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Augmented reality for volcanic and seismic risk communication

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Dealing with topics concerning natural risk management in a volcanic environment, can greatly benefit from innovative techniques. In particular, Augmented Reality (AR) and Virtual Reality (VR) are well known by Native Digital and can be used by lower-level and university students to promote their understanding of natural risks.

3DTeLC is a three-year trans-European project funded by the Erasmus+ Key Action 2 programme: "Cooperation for Innovation and Exchange of Good Practices, a European scheme that fosters higher education partnerships" (<https://www.erasmusplus.org.uk/key-action-2>).

The main goal of this project is to help young students to become highly-skilled professionals in the field of environment and geosciences, gaining knowledge in image and 3D-spatial analysis, data management and informatics, and strengthening their mathematical and numerical skills in Earth observation and data analysis.

In the framework of this project INGV team has developed a "Talking poster", using a custom AR tool to propose a user friendly approach aimed at the reduction of volcanic and seismic risks.