

Press Release



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Residual Strain despite Mega Earthquake Even the strongest quake ever measured left energy for successors

13 December 2017 / Kiel. On Christmas Day 2016, the earth trembled in southern Chile. In the same region, the strongest earthquake ever measured occurred in 1960. A comparison of data from

Similar results have recently been obtained in another subduction zones. Along with them, the new study suggests that for risk assessment in earthquake-prone areas, not just a single seismic cycle from one earthquake to the next should be considered. "The energy can be greater than that resulting from the usual calculations, which can, for example, have an impact on recommendations for earthquake-proof construction," says Dr. Lange.

Reference:

Lange, D.J. Ruiz, S. Carrasco, P. Manríquez (2017): The Chiloé Mw 7.6 earthquake of December