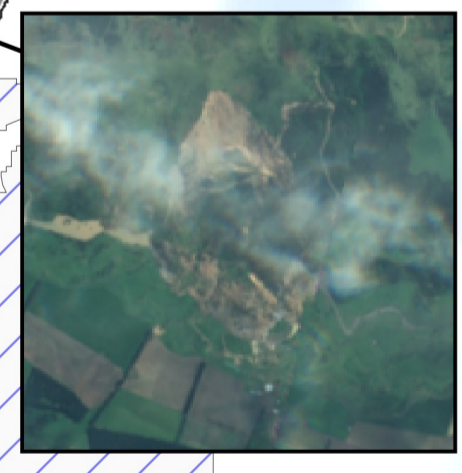


String, M. et al. (2012) National Seismic Hazard Model for New Zealand, 2010 Update. Bulletin of the Seismological Society of America, Vol. 102, No. 4, pp. 1514-1542



- Legend**
- Major Cities
  - ◆ Co-seismic Landslides
  - Active Faults GNS
  - Cloud Cover



**Earthquake Geology Research Team**  
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## Preliminary Map of Co-Seismic Landslides for the M 7.8 Kaikoura, New Zealand Earthquake

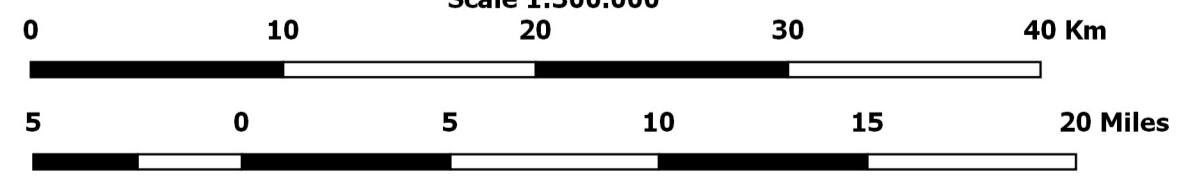
Valkaniotis Sotiris, Papathanasiou George, Pavlides Spyros  
 Department of Geology, Aristotle University of Thessaloniki

Landslides were mapped using Sentinel-2 satellite images from Copernicus, European Space Agency, dated 15 November 2016. Images were compared with previous last available image without cloud cover (13 September and 26 October). Areas covered by cloud are omitted and shown on map. 1092 landslide sites are shown. Due to the preliminary nature of the map, a small number of landslides could have been mis-identified due to insufficient resolution of the images or for other reasons. Authors believe the spatial coverage is sufficient for available data and restrictions.

Relief base from SRTM 1 Arc digital elevation model (NASA). Faults shown on the map are from the New Zealand Active Faults Database (GNS). Bathymetry from National Institute of Water and Atmospheric Research Ltd (2016).

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Map created using QGIS 2.18.0  
 Projection UTM 59 South WGS84  
 Scale 1:300,000



20161113  
 11:02:58.4 UTC  
 Mw 7.8