Global water-climate-human nexus modeling based on process upscaling

Session Number: **SS-1-2**

Time: **Sept 14, 11:00-12:30**

Location: **Room 9**

Lead Organiser: **Institute of Geographic Sciences and Natural Resources Research, CAS**

Co-organiser: **Ruhr-University Bochum, Germany**

Moderator: **Prof. Qiuhong Tang, Professor, Institute of Geographic Sciences and Natural Resources Research, CAS**

Speakers	Title
Vimal Mishra, Professor, Indian Institute of Technology Gandhinagar	Increased Flood Risk in South Asia under the warming climate
Nigel Wright, Professor, University of Birmingham	What modelling scale is fit-for-purpose for urban flood resilience?
Qiuhong Tang, Professor, Institute of Geographic Sciences and Natural Resources Research, CAS	Shrinking Area and Increased Seasonal Variability Attributed to Human Alterations in an Ungauged Terminal Lake Basin in Central Asia
Xingcai Liu, Associate Professor, Institute of Geographic Sciences and Natural Resources Research, CAS	Potential water stress caused by to climate change and cropland expansion on the Slope of Tianshan Mountains
Gang Zhao, Associate Professor, Institute of Geographic Sciences and Natural Resources Research, CAS	Warming may offset the impacts of precipitation on nitrogen loading
Panelists	**Contents**
Martina Flörke, Professor, Ruhr-University Bochum, Germany	Upscaling processes to improve global water resource models