

<i>Session Title</i>	Big Data for Disaster Risk Reduction along the Belt and Road: Challenges and Innovations
<i>Session Description</i>	<p>This session centers on disaster risk reduction (DRR) practices across Belt and Road Initiative (BRI) regions, in alignment with the global development vision of the United Nations Sustainable Development Goals (SDGs). It emphasizes the pivotal role of big data and artificial intelligence (AI) technologies in enhancing disaster resilience and coordinated governance across BRI regions. Key topics include, but is not limited to, the development of FAIR-principles data governance frameworks, AI-ready data structuring, and cross-border cooperation mechanisms design. Particularly highlight representative case studies, such as geological hazards along the China–Pakistan Economic Corridor, desertification on the Mongolian Plateau in the China–Mongolia–Russia Economic Corridor, and agro-meteorological disasters in the Amur River Basin in Far East of Asia. By promoting cross-border data integration and collaborative innovation in key technologies—such as remote sensing, intelligent modeling, disaster risk assessment, and decision support—the session aims to strengthen the role of knowledge service systems in disaster management, thus providing systematic technical support and intellectual resources for achieving goals such as Zero Hunger (SDG 2), Climate Action (SDG 13), Life on Land (SDG 15), and Sustainable Cities and Communities (SDG 11).</p>