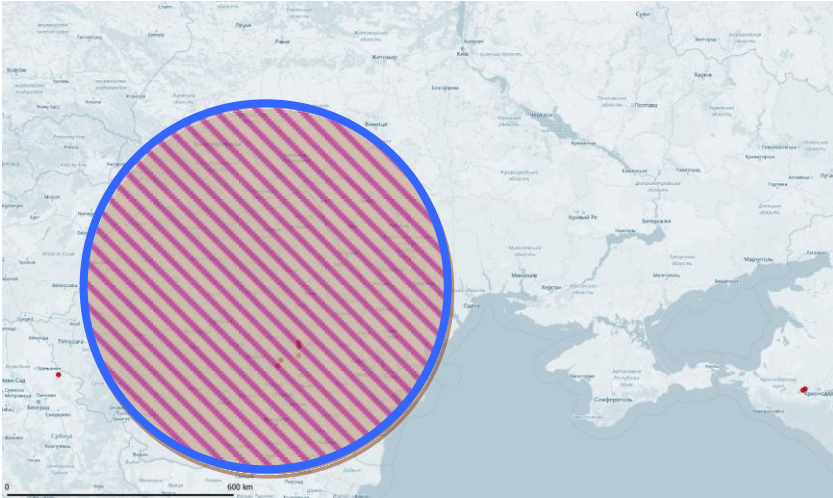


# Earthquake Risk Transfer for Romania

## Overview



Romania has one of the highest seismic-hazard levels in Europe. A recent study by Pavel et al. (2016), shows that around two-thirds of the country has expected peak ground acceleration above 0.2 g. Finally, a 5.8 magnitude earthquake shook central Romania and the capital in the early hours of October 28, 2018. Earling has been issued several earthquake preparedness alerts for the undercover regions in Romania. One of them issued on October 27, 2018, a few hours before the October 28, M5.5 earthquake.



### EPA Effect on Romania Insurance Penetration Rate

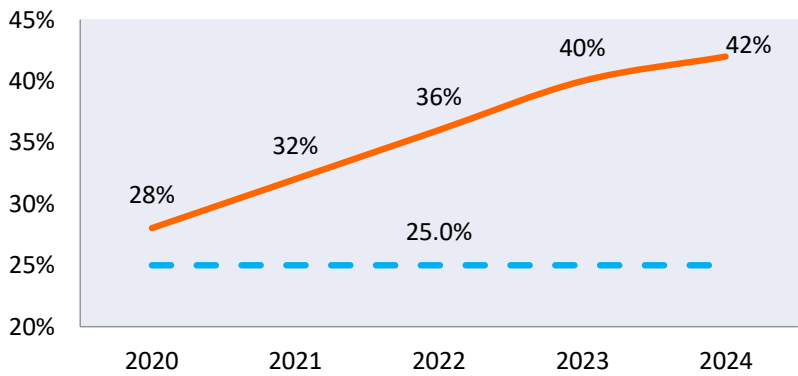


Figure 96. Romania seeking to increase the earthquake penetration rate by 25% (Radu, 2019). Earling’s EPAs can act as a catalyst to extend the coverage by preparing citizens, up to 42% until early 2025.

### EPA Effect on Probable Maximum Loss

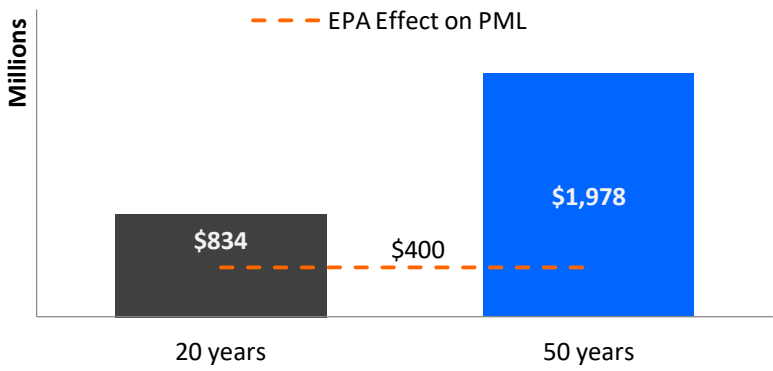


Figure 97. Probable Maximum Loss (PML) - Mean return period in years. Romania Average Annual Loss is \$255 million (Roamnia Disaster & Risk Profile, 2014). EPA can increase insured losses and affect risks.



Romania recent major earthquakes

Place	Date	Magnitude	Severity
Vrancea County	28-Oct-18	5.8	VI
Vrancea County	23-Sep-16	5.6	
Panciu, Vrancea County	22-Nov-14	5.7	V

