

# Virtual Workshop



## on “Global Climate Change and Water System Impacts”

Organizer:

State Key Laboratory of Water Resources and  
Hydropower Engineering Science  
School of Water Resources and Hydropower Engineering,  
Wuhan University, P.R.China

### ***Motivation***

The objective of this workshop is to provide an ideal platform for researchers to present and discuss recent advances and challenges on “Global Climate Change and Water System Impacts”. During this workshop, several leading scientists in this field are invited to make academic presentations in the following weeks. With the diversity and quality of the engagement communities, we certainly have much to share and exchange.

### ***Funder***

Overseas Expertise Introduction Project for Discipline Innovation (111 Project) funded by Ministry of education and State Administration of Foreign Experts Affairs, P.R. China (Grant No. B18037)

National Natural Science Foundation of China (Grant No. 52079093, 51779176)

### ***Location***

**Online meeting:** Zoom ID 873 912 5358

**Offline meeting:** State Key Laboratory of Water Resources and Hydropower Engineering Science, Meeting Room

### ***Contact information***

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## *Agenda of the Workshop*

Conveners: Prof. Dr. Lihua Xiong (xionglh@whu.edu.cn)

Prof. Dr. Jie Chen (jiechen@whu.edu.cn); Prof. Dr. Jong-Suk Kim (jongsuk@whu.edu.cn)

<i>Session 1</i>		
Nov.16,2021 09:00 - 10:00	<b>Dr. Wenhong Li</b> <i>Duke University, USA</i>	Climate change impact on wetland through hydrological perspectives
<i>Session 2</i>		
Nov.19, 2021 14:00 – 15:00	<b>Dr. Joo-Heon Lee</b> <i>Joongbu University, Korea</i>	Climate Change and River Ecosystems: Threats and Solutions
Nov.19, 2021 15:00-16:00	<b>Dr. Hyun-Hwan Kwon</b> <i>Sejong University, Korea</i>	A Novel Spatial Downscaling Approach for Climate Change Assessment in Regions with Sparse Ground Data Networks
<i>Session 3</i>		
Nov.26, 2021 14:30-15:30	<b>Dr. Seongjoon Kim</b> <i>Kunkuk University, Korea</i>	Watershed health, Vulnerability and Resilience Analysis for Protection and Restoration Priorities of South Korea
Nov.26, 2021 15:30-16:30	<b>Dr. Sunmin Kim</b> <i>Kyoto University, Japan</i>	Machine Learning Approaches in Hydrological Modeling and Forecasting
<i>Session 4</i>		
Nov.30, 2021 21:00 – 22:00	<b>Dr. Allan Frei</b> <i>City University of New York, USA</i>	A cascading change factor method to correct multi-year precipitation variability in global climate model scenarios
<i>Session 5</i>		
Dec.10, 2021 16:00 – 17:00	<b>Dr. Douglas Maraun</b> <i>Wegener Center for Climate and Global Change, Austria</i>	Linking global to regional climate change - Chapter 10 of the working group 1 contribution to the IPCC's sixths assessment report
<i>Session 6</i>		
Dec.14, 2021 9:00 – 10:00	<b>Dr. Alex J. Cannon</b> <i>Environment and Climate Change Canada, Canada</i>	Event attribution in the context of hydrological extremes