



Strengthening the CTBTO Verification Regime through the Socialization of IMS Technologies: Insights from the Permanent Exhibition ¡Habla Tierra! Venezuela, Seismic Country.

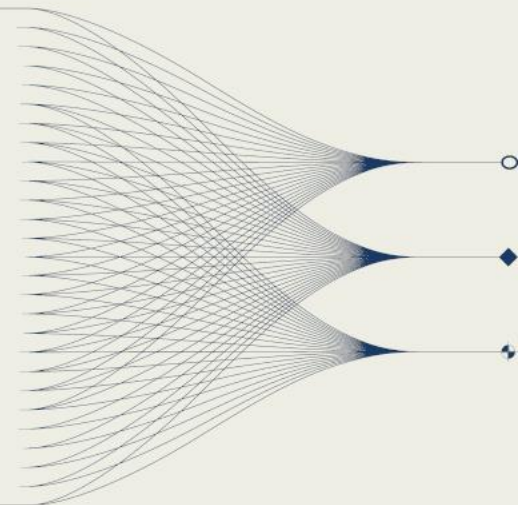
M. Durán, A. Pérez, O. Durán.

Venezuela Fundación for Seismological Research (FUNVISIS)



INTRODUCTION AND MAIN RESULTS

The Venezuelan Foundation for Seismological Research (Funvisis) and the National Museums Foundation, through the Science Museum, have created a permanent exhibition to raise national awareness about our seismological activity, its characteristics and consequences, integrating the technologies of the International Monitoring System (IMS) into the exhibition as a tool to complement the training and education program.



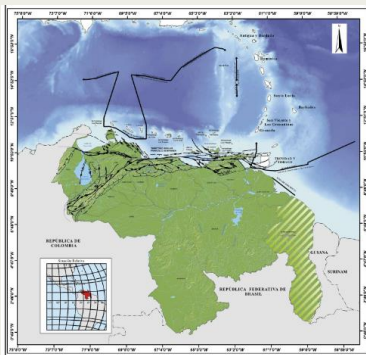
Author(s) Mayda Durán; Ana Pérez; Osmar Durán

P5.3-788

Introduction

The Venezuelan Foundation for Seismological Research (Funvisis) is the organization responsible for conducting and promoting seismological research and studies, as well as for the operation and maintenance of Venezuela's seismological service stations, from which all national seismological activity is recorded and monitored. It was established on July 27, 1972, by Presidential Decree No. 1053, published in Official Gazette No. 29,864.

The objective and mission of Funvisis is to investigate the national seismological situation to guide life-saving actions in the event of earthquakes. Based on this premise, the Venezuelan Foundation for Seismological Research (Funvisis) and the National Museums Foundation, through the Science Museum, have created a permanent exhibition to raise national awareness of our seismological activity.



Map 1: Bolivarian Republic of Venezuela (blue Venezuela)
Cartographic author: Gloria Romero.

Methods/Data

The permanent exhibition ¡HABLA TIERRA! Venezuela, País Sísmico (Speak Earth! Venezuela, Seismic Country) is located in Room 1 of the Museum of Sciences in Caracas. It is open from Tuesday to Sunday. Expert guides and seismologists will provide you with a simple understanding of the national geological situation, allowing you to discover why earthquakes and tsunamis occur, and what to do before, during, and after an earthquake.

The objectives of the permanent exhibition include:

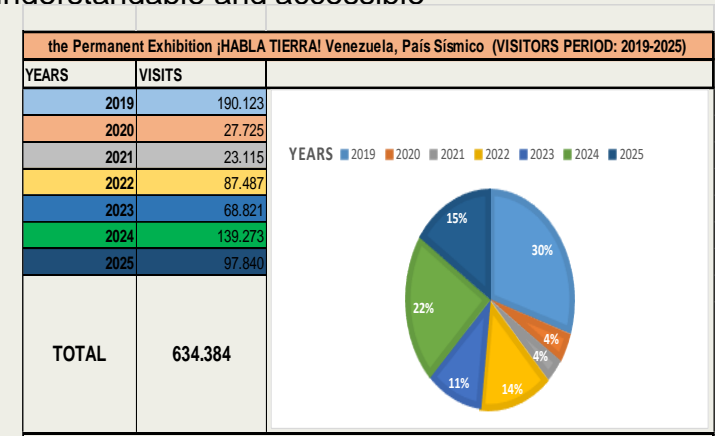
- To reduce the population's vulnerability to earthquakes.
- To promote the development of scientific research in the geosciences.
- Incorporating young students as museum guides, training them with IMS technologies, represents an innovative strategy for fostering scientific careers in the geosciences. It brings complex concepts to the general public through young educators and strengthens transversal skills such as communication, critical thinking, and teamwork.

as part of the strategies implemented for the generation, updating, and dissemination of content, a training program was developed to facilitate the involvement of young students and their preparation as museum guides. this initiative encourages and enables their subsequent integration into the field of geosciences.

Results

Since its opening in 2019, the exhibition has helped educate more than 600,000 people about seismology. This effort has contributed to:

- Recognizing that Venezuela is a seismic country.
- Preparing the population to act with knowledge and responsibility
- Demystifying the science of earthquakes, making it understandable and accessible



Conclusions

As a seismic country, Venezuela has managed to position this geological reality in the collective imagination, which is key to fostering a culture of prevention. Training university students as museum guides opens up opportunities for their professional development in scientific fields. Presenting information in a simple way and with specialized guides facilitates the understanding of complex phenomena such as earthquakes and tsunamis.

The exhibition has reached more than 600,000 people, demonstrating significant progress in the seismological literacy of the Venezuelan population, providing initiatives that can serve as a reference for other countries with high seismic activity seeking to educate and prepare their populations.



Recommendations

- Expand the exhibition to other regions of the country: Bringing traveling versions of ¡Habla Tierra! to cities with high seismic vulnerability could expand its educational reach.
- Integrate seismic literacy into the school curriculum: Including seismic prevention content starting in basic education would strengthen a culture of prevention from an early age.
- Strengthen partnerships with media outlets: Disseminating educational content about earthquakes on television, radio, and social media can multiply the impact of the exhibition.
- Evaluate the long-term impact: Implement monitoring mechanisms to measure how the exhibition has changed behaviors and preparedness levels among the population.

Want to learn more about the permanent exhibition "Speak Earth! Venezuela, Seismic Country" in Hall 1 of the Science Museum?

🔍 Funvisis invites you to follow them on social media

👉 @somosFunvisis

🌐 And stay informed by visiting their website:

www.funvisis.gob.ve

Explore, learn, and prepare! 🌐

