

Geophysical Hazards and Plate Boundary Processes in Central America, Mexico and the Caribbean

**A Workshop to Build Seismological
Collaboration and Capacity**

Framing the Workshop

Karen M. Fischer, Brown University, U.S.A.



Organizing Committee

- Olga Cabello, IRIS, U.S.A
- Karen Fischer, Brown University, U.S.A.
- Victor Huerfano, Puerto Rico Seismic Network, Puerto Rico
- Art Lerner-Lam, LDEO of Columbia University, U.S.A.
- Daniel McNamara, U.S. Geological Survey, U.S.A.
- Mauricio Mora, Universidad de Costa Rica, Costa Rica
- Marino Protti, Universidad Nacional de Costa Rica, Costa Rica
- Jay Pulliam, Baylor University, U.S.A.
- Richard Robertson, University of the West Indies, Trinidad and Tobago
- Gerardo Suarez, Universidad Nacional Autonoma de Mexico, Mexico
- Christa von Hillebrandt-Andrade, NOAA NWS Caribbean Tsunami Warning Program, Puerto Rico
- Raymond Willemann, IRIS, U.S.A

Workshop Participants

- 90+ people from 18 countries
- Government agencies, universities, private sector
- Wealth of expertise:
 - Seismic and geodetic networks
 - Broad range of geophysical research
 - Education and human capacity building
 - International development planning
 - Reduction of vulnerability to natural hazards

Workshop Goal

Lay foundation for a regional organizational structure that will:

- Enhance seismological and geodetic research and monitoring
- Reduce vulnerability to natural hazards

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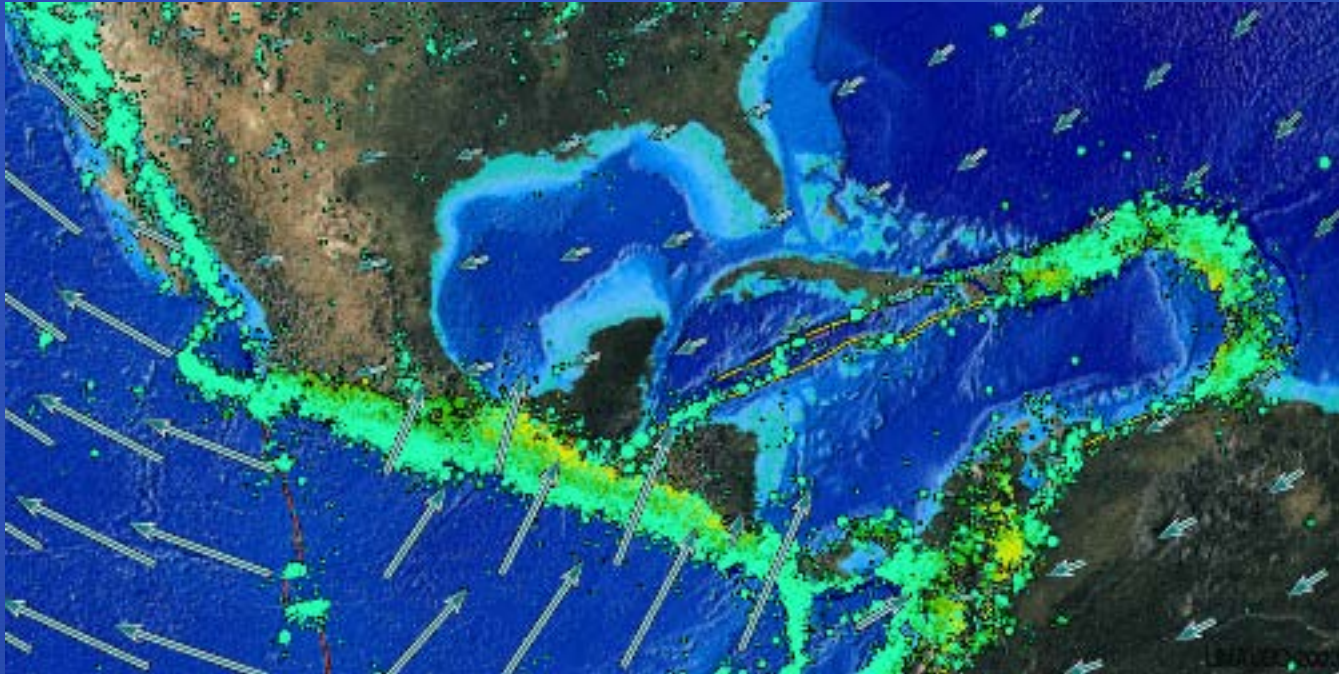
Key elements:

- Human capacity building and facilities
- Collaboration
- Longterm sustainability

Plate motions

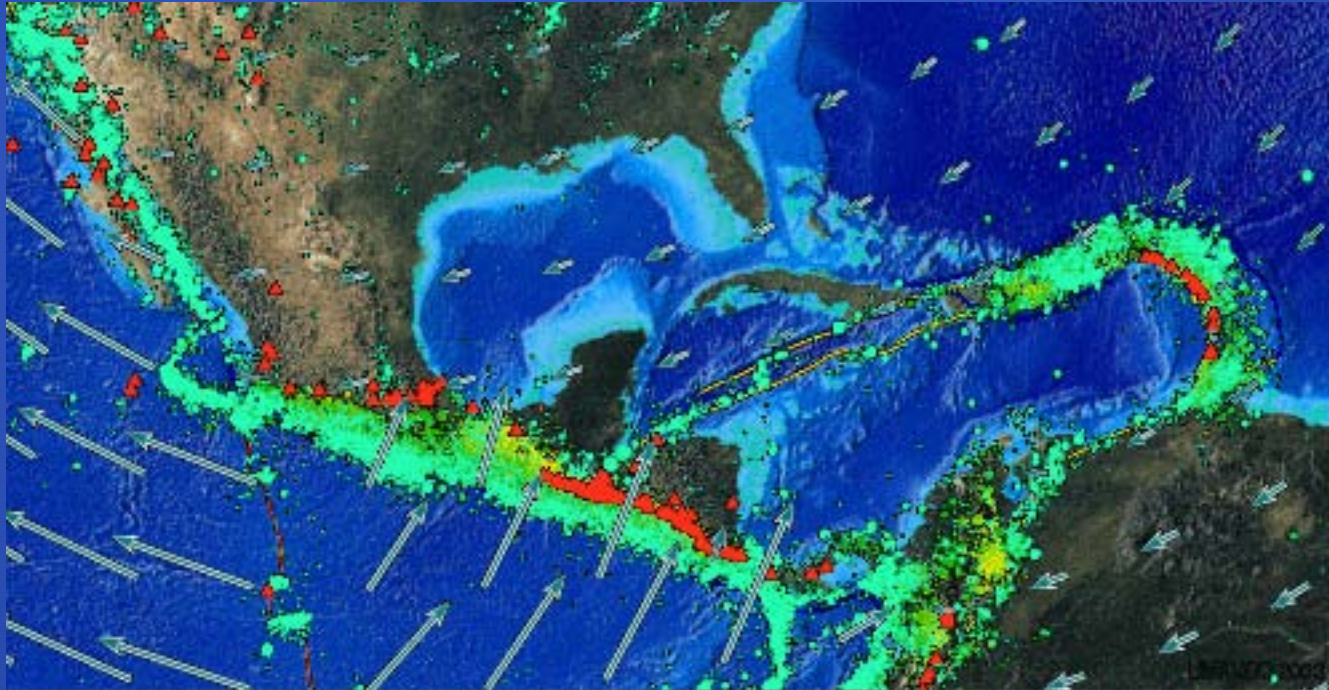


Plate motions, earthquakes



UNAVCO

Plate motions, earthquakes, volcanoes



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“6 Pillars”

- Regional data archiving and exchange
- Research products to address hazard mitigation needs
- Regional instrument sharing and joint experiments
- Education and training programs
- Support for research collaborations
- Organizational structure

Today

Morning

- Geophysics in Service to Society
- Understanding Plate Boundary Processes

Afternoon

- National and Regional Perspectives on Existing Capabilities and Needs

Evening

- Posters and discussion

Tuesday

Morning

- Cooperative Facilities Supporting Geophysical Research
- Scientific Development Opportunities and Strategies for Risk Reduction

Afternoon

- Breakout Sessions focused on “6 Pillars”

Evening

- Posters and discussion

Wednesday

Morning

- Reports from 6 Breakout Sessions
- Discussion of Concrete Steps Moving Forward

Afternoon

- Discussion of Concrete Steps Moving Forward
- Ratification of Workshop Outcomes



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