

Progress Report of ICL Network

1. Project Title of Network:

ICL Landslides in Cold Regions Network

2. Name of coordinators (Affiliation and emails)

Wei Shan

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3. List of member organizations

1. Institute of Cold Regions Science and Engineering Northeast Forestry University, China
2. JSC "Hydroproject Institute", Russia
3. Research Institute for Natural Hazards and Disaster Recovery, Niigata University, Japan
4. Geological Survey of Canada
5. Department of Earth Sciences, University of Firenze, Italy
6. Department of Geosciences, Shimane University, Japan
7. College of Construction Engineering, Jilin University, China
8. College of Geology Engineering and Geomatics, Chang'an University, China.
9. Department of Geography, University of Zurich, Switzerland
10. Ministry of Forests, Lands and Natural Resource Operations, Canada
11. Earth Cryosphere Institute SB RAS, Russia
12. Georadar Division, IDS Ingegneria Dei Sistemi S.p.A. Italy
13. Science Department of Physical Geography and Geocology, Charles University, Prague, Czech.

4. Progress report of activities

*In 2023, the central state-owned capital operation budget project "Whole process construction management of highway in the permafrost degradation area of Northeast China" was approved by the Department of Finance of the Ministry of Education in 2023.06.19. The project cycle is two years, and the project capital is 12 million yuan.

*Florence, Italy, attended the 6th International Landslide Forum (WLF6), at the opening ceremony of WLF6, the Institute of Cold Region Science and Engineering of NEFU was awarded the title of "Global Center of Excellence for Landslide Risk and Disaster Reduction" for the fourth time.

*The Institute of Cold Region Science and Engineering of NEFU signed a letter of intent to jointly build the "International Joint Laboratory for Permafrost Remote Sensing Data Processing" with the Civil Defense Center of the University of Florence, Italy.

5. Plan of future activities

To Coordinate the projects of group members. To Plan to hold academic conference on the landslides triggered by snowfall, permafrost melting.

6. Publication (ICL Journal Landslides, ICL Book Series, etc.)

Development of a frozen soil dielectric constant model and determination of dielectric constant variation during the soil freezing process[J]. Ying G, Shuang X, Wei S. Cold Regions Science & Technology, 2018, 151:28-33.

Effect of exogenous salicylic acid on salt tolerance of *Hosta ensata* [J].EUROPEAN JOURNAL OF HORTICULTURAL SCIENCE,2023,SCI

Numerical Analysis on the Stability of Sandstone-Covered Mudstone Cutting Slopes Considering Rainfall Infiltration APPLIED SCIENCES-BASEL[J].2023,SCI

Impacts of Climate Change on Permafrost and Hydrological Processes in Northeast China Sustainability[J].2023, SCI

Hydrological-thermal Coupling Simulation of Silty Clay during Unidirectional Freezing Based on Discrete Element Method[J]. Water.2023, SCI

