Preliminary Conference Schedule

103rd Journées Luxembourgeoises de Géodynamique

Luxembourg, November 19–21, 2025

Wednesday, November 19, 2025

10:00–12:00 Arrival and registration of participants Coffee and welcome desk open in the lobby.

12:00–13:30 *Welcome lunch*

13:30–14:00 Opening and welcome speech *Adrien Oth, Nicolas d'Oreye et Jérome Lavé*

14:00–15:30 **Session 1: Remote Sensing for Mapping and Monitoring of Slow-Moving Landslides (Part 1)** — Chair: N. d'Oreye & Q. Glaude

- 14:00–14:30 Mapping and Monitoring of Slow-Moving Landslides in Upper Mustang (Nepal) Using Optical Images Correlation and InSAR — L. Maury
- 14:30–15:00 30+ Yrs of Satellite-based Monitoring of Slow-moving Landslides in Central Nepal using Pixel Tracking — L. Letellier
- 15:00–15:30 Improving the reliability of InSAR time series in periglacial environments using FLATSIM products — H. Watine

15:30–16:15 *Coffee break*

16:15–17:45 **Session 1: Remote Sensing for Mapping and Monitoring plenty of things (Part 2)** — Chair: N. d'Oreye & Q. Glaude

- 16:15–16:45 Birth and removal of a landslide dam in a controlled tropical river gorge — A. Dille
- 16:45–17:15 Multi-Mission PSInSAR Assessment of Long-Term Ground Deformation Processes in Belgium — P.-Y. Declercq
- 17:15–17:45 Recent satellite-based radar and optical monitoring of the activity of retrogressive slow-moving landslides in Nepal during monsoon — S. Daout

18:00–19:00 *Guided tour of Luxembourg City*

Thursday, November 20, 2025

09:00–10:00 **Session 2: Landslides and Landscapes** — Chair: D. Smittarello & A. Dille

09:00–09:30 Giant collapses of high Himalayan peaks and their impact on the Himalayan landscapes — J. Lavé

09:30–10:00 Shaped by landslides – how interacting tectonics, lithology and urbanisation define slope stability in Bukavu and the Ruzizi Gorge (DR Congo) — O. Dewitte

10:00–10:30 *Coffee break*

10:30–12:00 **Session 3: Geophysical Monitoring of Slow-Moving Landslides** — Chair: D. Smittarello & L. Letellier

10:30–11:00 Field Deployment of a Multi-Instrument Monitoring Network for "SLIDE" project in Nepal: Technical and Community Insights — M. Jaspard

11:00–11:30 Monitoring slow-moving landslides with seismic sensors: Preliminary insights from an instrumental deployment on a km-scale landslide in Nepal — J. Barrière

11:30–12:00 Slow-Moving Landslides in Central Nepal: Strategy for Mass Processing of InSAR Time Series — N. d'Oreye

12:00–13:30 *Lunch*

13:30–15:15 **Session 4: Dynamics, Forcing and Controls of Slow-Moving Landslides** — Chair: J. Barrière & L.Maury

13:30–14:00 Geo-hydrological hazard risks in changing tropical Africa: natural or human-induced processes? — O. Dewitte

14:00–14:30 Unstable Slopes and Shifting Landscapes: Slow-moving landslides in the East African Rift — A. Dille

14:30–15:00 Dynamics and controls of a tropical slow moving landslide measured by remote sensing: the study case of Grand Éboulis, Réunion Island. — D. Smittarello

15:00–15:30 Large-Scale InSAR Processing and Machine Learning for Himalayan Slow-Moving Landslide Detection: Integrating Mass Data Processing, Climate Modeling, and High-Performance Computing — Q. Glaude

15:30–16:15 *Coffee break*

16:15–17:45 **Round table** *To be defined* Moderator: A. Oth & ?

19:00–21:00 *Conference dinner — Restaurant*

Friday, November 21, 2025

09:00–10:00 **Session 5: White Session** — Chair: A. Oth & H. Watine

09:00–09:30 Numerical modeling of Mt Merapi 2020 instability crisis — L. Scholtès

09:30–10:00 Assessing Earth's crustal deformation through GNSS network analysis: insights from Iran and the Luxembourg permanent GNSS network — P. Shafiei

10:00–10:30 *Coffee break*

10:30–12:00 **Discussion on SLIDE Project** Open feedback and collaboration session. Chair: J. Lavé & N. d'Oreye

12:00–13:30 *Lunch and closing of the JLG 2025*