**PhD opportunity – Flood prediction in ungauged basins in a changing Earth**

The *Hydroclimate Extremes and Water Security Lab* in the Department of Civil, Geological, and Environmental Engineering at the **University of Saskatchewan, Canada,** invites applications for a **funded PhD position**, with an ideal start date of September 2026, although a later start (January 2027) might be considered.

**About the Position:** The selected applicant will conduct high-quality research to improve long-term flood prediction in ungauged basins amid Earth changes. The research will include flood frequency analysis, regional estimation and spatial modelling, and post-processing of climate and hydrological model simulations (correction and downscaling), all under nonstationarity (changes in climate, land use, and water). The PhD will be supervised by Prof. Cuauhtémoc T. Vidrio-Sahagún.

**Required qualifications:**

- Bachelor's and master's degrees in Civil, Environmental, Water Resources Engineering (or a closely related field).
- Strong academic performance (Master's GPA ≥ 80%).
- Demonstrated English proficiency.
- Background in probabilistic/statistical modelling of hydroclimate extremes.
- Proficiency in programming (such as MATLAB, Python, or R).
- Strong written communication skills and research ability.

Familiarity with flood analysis, modelling, prediction, or climate change impact assessment is an asset.

**How to Apply:** Submit a **single PDF** with the subject line **'PhD flood position'** to Dr. Cuauhtémoc T. Vidrio-Sahagún at ct.vidrio-sahagun@usask.ca. Your application must include:

1. A one-page cover letter describing your interest in this position, along with your experience, motivation, availability dates, and career goals.
2. Curriculum vitae (including academic achievements, scholarships, or awards)
3. Unofficial transcripts and copies of degrees (Bachelor's and Master's)
4. Names and contact information for two referees
5. A writing sample where you are the first author (journal paper, thesis, etc.)

**Review of applications will begin immediately and continue until the position is filled.** Only shortlisted candidates will be contacted for an interview.