

Educational path on hazard and seismic risk by a naturalistic museum

Fabiana Zandonai, Michela Canali, Nello Fava, and Franco Finotti

Fondazione Museo Civico Rovereto, Rovereto (TN), Italy (zandonaifabiana@fondazionemcr.it)

Since 2011, the educational Section of the Museo Civico di Rovereto (MCR) Foundation - in collaboration with OGS (Istituto Nazionale di Oceanografia e di Geofisica Sperimentale) - organizes a series of activities on seismic hazard and risk for different audiences. After a specific training of its educators, the museum offers laboratories for students, lectures and information evenings for the citizenship. The activities are focussed on the explanation of the natural phenomena, clarify the difference between hazard and risk, and promote the awareness as the key element for the seismic risk reduction. A seismic station (owned by the Autonomous Province of Trento) located outside the museum in continuous mode acquisition is mirrored as a drumplot on a screen placed in the indoor exhibition.

In 2012, after the seismic sequence that affected the Avio – Ala area in October 2011, the Foundation organized two conferences for the citizens of the municipalities of Ala and Brentonico, who had particularly suffered emotionally for what happened.

In 2014, engaging the theme "Nature's Fury" of the First Lego League (an international robotics competition, organized in the Italian edition by the MCR Foundation), it has also developed an educational pamphlet dedicated to the seismicity of southern Trentino Region. In 2016, conferences on the Riva del Garda and Friuli earthquakes of 1976, and on seismic site effects (in the anniversary of the 1986 Mexico earthquake too) were addressed to the local population.

All these meetings have had great participation and attracted much interest, stimulating questions and reflections. Given the importance, the Foundation MCR with OGS are working on new projects on this issue to promoting education, awareness, simple virtuous actions of prevention through the strong involvement of the population.