

Led by Cédric Chavanne, Daniel Bourgault and Dany Dumont, the technical team at ISMER/UQAR, in collaboration with partners, will maintain, operate and develop a multi-sensor ocean observatory in the Estuary and Gulf of St. Lawrence. This system includes HF radars, met-ocean buoys, moorings, surface and subsurface drifters and coastal cameras. The system supports both applied (surface drift and dispersion of floating objects and contaminants, validation of numerical simulations of surface currents and waves) and fundamental (mesoscale and submesoscale processes, waves and sea ice interactions, physical and biogeochemical interactions) research. Partners include Observatoire Global du Saint-Laurent, MetOcean Data Systems Inc., Multi-Électronique Environnement et changement climatique Canada, SeaView Sensing Ltd, Ocean Physics Europe, ASL Environmental Sciences Inc., Helzel Messtechnik GmbH, Northern Radar Inc., CODAR Ocean Sensors. This team is also expected to integrate with the emerging CIOOS and assist with regional coordination.