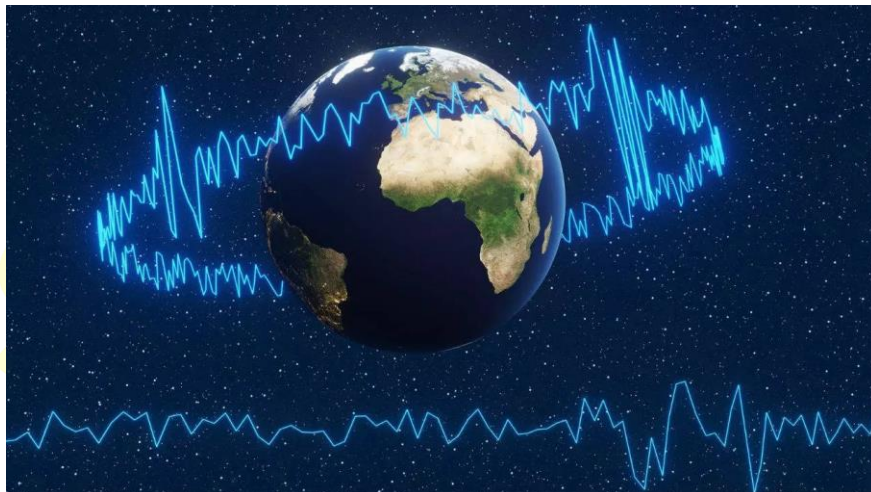


How Scientists Solved Mysterious Signals Detected Globally

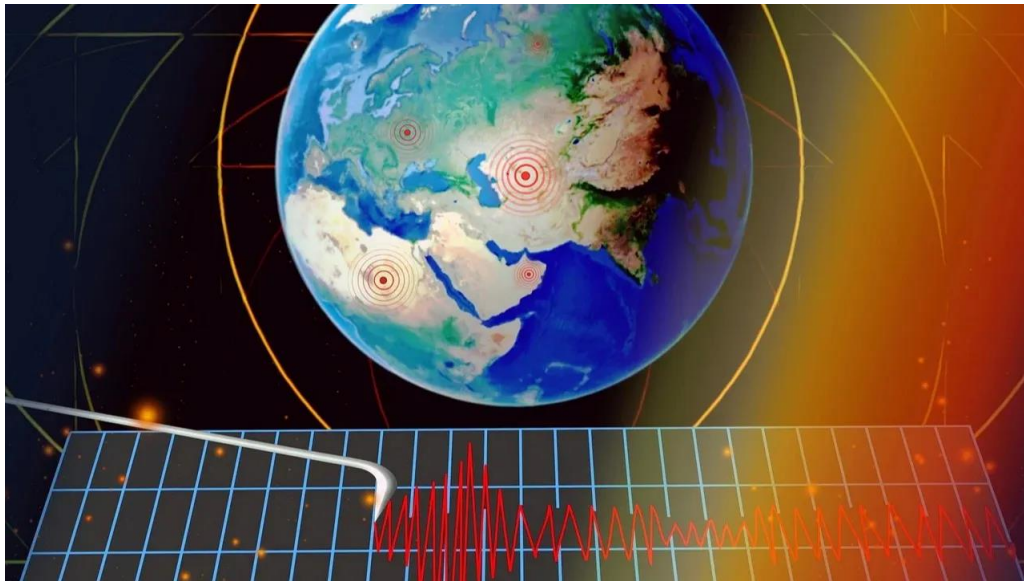
Why In News

- **Scientists monitoring global seismic activity** detected unusual signals that stretched **from the Arctic to the Antarctic**, as per the recent reports. These signals were a **continuous hum** with a single frequency vibration and lasted for nearly nine days, unlike typical earthquake waves.

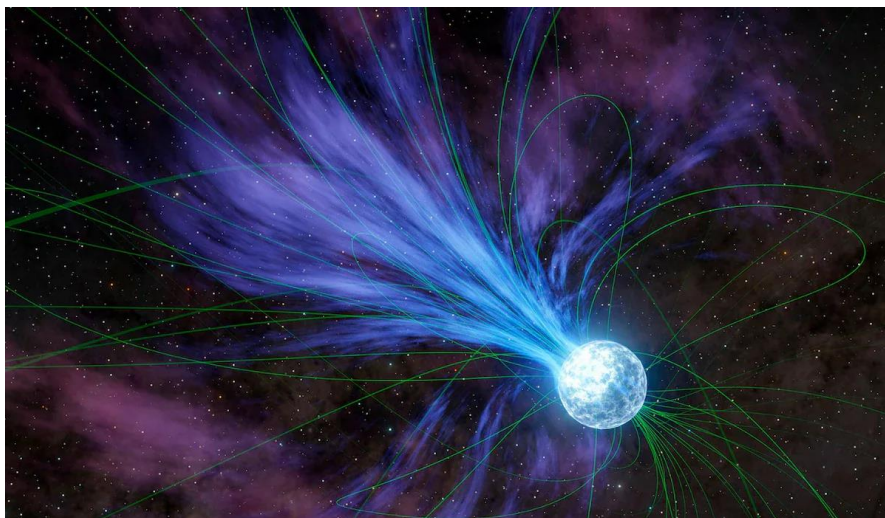


About The Incident

- In an unprecedented event, a **peculiar seismic phenomenon** resonated around the planet for an **astonishing nine-day period**.
- Scientists initially thought it was produced by **small earthquakes**, but the frequency did not match any historical data. This mysterious sound on the same frequency was picked up by seismic instruments around the world in September 2023. Like the '**Unidentified Flying Objects**' (UFO), this mysterious sound was dubbed an "**Unidentified Seismic Object**" (USO) by the scientific community.
- Primary investigator behind a **groundbreaking study** on the event explained USO as a colloquial term used by seismologists when confronted with such unknown seismic phenomena.



- **Led by Dr Svennevig, about 70 experts** from 15 countries embarked on a quest to decode the nature of this seismic hum. Initial investigations ruled out the possibility of an earthquake, leading them down a path of discovery that would lead to a startling revelation.
- The **scientific trail led researchers to a remote fjord in eastern Greenland.** There, they discovered the source of the planet-wide humming sound.
- Scientists found clues of a catastrophic geological event of staggering proportions. **A colossal mountain peak, towering 1.2 kilometres above the Dickson fjord, had collapsed.**



- The collapse triggered a huge avalanche, **unleashing over 25 million cubic meters** of rock and ice into the almost frozen waters of Greenland. This debris was sufficient to fill **10,000 Olympic-sized swimming pools.**

- The researchers say this **massive displacement of material** set in motion a chain of events that would resonate across the globe.
- The initial impact generated a monstrous tsunami, with waves reaching an astounding height of **200 meters - equivalent to 60-story skyscrapers**. This was one of the largest recorded tsunamis of modern times.



- It was this sloshing of water, driven by the energy produced by the avalanche, that set off the strange seismic signal, which was detected from the Arctic to Antarctica.
- The event is once again a stark reminder of how rapidly the delicate balance of our planet is being altered.
- This unusual phenomenon is only one of the many such extreme events being experienced around the world. The human contribution to climate change is undeniable.
- **Our burning of fossil fuels, deforestation**, and industrial activities have released vast quantities of greenhouse gases into the atmosphere, trapping heat and causing global temperatures to soar.
- The **Intergovernmental Panel on Climate Change (IPCC)** has unequivocally stated that human activities are responsible for 100% of the warming observed since 1950.