

Date of Submission	October 9, 2025
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Progress Report of ICL Network

1. Title of Network: ICL Latin America Network

2. Name of Coordinator (Affiliation and email):

Irasema Alcántara-Ayala

Institute of Geography, National Autonomous University of Mexico (UNAM)

Full Professor

Av. Universidad 3000, Circuito Exterior, Ciudad Universitaria

04310, Coyoacán, México, D.F., Mexico City, Mexico

E-mail: ialcantara@geografia.unam.mx

3. List of member organizations

Guillermo Ávila/Full Professor

Civil and Agricultural Engineering Department

Universidad Nacional de Colombia

E-mail: geavilaa@unal.edu.co

4. Progress report of activities:

Development of ICL projects, landslide mapping, monitoring and evaluation

Publications in the ICL Book Series Progress in Landslide Research and Technology

Landslide publications in diverse journals and books

Development of a project using InSAR techniques for landslide monitoring in Bogotá City and extension to other high-risk areas

Acquisition of laboratory optical fibre equipment for research on landslide deformation monitoring

Research on the calculation of landslide velocities and displacements using the work–energy method

Periodic teaching of the course “Geotechnical Risks”, promoting student engagement and discussion of ICL activities

Plan of future activities:

Scientific support during major landslide disasters in Latin America

Field evaluation, landslide assessment and mapping

Capacity building for young scientist

Publication of landslide study cases from Latin America

Strong support for the Sendai-ICL partnership and the Kyoto Commitment

Research on the applications of optic fibre instrumentation and Interferometric InSAR techniques

to monitor landslides

Integrated research on landslide disaster risk

Landslide disaster risk perception and communication

Publications in the ICL Book Series Progress in Landslide Research and Technology

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

Journals

- Hernández-Cadena, K.M.* & Alcántara-Ayala, I.@ (2025). Landslide Disaster Risk Perception in times of COVID-19: a student's perspective, AUC Geographica 60(1), <https://doi.org/10.14712/23361980.2024.23>
- Alcántara-Ayala, I. (2025) Landslides in a Changing World, Landslides Journal, <https://doi.org/10.1007/s10346-024-02451-1>.
- Alcántara-Ayala, I. (2025) Mountains of Hope: Contributing to the Sustainable Development Goals through Integrated Landslide Disaster Risk Management, Journal of Mountain Science, <https://doi.org/10.1007/s11629-025-9536-0>
- Alcántara-Ayala, I. (2025). Cascading hazards and compound disasters. npj Natural Hazards, 2(1), 54. <https://doi.org/10.1038/s44304-025-00111-5>

ICL Book Series

- Abolmasov, B. Alcántara-Ayala, I., Arbanas, Ž., Huntley, D., Konagai, K., Mikoš, M., Sassa, K., Sassa, S., Tiwari, B. (Editors) (2024) Progress in Landslide Research and Technology, Volume 3 Issue 2, 2024, Springer Cham, ISBN: 978-3-031-72735-1, 559 pp.
- Abolmasov, B. Alcántara-Ayala, I., Arbanas, Ž., Huntley, D., Konagai, K., Mikoš, M., Sassa, K., Sassa, S., Tiwari, B. (Editors) (2025) Progress in Landslide Research and Technology, Volume 3 Issue 2, 2024, Springer Cham, ISBN: 978-3-031-72735-1, 559 pp.
- Abolmasov, B. Alcántara-Ayala, I., Arbanas, Ž., Konagai, K., Mikoš, M., Sassa, K., Sassa, S., Tiwari, B., Tofani, V. (Editors) (2025), Progress in Landslide Research and Technology, Volume 4 Issue 1, 2025, Springer Cham, ISBN: 978-3-031-89838-9

Chapters, ICL Book Series

- Hernández-Cadena, K.M.*, Garnica-Peña, R.J., González-Sánchez, J., Alcántara-Ayala, I. (2024) Understanding Landslide Awareness: Exploring Students' Disaster Risk Perception in Higher Education Institutions. In: Abolmasov, B., et al. Progress in Landslide Research and Technology, Volume 3 Issue 2, 2024. Progress in Landslide Research and Technology. Springer, Cham.
- Alcántara-Ayala, I. (2025). Interweaving Systems of Knowledge: Leveraging Transdisciplinary Research to Strengthen Landslide Disaster Risk Reduction. In: Abolmasov, B., et al. Progress in Landslide Research and Technology, Volume 4 Issue 1, 2025. Progress in Landslide Research and Technology. Springer, Cham.

https://doi.org/10.1007/978-3-031-89836-5_3

- Sánchez-Rojo, M., Garnica-Peña, R.J., Alcántara-Ayala, I. (2025). From Sky to Safety: Unmanned Aerial Vehicles and Geomorphological Insights to Local-Scale Household Landslide Exposure. In: Abolmasov, B., et al. Progress in Landslide Research and Technology, Volume 4 Issue 1, 2025. Progress in Landslide Research and Technology. Springer, Cham. https://doi.org/10.1007/978-3-031-89836-5_2

Book chapters - others

- Alcántara-Ayala, I. (2024). Landslide Disaster Risk: Refreshing Notions and Terminology in the Context of the Sendai Framework for Disaster Risk Reduction, In Sarmiento, F. and Gunya A. (Eds.) Mountain Lexicon, A Corpus of Montology and Innovation, Springer Cham, 262 p. ISBN 978-3-031-64884-7, DOI: 10.1007/978-3-031-64884-7