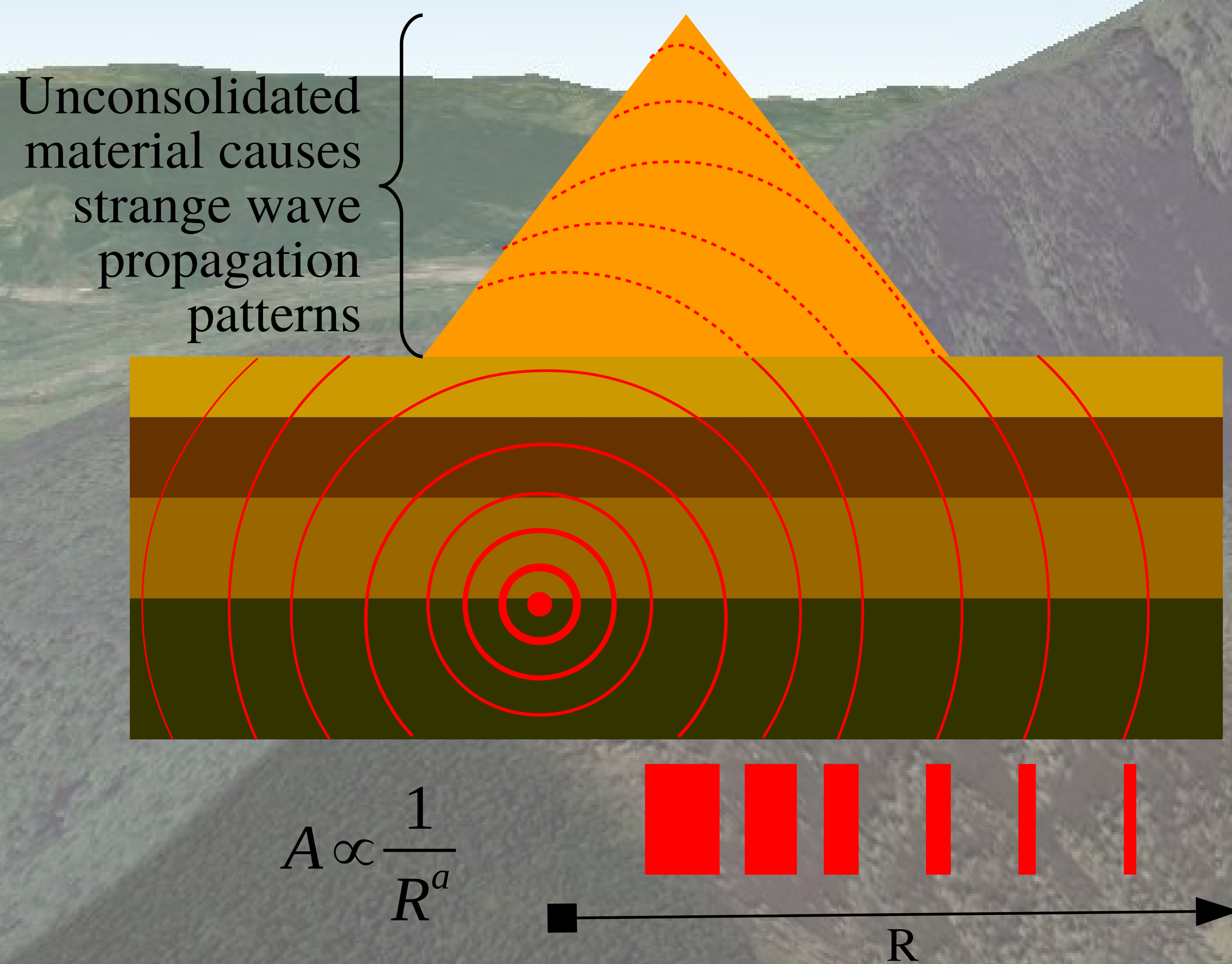
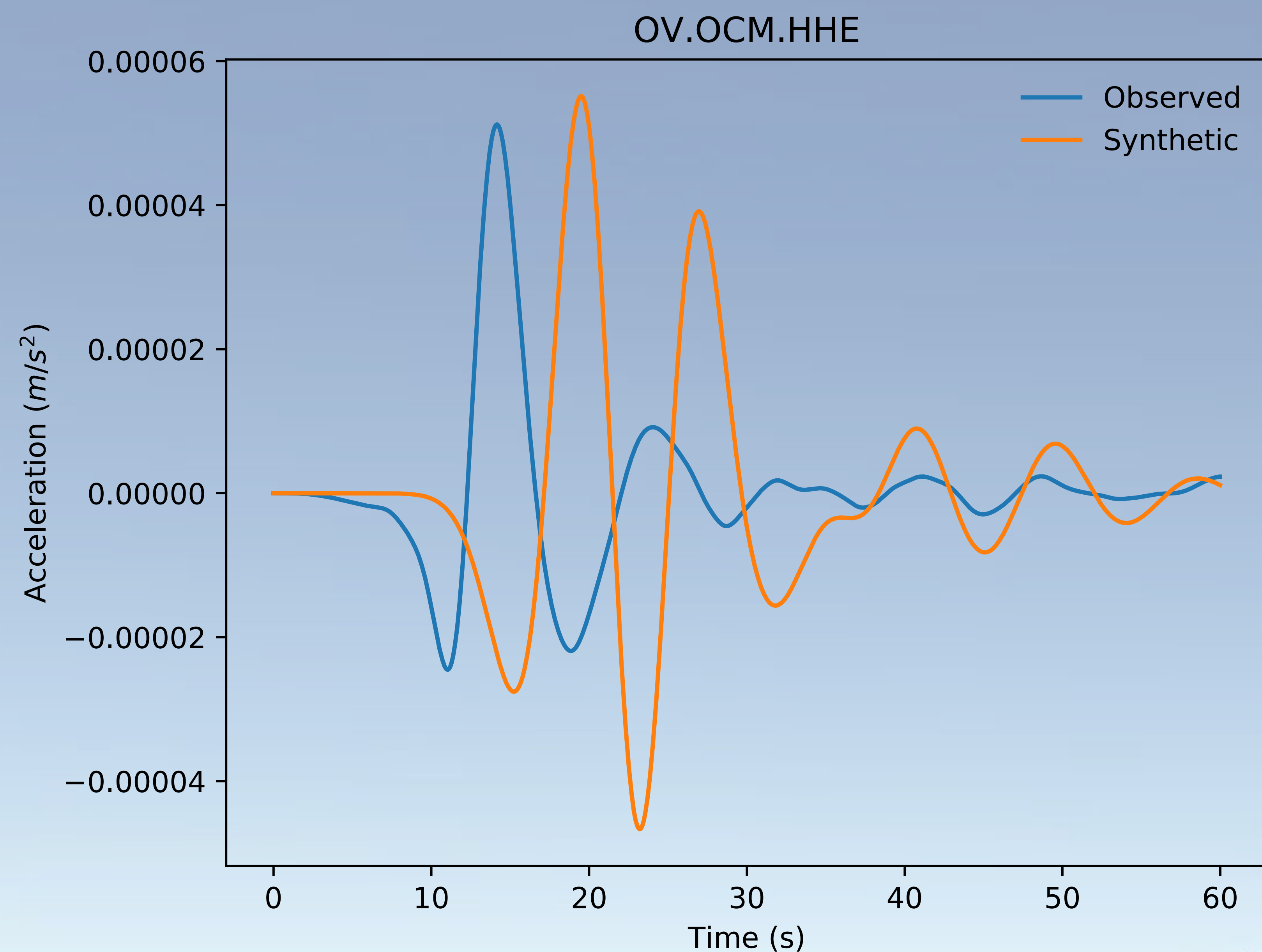


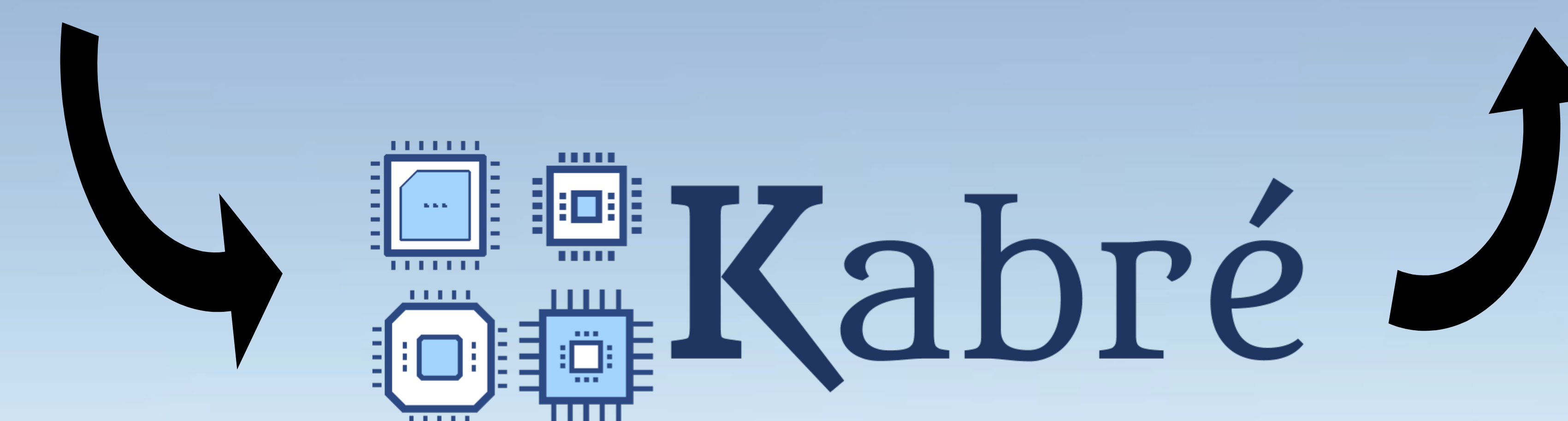
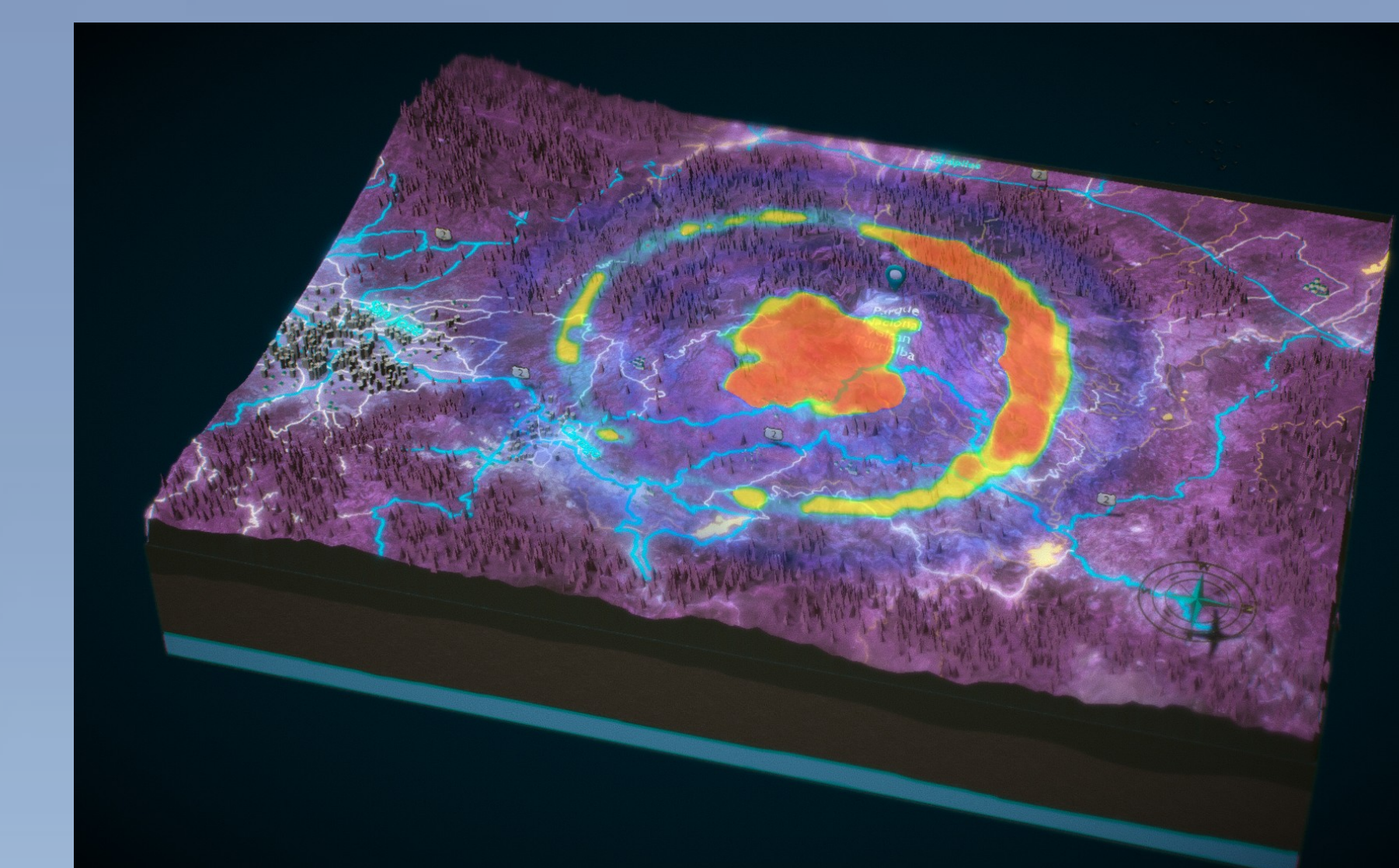
First steps to sketch Turrialba Volcano:

- Improving crustal model
- Earthquake template matching
- Parallel tremor location algorithm



Why we need supercomputers?

- Huge amount of data (~ 400 TB)
- High computational load
- Complex mathematical models



Sketching Active Volcano Interiors with Advanced Computing

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1 km

Google Earth

Image Landsat / Copernicus
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 Data LDEO-Columbia, NSF, NOAA

