# SEPT. 21-27, 2023 CHENGDU, CHINA

# The XIV Congress of the International Association for Engineering Geology and the Environment



Session 2-3

# Changes in the permafrost eco-environment and its adaptive protection

## Conveners

**Dongliang Luo** 

and Resources, CAS





- Characteristics and degrading modes, degrees and extents, and ecohydrological effects of permafrost
- Identification and risk evaluation of thermokarst phenomena related to permafrost
- Changes of growth and metabolism of microbes, and decomposition and release of organic carbon and nitrogen across the permafrost regions
- Variations of vegetation community composition and disturbance of the ecosystem linked with permafrost change
- Changes of local, regional and global water resource, rising of sea level, coastal residents, ocean currents, and water circulation patterns by the degradation of permafrost
- Ecological restoration of degraded permafrost systems
- · Research and policy planning on adaptive measures for degraded permafrost systems

# Important Dates Abstract for Oral Presentation and Poster Submission Deadline Jun. 30, 2023 Aug. 10, 2023 Online Registration Deadline SubMission SUBMISSION

#### . For the full-length submission

The submission system is now open for full-length papers. The deadline for submission of full-length paper has been extended to May 31, 2023. Please read the guidelines for paper submittal prior to submitting your full-length paper.

Please read the guidelines prior to submitting your full-length paper or long abstract at https://www.iaeg2023.org/cfp.html

#### For the abstract submission

The abstract submission system for oral presentations and posters is open! If you would rather prepare an abstract for an oral or poster presentation, rather than submitting a full paper, please submit your abstract for consideration by June 30, 2023. Please read the guidelines prior to submitting your abstract at https://www.iaeg2023.org/cfa.html







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- Characteristics and degrading modes, degrees and extents, and eco-hydrological effects of permafrost
- · Identification and risk evaluation of thermokarst phenomena related to cryosphere
- Changes of growth and metabolism of microbes, and decomposition and release of organic carbon and nitrogen across the cryosphere
- Variations of vegetation community composition and disturbance of the ecosystem
- Changes of local, regional and global water resource, rising of sea level, coastal residents, ocean currents, and water circulation patterns by the retreat of cryosphere
- · Ecological restoration of degraded cryosphere systems
- · Research and policy planning on adaptive measures for degraded cryosphere systems

# Image: Submission Deadline Image: Submission Deadline Jun. 30, 2023 Image: Submission Deadline Submission Deadline Aug. 10, 2023 Submission Deadline Sept. 21, 2023

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