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Project Proposals

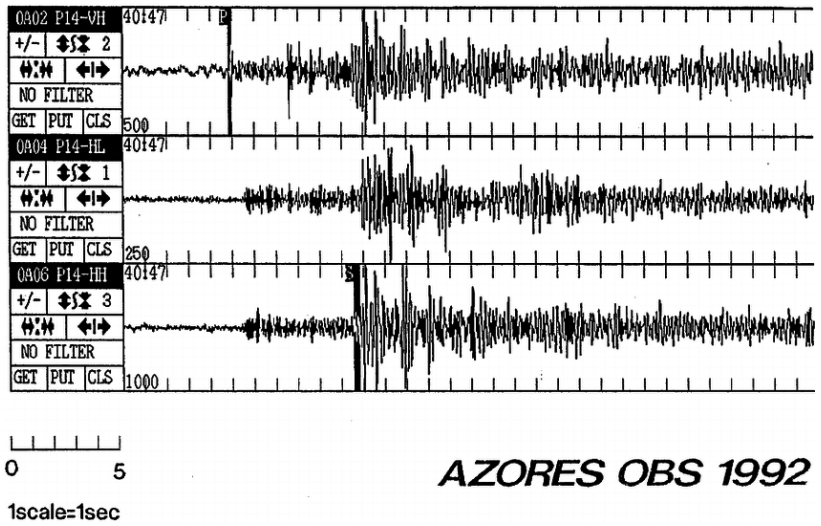
Summer School 2024

[Group 1]

Problem statement

In a world increasingly vulnerable to natural disasters, traditional seismographs, while effective in scientific contexts, often difficult to resonate with the broader public.

Earthquakes are more than just physical events; they are profound experiences that resonate on psychological, cultural, and emotional levels.



Project focus

This project aims to engage how we experience seismic data by creating an experience (artistic) and non-standard seismograph that merges cultural symbols and elements of nature.

In many cultures, totems symbolize a deep connection between the natural world, spiritual beliefs, and community identity. Drawing on this notion, our project seeks to create a bridge between the science of seismology and the cultural and psychological, physiological experiences.

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Individual Contribution and Interdisciplinarity

The art and humanities contribute cultural insights, IT provides the technological tools and data processing needed to transform seismic data into interactive and accessible visual formats; and science experts offer the foundational knowledge of seismology, ensuring the accuracy and reliability of the data.

Together, we collaborate to create a scientifically sound artistic objects that highlights relationship between complex seismic information and individual experience of a seismic event.

Impact

Our project seeks to create —a link between the science of seismology and the cultural, artistic and psychological dimensions.

By translating scientific data into culturally and psychologically resonant visualizations, the project helps making the information more relatable and easier to grasp for non-experts.

Project plan

Stage

- Collect real time data
- Audification
- Objects put togethers

Resources

- Raspberry Pi
- Speakers
- Powerbank
- 3D-printed (Totem Casing)