

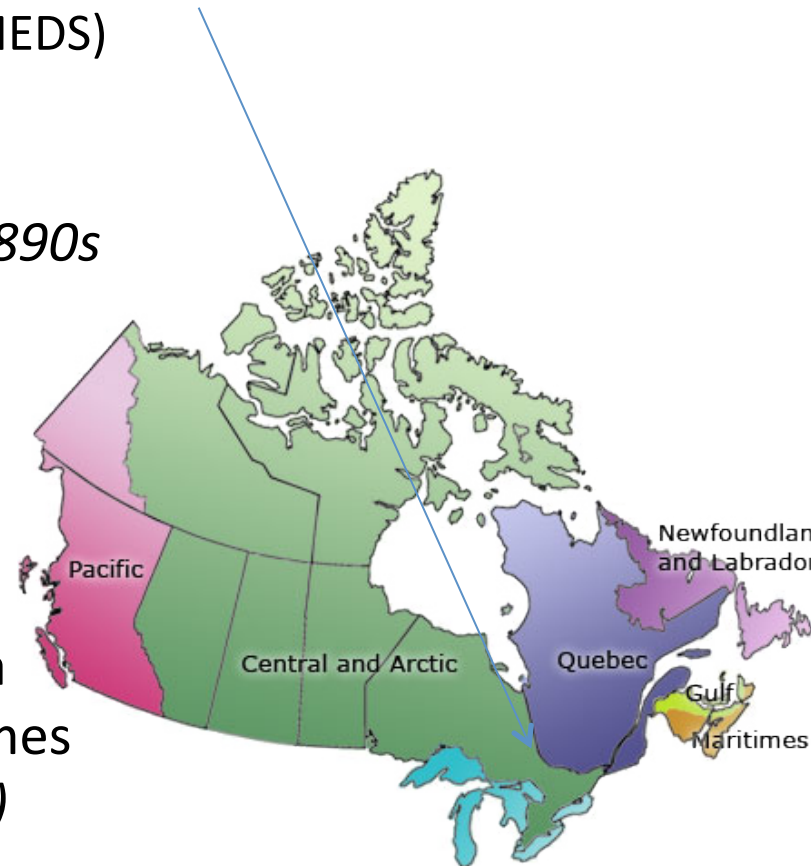
Who We Are

Fisheries and Oceans Canada (DFO)

- 5 Institutes, 2 biological stations, 2 fisheries centres, labs, centres...
- Oceans Science Branch in National Capital Region
 - Marine Environmental Data Section (MEDS)

DFO (1979): under previous incarnations, *collecting and preserving data since the 1890s*

MEDS, National Oceanographic Data Centre since 1962, under the Intergovernmental Oceanographic Commission (IOC)'s International Ocean and Information Data Exchange (IODE) Panel, under various names (*CODC, MEDS, ISDM, OSD, OS, OSB-MEDS*)



What We Do

DFO: Research, monitoring, surveys, etc.. → Collecting data, providing advice

Oceans Science Branch: Coordination of national oceanography, climate research and aquaculture science in DFO + MEDS

MEDS: Acquiring data in Canadian waters (DFO, Environment Canada, Department of National Defence, academia, foreign agencies)

Data quality assurance, version control (best copy)

Making data available, nationally and internationally, real-time (operational oceanography) and long-term

Long-term data preservation

Some International Responsibilities:

Canada data assembly center for international Argo program (end to end)

Canada focal point for ships of opportunity implementation panel (JCOMM)

Global data assembly center for drifting buoys (JCOMM)

Global data assembly center for Global Temperature Salinity Profile Project (NODC)

Near real-time in situ GTS profile provider for Copernicus Marine Environment Monitoring Service (Ifremer, EU)

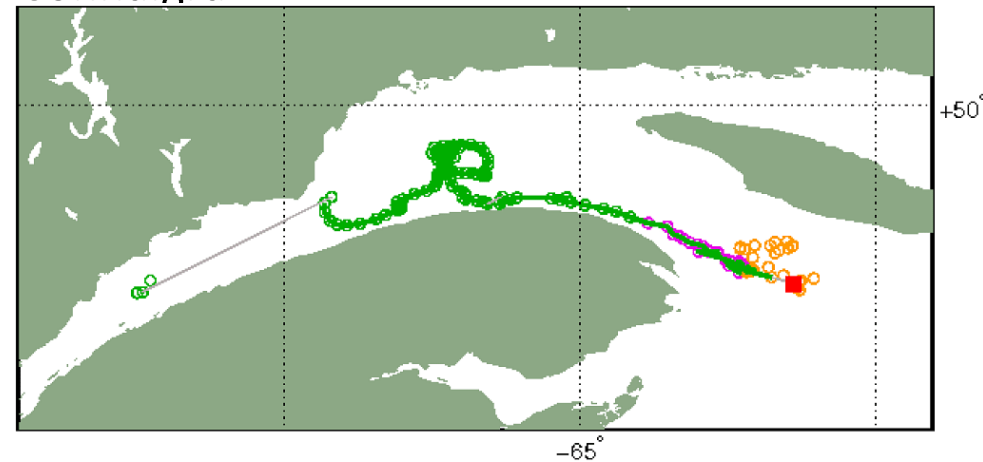
Recent Achievements

The Global Telecommunication System (**GTS**) is WMO's main infrastructure for *the rapid collection, exchange and distribution of observations*.

Since the 1980s, MEDS has been the insertion node for oceanographic data on the **GTS**: CTD and XBT from DFO ships, DFO commissioned ships and DND ships, Argo Canada profilers (2000-), OTN gliders (2013-).

In 2015, we undertook dissemination of two new real-time data streams from:

- 1) Argo-equivalent float owned by UQAR and deployed in the St. Lawrence Estuary
- 2) Thermosalinograph aboard IML (DFO) commissioned ship of opportunity Oceanex Connaigra



inserted on the GTS by MEDS

inserted on the GTS by EC

foreign

