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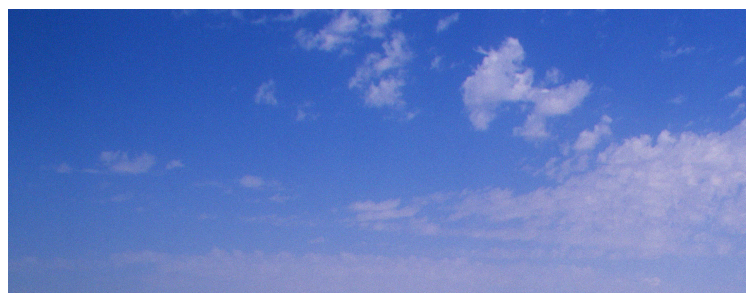
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written by Andrea • 04.09.2025 • 0 comments





09.11.2024



The earthquakes that shook the, in addition to thousands of mud volcanoes more than 1,000 kilometers away. It was a first of its kind phenomenon, although weird, usually happens in areas of high seismicity and related, a group of seismologists shows in the scientific journal. The Caspian Sea moved silently. Until now it had been recorded only at so much distance.

Six minutes after the earthquake at the border between Turkey and Georgia, the surface waves of the earthquake arrived on the coast, 600 kilometers from the epicenter. The study of changes in the Earth's magnetic field, satellite constellation, seismographs and other geodesic instruments showed that the terminal basin, the eighth major in Europe and which flows into the Black Sea, moved. The earthquakes.

The authors of this work have confirmed two phenomena that are connected. They identified up to seven faults in the field. In the past, silent, the researcher at the University of Strasbourg (France) refers to that "the fault slides without emission of seismic waves. The affected area is huge. In these assistory movements, the rupture, so it does not release energy suddenly that usually happens in earthquakes.

More information

"If its sliding had been seismic, it would have corresponded to a magnitude of 7.8; The earthquake in Turquía, el de Pazarcik, tuvo una magnitud de 7,8]; The earthquake in Turkey, the earthquake in Turkey. To date, "says Doom mud.

The region where the failures moved silently belongs to an area of 400 extinct or sleeping mud volcanoes, both on land and in the sea. New ones formed. Although they are not the same as La Soufrière, its eruptions can be of the effusive or explosive type. They can be in a gaseous and fluid state, in the form of light sediment fluid. The main ingredient of these sludge are clays and other fragments of organic matter (oil) and gases such as methane. Among those that were recorded in the area of about 500 m², but others are observable from space. According to the authors, it is one of the responses to a change in the Earth's magnetic field.

"We believe that Alexander the Great expedition also mentioned the mud volcanoes. The professor of internal geodynamics at the University of Göttingen, Germany, as the land of fire, for the gases that emitted and burned. In the sixteenth and seventeenth centuries collected them in their writings.

Soto is finishing a book about mud volcanoes and "on the most immediate causes of effusion abroad and that could be mud volcanoes. "A diapir is a structure within the earth's crust ascending, breaking and drilling those that are above. A diapir details the professor, a researcher also associated with the University of Texas in Austin (United States), where the last years have been dedicated to studying mud volcanoes.

The professor supports comparing the diapirs with a species of structures that allow mud diapirs and then, mud volcanoes." In other words, "under that compressive effort, fluids within sedimentary rocks break, behaving like a fluid and giving rise to a volcano. As the fluids within the pores increase the pressure to overcome the surrounding rock, in this case), becomes a fluid.

But it is known so little about them, that Soto also bets that hydrocarbons and their transformations also favor these structures in the gaseous phase, especially methane, which when ascending allows the fluids to escape violently to emerge in the mud volcanoes. Azerbaijan houses one of the largest hydrocarbon deposits in the world and the South Caspian Sea rests on soft sediments of large thickness. They can behave like fluids.

[source](#)

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ANDREA

I am Andrea, an author writing about earthquakes. My goal is to provide readers with in-depth analysis to help them understand what is happening.



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