



Master's Research Opportunity: Participatory Modelling for Decision Support in Large River Systems

DESCRIPTION: The Global Institute for Water Security (GIWS) through its new Global Water Futures Program (<https://gwf.usask.ca/>) invites applications for a Master of Environment and Sustainability position at the University of Saskatchewan. The focus of the research project will be community- engaged participatory water resources modelling. The successful candidates will work under the supervision of Drs. Graham Strickert and Tim Jardine to continue engagement with First Nation and Métis people in the Saskatchewan River Delta. The role of the candidate will be to incorporate multiple ways of knowing into water resources modeling to help identify flow targets for upstream decision-makers (e.g. dam operators) that produce desired effects for functioning river-wetland ecosystems.

RESPONSIBILITIES: The candidate will be expected to assist with facilitation and contribute social science expertise and modelling in workshops focused on traditional and local knowledge of environmental flows. These workshops are an important step in a scenario planning process for the Nelson - Churchill basin.

QUALIFICATIONS: Applicants must have an undergraduate degree in human geography, human ecology, or other social science fields and working knowledge of water resources systems. Previous research experience is desirable, but not necessary. Preference will be given to candidates with experience engaging with Indigenous communities.

DEADLINE: Review of applications will begin on July 20th, 2017 and will continue until a suitable candidate is identified.

To apply please send a letter of interest and CV to both Drs. [Graham Strickert](mailto:graham.strickert@usask.ca) graham.strickert@usask.ca and [Tim Jardine](mailto:Tim.Jardine@usask.ca) Tim.Jardine@usask.ca. Please use the header "**MES Participatory Modelling for Decision Support in Large River Systems**".

The University of Saskatchewan is committed to employment equity. Members of designated groups (women, aboriginal people, people with disabilities and visible minorities) are encouraged to self-identify on their applications.