

Séminaire Hydrologique

Organisation:

University of Saskatchewan & University of Calgary

Equipe de recherche
« Hydrologie des bassins versants »
<https://webgr.inrae.fr/>

16/09/2022 – 14:00 - 16:00

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Salle Galilée 1-2, Antony & Online (Zoom)*

Invited talks:

Prof. Martyn Clark
Hydrological modelling across North America



Martyn is a Professor of Hydrology at the University of Saskatchewan, Associate Director of the University of Saskatchewan's Centre for Hydrology and the Canmore Coldwater Laboratory, and Fellow of the American Geophysical Union. Martyn's research focuses in three main areas: (i) developing and evaluating process-based hydrologic models; (ii) understanding the sensitivity of water resources to climate variability and change; and (iii) developing the next generation streamflow forecasting systems. Martyn has authored or co-authored over 200 journal articles since receiving his PhD in 1998.

Dr Wouter Knoben
Community modelling in hydrology

Wouter is a Postdoctoral Fellow at the University of Saskatchewan at Canmore, board member of the Young Hydrologic Society and ex board member of the AGU Hydrology Section Student Subcommittee. Wouter's research focuses in three main areas: (i) using knowledge from experimental basins to improve continental domain models; (ii) model structure uncertainty, realism and benchmarking; and (iii) hydrologic similarity.



Dr Louise Arnal
Data-driven seasonal streamflow forecasting



Louise is a Postdoctoral Fellow with Global Water Futures at the University of Saskatchewan in Canmore. Her research focuses on advancing the science and practice of ensemble hydrological forecasting. As an artist and scientist, Louise aims to further science engagement through the fusion of science and art. Louise is an active member of the HEPEX global community in hydrological ensemble prediction and a co-curator of the ConciliARTE science and art space.

Prof. Tricia Stadnyk
Towards Assessing Canada's Water & Energy Futures

Tricia is a Professional Engineer and Associate professor with the Department of Geography at the University of Calgary (Adjunct Professor in Civil Engineering at the University of Manitoba). She is the principle researcher on several interdisciplinary studies examining the effects of climate change on Canada's water supply. Among others, she is involved in establishing and coordinating Environment Canada's national river isotope monitoring network. She is also the Vice-President of the International Tracer Committee for the International Association of Hydrological Sciences, and National Board member for the Canadian Water Resources Association.



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