V Assembly of the Latin American and Caribbean Seismological Commission, LACSC, San José Costa Rica, June 2024

Meeting report



Figure 1. Participants attending the field trip to the Poas Volcano on June 28, 2024.

The V Assembly of the Latin American and Caribbean Seismological Commission (LACSC) took place from 24 to 28 June 2024, in San José, Costa Rica, attracting a total of 173 registrations from Latin American, the Caribbean, United States and Europe. On site, a total of 141 participants were registered, among them, 18 graduate and undergraduate students who received full financial and accommodation support to attend and participate of the meeting.

In general, the LACSC meeting resulted in 126 oral presentations and 49 poster presentations across 13 thematic sessions. These sessions provided a platform for researchers to share findings on seismic hazards, earthquake engineering, and emerging technologies in seismology. The final program of the meeting is attached to this document.

The assembly featured two workshops: one on Distributed Accoustic Sensing (DAS), and another on moment tensor inversion, which delved into both theoretical and practical applications relevant to the region's seismic challenges. These workshops allowed participants to deepen their technical knowledge and exchange insights on critical methodologies shaping the field.The Assembly featured a keynote talk on DAS,



Figure 2. Photos showing different moments of the LACSCS meeting and Assembly, including the voting process for the next avenue in 2026.

emphasizing the latest advancements and applications in an area of growing importance for the region's seismological community. Additionally, two panel discussions provided essential forums for expert dialogue on seismic hazards in Latin America and the Caribbean and the development of building codes tailored to improve resilience against seismic activity.

With support from the International Union of Geodesy and Geophysics (IUGG), the International Association of Seismology and Physics of the Earth's Interior (IASPEI), and the United States Agency for International Development (USAID), 30 full grants and seven registration grants were provided to assist early career scientist and students to attend the meeting. This financial support played a vital role in facilitating a diverse and inclusive assembly, underscoring the commitment of international organizations to advancing seismic research and resilience in the region.

In addition to the presentations, workshops, and collaborative discussions, the Assembly included the election of a new board for LACSC. The newly elected board members are tasked with steering LACSC's future initiatives, promoting research collaboration, supporting scientific development, and organizing the VI LACSC Assembly that will take place in 2026 in Mexico.



Figure 3. Group photo during the LACSC assembly on June 27, 2024.

Organizing Committee:
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Dayana Mora *(National Academy of Sciences of Costa Rica)*
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