

**3<sup>rd</sup> International Workshop on the Human-Earth System  
Dynamics and Modelling**

**Host:**

State Key Laboratory of Earth Surface Processes and Resource Ecology(ESPRES), Beijing Normal University(BNU)

**Co-Organizers:**

Institute of Land Surface System and Sustainable Development,  
BNU

IGU Commission on Geography for Future Earth: Coupled  
Human-Earth Systems for Sustainability

Center for Human-Environment System Sustainability, BNU

2020.11.03  
Beijing ,China



## 3<sup>rd</sup> International Workshop on the Human-Earth System Dynamics and Modelling

Date: Tuesday, November 03, 2020

Time: 9:00 am-17:30 pm (Beijing Time)

Venue: Online (Tencent meeting number: 893 755 697)

### Agenda

<b>09:00--09:10</b>		<b>Welcome Remarks</b>	<b>Chairman: Qingyun Duan</b>
<b>9:10--10:40</b>		<b>Chairman: Qingyun Duan</b>	
09:10--09:40	Jianping Li	Coupled Oceanic-Atmospheric Bridge and Pathways of Influence of the Northern Hemisphere Mid-High Latitudes on East Asian Climate	
09:40--10:10	Zhu Liu	Long-term hydrological response of snow-influenced upland watersheds across California's southern Sierra Nevada Mountains under a changing climate	
10:10--10:40	Chiyuan Miao	Reproducing the natural runoff dataset across China	
<b>10:40--11:00</b>		<b>Break and Discussion</b>	
<b>11:00--12:00</b>		<b>Chairman: Yan Li</b>	
11:00--11:30	Qingyun Duan	Multi-objective calibration of large-scale land surface models using MO-ASMOGS : a case study using NOAH-MP	
11:30--12:00	Xiaoming Wang	Change in Asia's Water Tower and Its Implications	



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<b>12:00--14:00 Break and Lunch</b>		
<b>14:00--15:30</b>		<b>Chairman: Cunde Xiao</b>
14:00--14:30	Yingping Wang	Estimating forest biomass in china by integrating multiple datasets
14:30--15:00	Delin Fang	Resource-emission nexus effects in urban socio-economic systems
15:00--15:30	Govindasamy Bala	Solar Geoengineering
<b>15:30--15:50 Break and Discussion</b>		
<b>15:50--17:20</b>		<b>Chairman: Xiaodong Yan</b>
15:50--16:20	Yuan Xu	Assessing the Impacts of Comprehensive Climate Factor Change on Grain Production in China
16:20--16:50	Yan Li	The crop yield responses to precipitation and irrigation
16:50--17:20	Qingxu Huang	Evaluating Ecosystem Service Supply and Demand in the Urbanizing Watersheds
<b>17:20--17:30 Discussion and Closing Remarks</b>		<b>Cunde Xiao</b>