Canadian Operational Network of Coupled Environmental PredicTion Systems (CONCEPTS) Highlights 2015-2016

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Introduction to poster:
Overview of CONCEPTS Ice-Ocean Prediction Systems
From Research to Operations 2015-2016

Establishing a Core Environmental Prediction Capability in Canada
Ice-ocean modelling with CICE

Applications and domains

- Global 1/4° resolution (GIOPS)
  - Medium-monthly forecasting
  - Fully-coupled for NWP

- Global 1° resolution (CanSIPS-GN)
  - Seasonal forecasting

- N. Atlantic and Arctic 1/12° (RIOPS)
  - Short-to-medium range forecasting
  - Coupled HRDPS-Polar for YOPP

- East and West Coast 1/36° (CIOPS)
- Great Lakes 2km (RMPS-GL)
- Gulf of St. Lawrence 5km (RMPS-GSL)
  - Short-term forecasting

Bathymetry

Surface currents

Surface temperature

1/4° Global

1° Global

1/12° N. Atlantic and Arctic

Operational
Experimental
In development