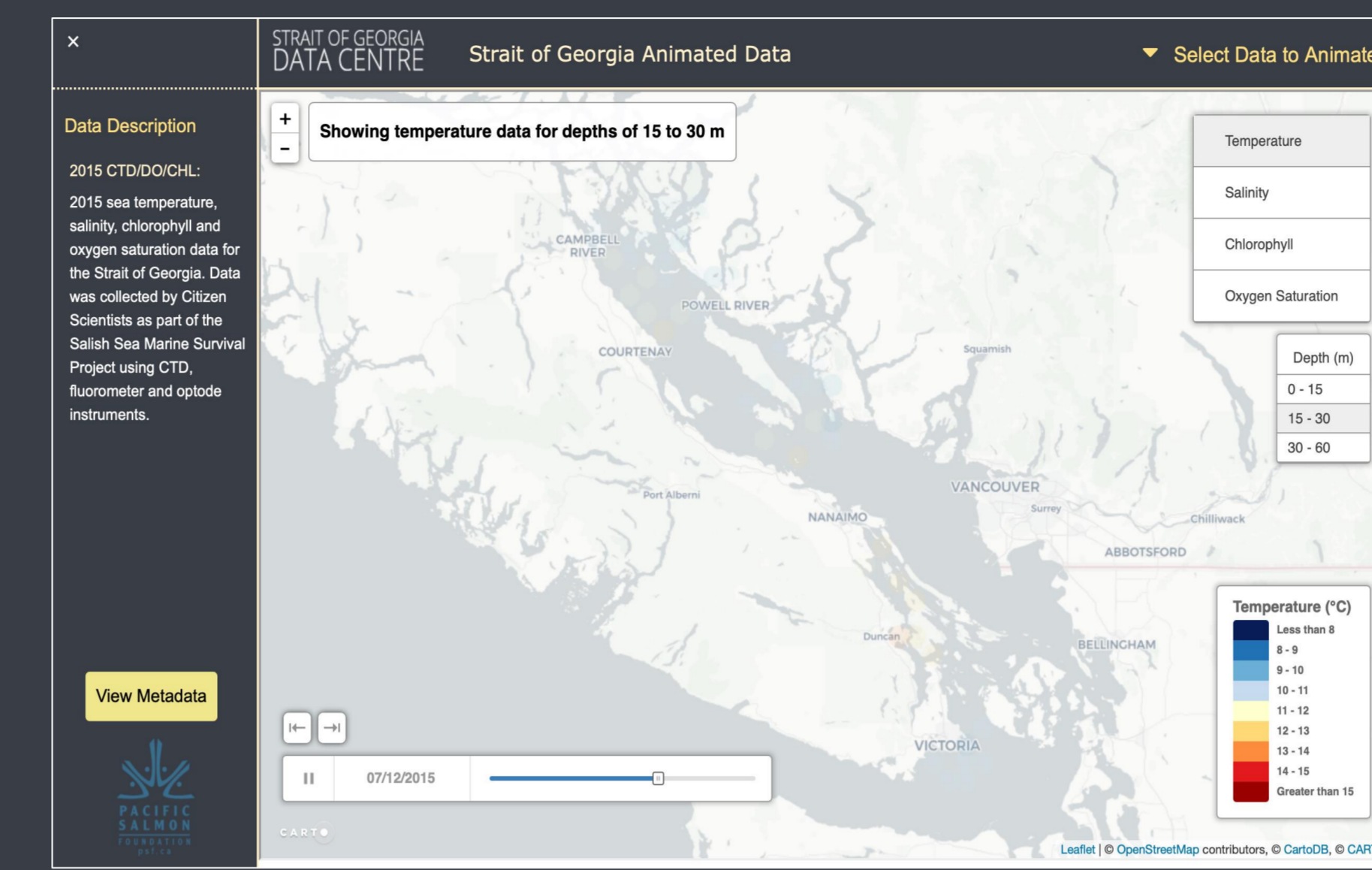
Introduction

The Strait of Georgia Data Centre is a collaborative program between the Pacific Salmon Foundation (PSF) and the Institute for the Oceans and Fisheries (IOF), UBC, to build a secure data archive for marine ecosystem information on the Strait of Georgia.

The Centre is housed at UBC, and funded through the Sitka Foundation and PSF.

The goal of the Data Centre is to serve as a central data repository, to protect and collate marine ecosystem information for the Strait and to allow for data sharing and integration in a comprehensive manner.

Success in developing this system could be invaluable to the restoration of ecosystems and in provision of marine information for communities and decision-makers around the Strait.



Map Catalogue

Browse interactive maps and story maps on marine topics

Additional Components

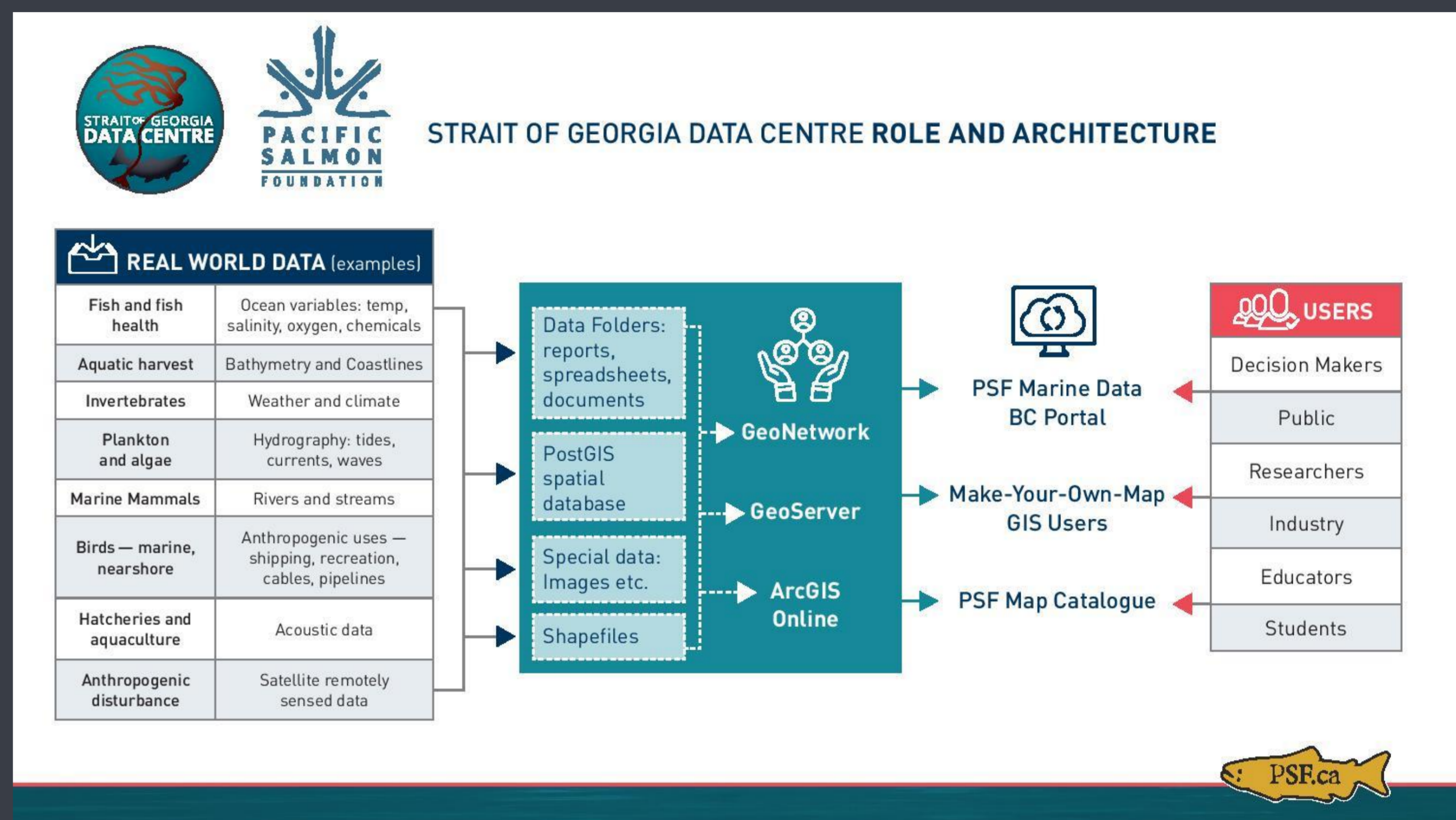
- An inventory of researchers working in the Strait of Georgia
- A scientific literature portal for works related to the Strait of Georgia marine environment
- An Atlas of Oceanographic Conditions in the Strait of Georgia, detailing results from the PSF Citizen Science Oceanography program at a spatio-temporal scale not realized before
- Educational webpages on topics such as aquatic invasive species
- A strong network - establishment of connections with the Community Mapping Network, Georgia Strait Alliance, Department of Fisheries and Oceans Canada, Institute of Ocean sciences, Province of BC, Environment Canada, UBC, CRD Victoria, MetroVancouver, Forage Fish Monitoring Network, Canadian Hydrographic Service etc.

Objectives

- To identify and obtain information resources relevant to the Strait of Georgia
- To create a secure archive for the data
- To create a geospatial database that makes documents and data accessible geographically
- To provide a map display that reflects the contents of the database
- To provide a search capability within the database to allow for a semantic search and download of datasets



Data Portal System Architecture



Acknowledgements and Funding

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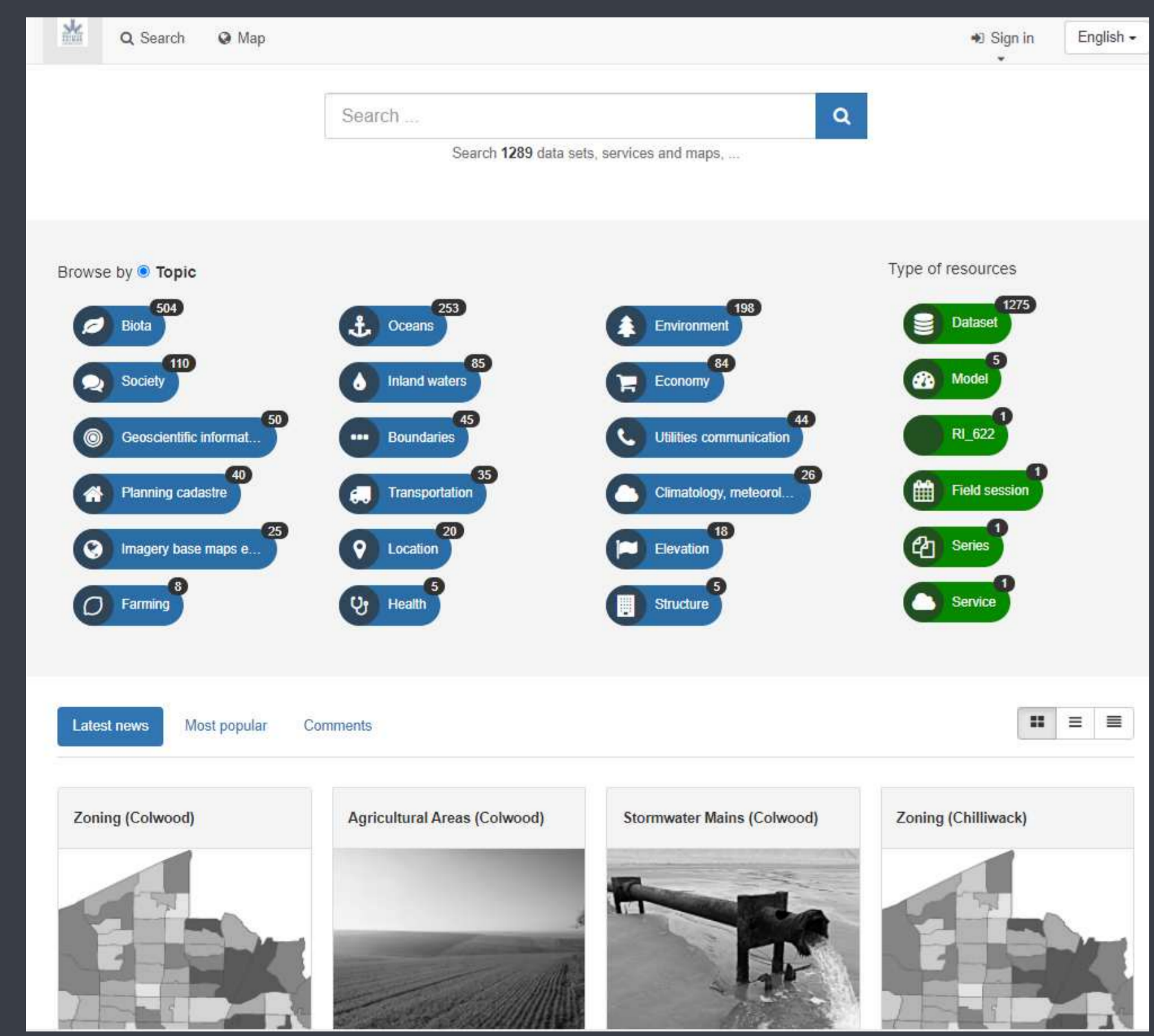
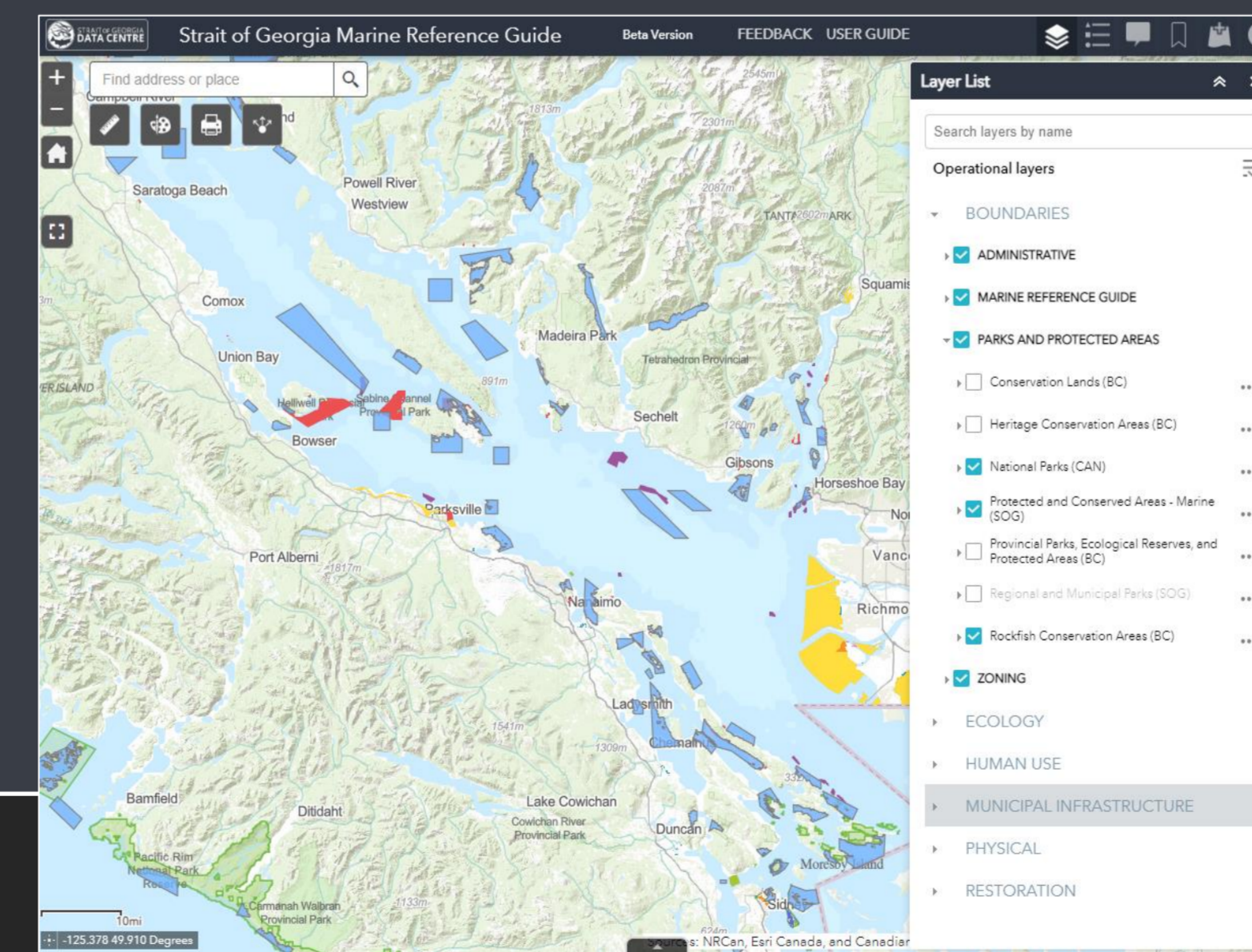
Key Personnel

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Recently Launched

The Strait of Georgia Marine Reference Guide

- A marine map with utility for decision making and marine spatial planning
- Allows users to view and compare a myriad of layers on the ecology, oceanography, and human use of the Strait of Georgia
- Added bonus of increasing ease of navigation through Data Centre's holdings by acting as a face for available spatial data
- Strait of Georgia version joins a network of marine reference guides established by partner organizations focusing on Southwest BC



Marine Data BC Portal

Directly access or link to data & metadata downloads for marine information relevant to the Strait of Georgia