

**Séminaire mar 23 Nov 2010 10h30 / Seminar Tue Nov 23rd 2010
10h30**

Conférencier/Lecturer: Mark Buehner, Alain Caya,
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Sujet/Subject: Automated North American
Sea-Ice Analysis System

Présentation/Presentation: Anglais / English

Lieu/Room: Salle des vents (Dorval)

iweb: <http://web-mrb.cmc.ec.gc.ca/mrb/rpn/SEM/>

web: <http://collaboration.cmc.ec.gc.ca/science/rpn/SEM/index.php>

Abstract

An automated sea ice analysis system for the waters surrounding North America has been developed using a variant of 3-Dimensional Variational Analysis data assimilation to assimilate multiple sources of remote sensing data and information from ice charts produced by the Canadian Ice Service. This system will be the first of a series of implementations that will include both regional and global analyses and will also be used to initialize global and regional NWP and coupled ice-ocean models. A proposal will be made at the next CPOP meeting to implement the North American system in experimental mode. This seminar will outline the motivation for developing this system, followed by an overview of the scientific features and will conclude with some recent verification results.