Séminaire 28 Mai 2011 11h / Seminar May 28th 2011 11h

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Sujet/Subject: Fire Weather Products within the Canadian Wildland Fire Information System

Présentation/Presentation: Anglais / English

Lieu/Room: Salle des vents (Dorval)

wiki: https://wiki.cmc.ec.gc.ca/wiki/RPN_Seminars

iweb: http://web-mrb.cmc.ec.gc.ca/mrb/rpn/SEM/
web: http://collaboration.cmc.ec.gc.ca/science/rpn/SEM/index.php

Abstract

The Canadian Wildland Fire Information System (CWFIS) is an operational system run by the Canadian Forest Service (CFS) that monitors fire danger conditions across Canada. Started in 1997, the system provides maps of fire weather, fire behaviour, satellite images and satellite-detected fires (a.k.a. hotspots). Recent improvements to the system have expanded the scope of the system, improving the range of forecasted products.
Through cooperation with the Canadian Meteorological Service (CMC), the CWFIS is now providing extended-range forecasts of the fire conditions across Canada. For the first 48 hours, the CWFIS uses CMC's SCRIBE weather products to predict fire weather condition. The North American Ensemble Forecast System (NAEFS) is used to produce fire weather forecasts for the next 14 days., while CMC's Global Seasonal Forecast maps are used to produce monthly forecasts for the next 4 months. Using this suite of forecasting products, the CFS is developing longer-range applications including fire growth and fire occurrence predictions.
This presentation will summarize the work being done at the CFS, the Canadian Forest Fire Danger Rating System, the CWFIS and the forecast now being conducted using CMC products.