Postdoctoral Fellow (or Research Associate) appointment - Hydrological Modelling of Prairie Drainage Basins for Global Water Futures

We invite applications for a post-doctoral fellow or research associate position to apply physically based hydrological modelling to better understand the future hydrology of Canadian Prairie drainage basins. The PDF will be applying the University of Saskatchewan’s Cold Regions Hydrological Modelling (CRHM) platform to model several representative Canadian Prairie drainage basins under future climate and land use scenarios. The model results produced by this position will help the Global Water Futures, Prairie Water research programme (https://gwf.usask.ca/prairiewater/) reach its scientific and knowledge mobilization goals, and facilitate the development of an integrated prairie basin model for use in stakeholder decision support. For this reason, this appointment will require an ability to quickly learn the CRHM modelling platform and produce model outputs. It will be an asset to have worked successfully in a team of interdisciplinary researchers and multiple stakeholders. The successful applicant will have strong knowledge of cold regions hydrology, excellent computational and programming skills and previous experience in numerical hydrological modelling. This research will apply in-situ data from a network of research catchments, remotely sensed data and hydrometeorological model products, so experience with efficient data compilation and parameter estimation is an asset. The candidate should be able to demonstrate a strong ability act as lead author on scientific publications.

Interested applicants are encouraged to contact Professor John Pomeroy (john.pomeroy@usask.ca) or Dr. Christopher Spence (chris.spence@canada.ca) with a copy of their CV and a cover letter. Appointments will be made with the Centre for Hydrology, Department of Geography and Planning (www.usask.ca/hydrology) and can become associates of the Global Institute for Water Security www.usask.ca/water. The researcher will be located in the Canada Centre for Water Forecasting and Prediction – a GWF/GIWS/Centre for Hydrology facility that is part of the largest freshwater research project in the world. This is a two year appointment with possible extension to a third year and has a competitive salary. Whilst this post is directed at postdoctoral researchers, researchers with a research-based M.Sc. and with appropriate training and experience may also be considered for this position as research associates. Review of applications will begin March 2020 and continue until the position is filled. We thank all applicants, however, only candidates selected for an interview will be contacted.