

# Learning Session: Remote Sensing Technologies for Coastal Mapping

## Final Agenda

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**5 November 2015: 0900 - 1700 hrs** – Atlantic Standard Time.

**Location:** Wandlyn Inn, Amherst, Nova Scotia, and virtual participation via WebEx.

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**0900-0910** – Introduction

**0910-0920** – Objectives of the session; participant expectations

**0920-0930** – Background document: remote sensing technologies

**0930-0955** – Jennifer Wozencraft, Emerging Remote Sensing Applications

**0955-1020** – Jamie Carter, NOAA's Coastal-Change Analysis Program

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**1020-1035** – Break

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**1035-1105** – Dirk Werle, Coastal Applications of Satellite Radar

**1105-1135** – Dr. Vladimir Kostylev, Seabed Mapping Initiatives at NRCan

**1135-1200** – Peter Nishimura, Impacts of new data upon coastal development on PEI

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**1200-1300** – Lunch

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**1300-1330** – Dr. Tim Webster, Topo-bathy LiDAR for coastal research in Maritime Canada

**1330-1400** – Jacinthe Cormier, Bathymetric LiDAR activities at Canadian Hydrographic Service – Atlantic

**1400-1430** – Dr. Marc Skinner, Developing and Refining Remote Sensing Tools and Methodologies to Map and Quantitatively Monitor Eelgrass Beds

**1430-1500** - John Charles, Climate Change Adaptation Plans and Strategies in Halifax Regional Municipality

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**1500-1515** – Break

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**1515-1545** – **Panel** on Drone (UAV) use for remote sensing in the coastal zone

- Dr. Adam Fenech, Tracking Coastal Erosion across Prince Edward Island
  - Robert Starkes, Oil Spill Preparedness and Response Planning in Tidal Inlets
  - Dr. David K. Cairns, The *Phantom Vision* drone as a Mapping Tool for Aquatic Resource Management
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1545-1630 – **Closing Panel:** Perspectives on using remote sensing in the coastal zone.

**National perspectives**

- Jacinthe Cormier, Canadian Hydrographic Service, Canada
- Jennifer Wozencraft, US Army Corp of Engineers, USA
- Jamie Carter, National Oceanic and Atmospheric Administration, USA

**A Provincial perspective**

- Reid McLean, Government of New Brunswick

**Municipal perspective**

- John Charles, Halifax Regional Municipality
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**1630-1700** – Next Steps - Wrap up

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