



Integrated application of EO data and services for geohazard assessment: the EO4GEO project scenarios

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EO4GEO is an Erasmus+ project aiming at applying innovative solutions for education and training actions including: case based and collaborative learning scenarios; learning-while-doing in a living lab environment; on-the-job training; the co-creation of knowledge, skills and competencies. EO4GEO project will define a long-term and sustainable strategy to fill the gap between supply of and demand for space/geospatial education and training. This strategy will be implemented by: creating and maintaining an ontology-based Body of Knowledge for the space/geospatial domain directly usable in the context of Copernicus and EO data and services. In order to test and validate the project methodology, ISPRA contributes in a fundamental way to the training actions on integrated applications by developing geohazard scenarios for three categories of exposed elements: linear infrastructure and transportation network, cultural heritage and urban areas. Scenarios will be selected taking into account data availability and different typologies of phenomena (e.g. slow and very slow landslide, shallow and deep movements, subsidence) as well as different vulnerability categories. Stakeholders, final users and geohazard expert community (public and private) will be involved during the scenarios implementation. The target is to define a standard methodology to use EO data and services favouring as much as possible open, accessible and free data, to carry out geohazard risk assessment, monitoring and mitigation.