

**Saline paleo-water mass transfer induced by piston flow in the
continental alluvial aquifer of the Oltrepò Pavese plain (Po Plain, northern Italy)**

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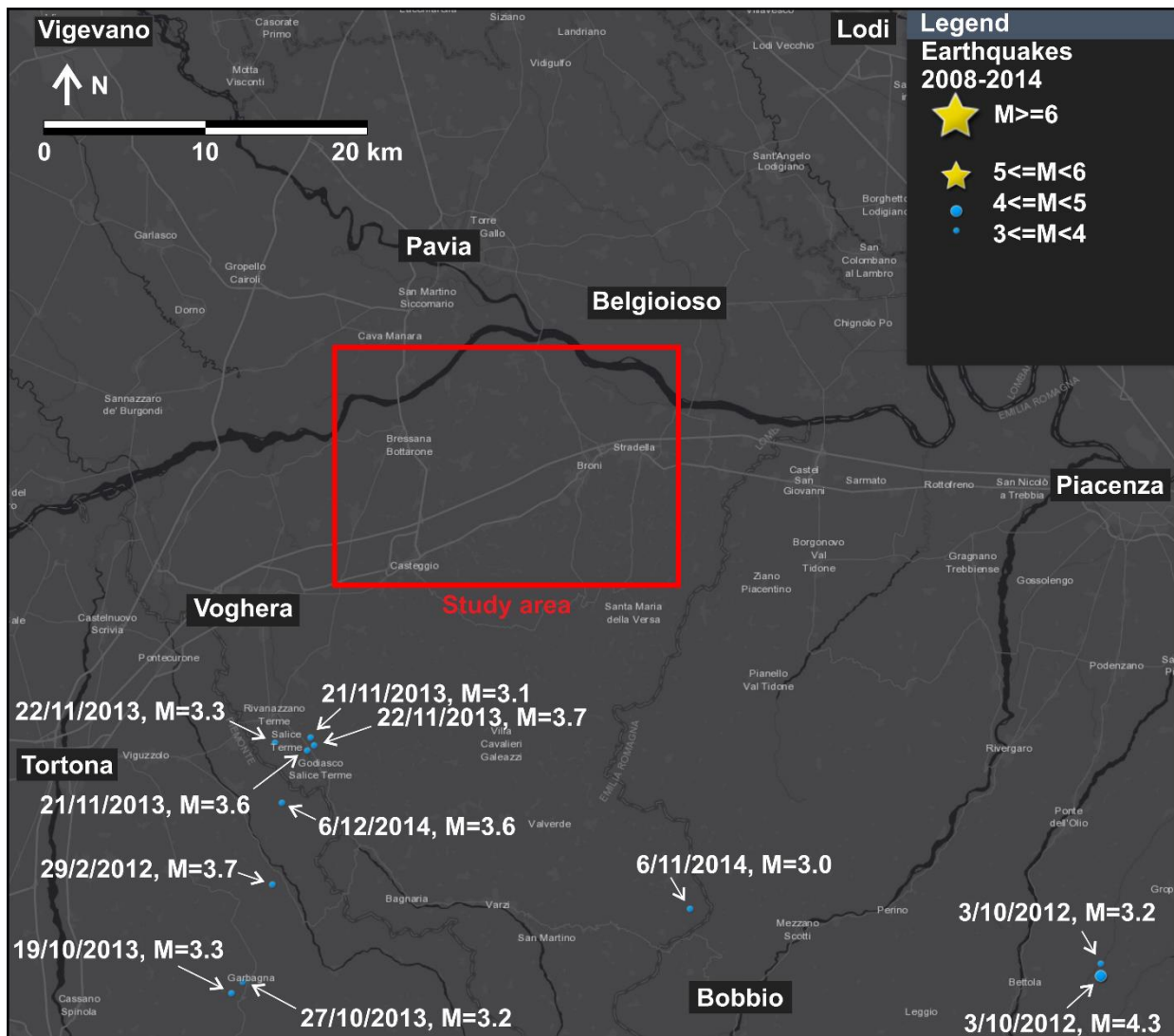


Fig. S1 – Spatial and temporal distribution of earthquakes that occurred between 2008 and 2014 – the period the wells were monitored – with a magnitude equal to or greater than 3.0 in a large zone around the actual study area (Moschillo and Pignone, 2020) . These 11 events with maximum magnitude 4.3 were recorded by the seismic monitoring stations of the Istituto Nazionale di Geofisica e Vulcanologia (INGV) and other institutions (Observatories and Universities). An examination of this data did not show any temporal correlation between seismic activity and salinity crisis.

ESM Reference

Moschillo R, Pignone M (2020) La sismicità negli ultimi 40 anni in Italia (Seismicity in the last 40 years in Italy), INGV-Osservatorio Nazionale Terremoti.
<https://ingv.maps.arcgis.com/apps/webappviewer/index.html?id=357f2e8ab2e24434816ca67aabe4b32>. Accessed 2022