Canadian Sub Seasonal to Seasonal Forecasting System

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The goal of having sub-seasonal prediction system lies in increased demands for providing numerical forecasts beyond one week. Sub-seasonal system (i.e. week 2 to week 4) will close the gap between weather and climate forecasting. Important predictability sources that could enable successful sub-seasonal forecasts are: MJO, SST anomalies, sea-ice, land processes and the Stratosphere.

In this work we are comparing the sub-seasonal forecasts produced by the Canadian Seasonal to Interannual Prediction System (CanSIPS) and the Global ensemble Prediction System (GEPS). CanSIPS is the Environment Canada's multi-model ensemble system used for the operational seasonal prediction while the GEPS is the ensemble prediction system used for the forecasting range "day6 to day7" as well as for the outlook of the second week.