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Special Session: “The January/February 2010 Earthquakes in Haiti, Offshore Northern California, and Chile: Origins, Impacts and Lessons Learned”

KERIMOV, I.G., AHMADOV, N.A., KERIMOV, S.G., ALIYEVA, E.R., ISMAYILOVA, T.D.,
Scientific Center of Seismology, Baku, Azerbaijan Republic

THE EARTHQUAKES IN CHILE: IN THE PAST AND TODAY

On the February 27, 2010 the catastrophic earthquake with magnitude 8.8 shook Chile, the second one in this land in the last 50 years. The first was on the May 22, 1960 with magnitude 9.5, the strongest in the 20th centenary.

Based on our previous researches and studies of the aftershocks' nature presented in abstract “Are aftershocks signs of induced earthquakes and bad global ecology?” (The Special Section of the 2010 Annual Meeting of SSA) the both earthquakes have artificial origin and caused by uncontrolled impacts on the environment. The first one in our opinion was mainly triggered by UNE on Mururoa.

But environment itself has changed dramatically in the last 50 years, the stress state of the medium has significantly increased, - it's what we want to show.

The first earthquake followed by 21 aftershocks on the same day, on the second day–38, on the third–11 on the fourth–11, on the fifth–10, on the sixth–9. In total 100 events shook.

The second earthquake followed by 77 aftershocks on the same day, on the second day–58, on the third–30, on the fourth–23, on the fifth–13, on the sixth– 9. In total–210 earthquakes and most of them were highly intensive and had magnitude more than 5 or even 6, but which is most significant they are located in much large territory.

Taking into account that the first earthquake was tens times stronger the correlation between aftershocks should be not 100 to 210 but more sharp and comparison vividly show how globally ecology worsened and much the stressed state increased in the environment.

In addition, the first earthquake forewent by foreshocks thereby there had been certain preparation on the territory and just one artificial impact could not have resulted in that time in such a catastrophic event. Today – that proves our conclusions – one impact is enough.