Session Title	**Big Earth Data and AI for Disaster Risk Reduction in the Belt and Road Region**
Session Description	This session explores the transformative potential of Big Earth Data and artificial intelligence (AI) in enhancing disaster resilience across the Belt and Road region. With increasing exposure to natural hazards such as floods, earthquakes, and droughts, innovative technologies are critical for early warning, risk assessment, and mitigation strategies. Discussions will highlight cutting-edge applications of satellite remote sensing, geospatial analytics, and machine learning in modeling disaster risks and improving response efficiency. Case studies will demonstrate how data-driven approaches support cross-border collaboration, infrastructure planning, and community preparedness. Experts will also address challenges in data sharing, model accuracy, and scalability, while emphasizing the role of international partnerships in building a disaster-resilient future. This session aims to foster knowledge exchange among scientists, policymakers, and practitioners to advance sustainable disaster risk reduction aligned with the UN Sustainable Development Goals (SDGs).