It has been almost 20 years ago since Einarson and Mackay (2001, ES&T) published an article about pollutant mass flux and mass discharge. The paper provided a general framework for a more advanced and more meaningful characterization and management of contaminated aquifers based on groundwater fluxes.

Nowadays, management of contaminated aquifers is commonly risk-based, predominantly relying on contaminant concentrations. Despite being acknowledged for some time in the scientific community, mass flux concepts and measurements remain under-applied in the broader contaminated land industry.

We propose to hold a short brainstorming session on groundwater flux as part of the GQ2019 to:

- Identify possible barriers preventing further adoption of flux measurements in site characterisation and remediation;
- Discuss potential technological and institutional evolutions to address some of these barriers;
- Outline an initial framework for what could become a position paper, if possible in the GQ19 special issue of the Journal of Contaminant Hydrology.

The brainstorm session will be co-convened by Pierre Jamin (University of Liège) and Frederic Cosme (Geosyntec Consultants). Exclusive refreshments including local beers will be provided to the attendees.

**GQ 19**

Thursday 12 September, 12:45 am to 1:45 pm.

Room A2