



University of
Zurich ^{UZH}

Department of Geography
Hydrology and Climate

INVITATION

to the following presentation:

Dr.-Ing. Bora Shehu
University of Potsdam

A retrospective analysis of the extraordinary flood at
the Ahr catchment on July 2021 -
focus on rainfall uncertainty



During the July 2021 event in the Ahr catchment, traces of erosion and surface flow (even on upstream forests) suggested a shift in the dominant hydrological processes, which led to a rapid and strong increase in discharge peaks. The combination of several catchment characteristics (such as the presence of pseudogley, slopes, low field capacity etc.) with high rainfall volumes (initially estimated to be up to 140mm/day) is discussed to be responsible for such response. However,

the exact role of rainfall remains uncertain, as the rainfall field of 14 July is associated with high uncertainty.

Date: Tuesday, July 2nd, 2024, 14h00
Location: University of Zurich Irchel, Y25-H-38