

ARISTOTLE: All Risk Integrated System Towards the Holistic Early-Warning

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In Europe, the management of emergencies associated with natural disasters falls under the responsibility of the Emergency Response Coordination Centre (ERCC), which is the operational hub of civil protection and, if needed and upon request of the affected country, can send special units for intervention consisting of people, means of transport and equipment made available by Member States. To speed up this intervention system and integrate the available data at best, the ARISTOTLE (All Risk Integrated System Towards the Holistic Early-Warning) project has recently got underway. It involves 15 European countries under the coordination of the National Institute of Geophysics and Volcanology (INGV) with the support of the Austrian Central Institute of Meteorology and Geodynamics ZAMG (Zentralanstalt für Meteorologie und Geodynamik).

ARISTOTLE will deliver world leading multi-hazard capability to the Emergency Response Coordination Centre (ERCC). It has been designed to offer a flexible and scalable system that can provide new hazard related services to the ERCC and to create a pool of experts in the field of Meteorology and Geophysics of Europe that can support the ERCC with regard to situation assessments in crisis situations.

In this presentation there will be shown the goals of the project and its organization. Emphasis will be provided onto the seismic surveillance and tsunami alert products being delivered for rapid, operational assessment of the impact of earthquakes (and tsunamis) within a multi-hazard scheme.