

Session A18 **Earth Intelligence in Action: Advancing the GEO  
Wildfire-Health Nexus from Monitoring to Mitigation**

**Time: 13:30-15:00, 8th September**

**Room: 305C**

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	BAI Yuqi, Tsinghua University, China
	Amadou Sall, Centre de Suivi Ecologique (CSE), Senegal
	Emilio Chuvieco, University of Alcalá, Spain
Co-Chairs	LI Fang, Chinese Academy of Sciences, China
	LI Suju, National Disaster Reduction Center of China, China
	HOU Weimin, Hebei University of Science and Technology, China
	CAO Yufeng, Beijing Forestry University, China

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**Global Health Impact Assessment of Future Wildfires**

LIAO Yuanhong (Tsinghua University, China)

**Wildfire Monitoring Systems in Senegal: MODIS Data Applications**

Amadou Sall (Centre de Suivi Ecologique (CSE), Senegal)

**Global Fire Datasets and Climate Modeling: The Role of Satellite  
Monitoring**

Emilio Chuvieco (University of Alcalá, Spain)

**Satellite-Based Emergency Response for Wildfire Management**

LI Suju (National Disaster Reduction Center of China, China)

**Projection of boreal wildfire and carbon emission changes from 2025 to  
2050**

CAO Yufeng (Beijing Forestry University, China)

**Remote Sensing Signal Processing for Wildfire Detection**

HOU Weimin (Hebei University of Science and Technology, China)

**Design of Coalfield Fire Range Detection Method Based on Multi-source  
Remote Sensing**

LIU Yiheng (China University of Mining and Technology, China)

**Mapping the Wildland–Urban Interface Based on Building-Level**

**Wildfire Exposure Risk: A Case Study in Northern Alberta, Canada**

WANG Zimeng (Tsinghua University, China)

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