

## **CGU\_H\_03: Hydrological and biogeochemical behaviour in urban(izing) landscapes**

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### **Session Description**

Urbanization alters drainage networks and introduces elevated inputs of materials such as nutrients, salts, metals, and organic compounds into the hydrosphere. In Canada, as in the rest of the world, urban(izing) landscapes continue to expand and the associated environmental impacts often reach far beyond the urban boundaries themselves. The goal of this session is to bring together a broad range of research that examines the impacts of urban land use on both hydrological and biogeochemical processes and patterns. Some themes of interest include, but are not limited to, impacts of extreme weather events on hydro-biogeochemical fluxes and the functioning of mixed urban and agricultural basins. Studies that address scaling effects, use novel field- and modelling-based approaches and/or integrate information on urban hydrological infrastructure are especially encouraged.

**Primary Affiliation:** CGU Hydrology

**Joint Session Submission:** CGU Biogeosciences