

**Séminaire vendredi le 19 juillet 2019 11:00 / Seminar Friday July 19th 2019
11:00h**

Sujet/Subject: Simulated climate and climate change of CanESM5

Langue/language : Anglais/English

**Conférenciers/Lecturers: Nathan Gillett
(Canadian Centre for Climate Modelling and Analysis, ECCC)**

Neil C. Swart, Jason N.S. Cole, Viatcheslav V. Kharin, Mike Lazare, John F. Scinocca, James Anstey, Vivek Arora, James R. Christian, Sarah Hanna, Yanjun Jiao, Warren G. Lee, Fouad Majaess, Oleg A. Saenko, Christian Seiler, Clint Seinen, Andrew Shao, Larry Solheim, Knut von Salzen, Duo Yang, Barbara Winter

Résumé/Abstract:

The Canadian Earth System Model version five (CanESM5) was developed at Environment and Climate Change Canada's Canadian Centre for Climate Modelling and Analysis to prepare the Canadian contribution to the Sixth Coupled Model Intercomparison Project (CMIP6), to inform climate change adaptation, to address a range of science and policy questions, and for seasonal to decadal prediction applications. This presentation will briefly introduce the components of CanESM5 and then show a comparison of its simulated climate and climate change with observations, followed by its decadal predictions, and projections of 21st century climate change under the Shared Socioeconomic Pathway (SSP) scenarios.