
ACG033-10

Room: Function Room A

Time: May 23 11:30-11:45

Hydrological process and interaction between groundwater and surface water in north-eastern Eurasian inland

Maki Tsujimura^{1*}, Jun Asanuma¹, Tsutomu Yamanaka¹, Michiaki Sugita¹

¹University of Tsukuba

The north-eastern Eurasian inland is a key region from the view points of hydrology and climatology. The present study mainly focuses on Kherlen River Basin, eastern Mongolia, and evaluates the hydrological processes occurring in this region using isotope tracer approach, hydrological observation and numerical modeling approach to clarify the source of water vapor in the atmosphere, the source of the river water and interaction between the groundwater and surface water.

Keywords: north-eastern Eurasia, Mongolia, source of water vapor, groundwater, surface water