

Project: VOLcanic disaster disaster risk management for the CANary Islands (VOLCAN) EC ECHO 101193100



Participants: CSIC: Coordinator and Full Partner CANARIAN GOVERNMENT (Civil Protection). Associated Partner and main enduser CNIG-IGN: Associated Partner and enduser

> total eligible costs: 666,798.28 euros EU co-financing: 633,457.00 euros duration: 24 months

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Objetive and justification

Taking advantage of previous EC ECHO funded projects (VeTOOLS and EVE) coordinated by the CSIC and aimed at developing a systematic methodology and e-tools to conduct long and short term volcanic hazard assessment and a volcano early warning system (the VOLCANBOX platform), the CSIC will contribute to develop a new volcanic disaster risk management plan for the Canary Islands, from a multi-risk perspective, including a prevention and preparedness based on precise long-term volcanic hazards assessment and volcano monitorig, and developing new risk reduction policies, public awareness raising and training programs for disaster risk management.

Working Team

Natural Risk Assessment and Management Service (NRAMS), IDAEA-CSIC, Barcelona (<u>http://nrams.csic.es</u>/)



Joan Marti Molist Coordinator Dr. in Geology Expert in geological hazards



Julia Sanchez Martínez Physical Engineer Expert in simulation models



Iris Schneider Pérez Geologist and Environmentalist Expert in sientific communication



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Marta López Saavedra Group Manager Dra. in Earth Sciences Expert in multihazard assessment and managment



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Brussels, March 18, 2025

VOLCANIC DISASTER RISK MANAGEMENT FOR THE CANARY ISLANDS



- 1) revise and update the volcanic disaster risk management plan and strategy for the Canary Islands;
- 2) to carry out the necessary long term volcanic hazard assessment necessary for developing policies, legislation, and measures for improving disaster risk management in this region;
- 3) to develop a strategic framework for public awareness raising and training programs for volcanic disaster risk management;
- 4) to develop a volcanic disaster loss databases and tools;
- 5) to contribute to the implementation of the relevant Union disaster resilience goals.



VOLCANBOX: the concept





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Working plan

- WP1: Project coordination, management, and dissemination
- WP2: Revision of the volcanic hazard and risk in the area
- WP3: Hazard assessment
- WP4: Prevention and mitigation strategies
- WP5: Preparedness
- WP6: Communication and information management
- WP7: Revision and updating of the Canarian management plan
 - 1. Tenerife
 - 2. La Palma
 - 3. El Hierro
 - 4. Lanzarote



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Expected outputs

- Improved volcanic disaster risk management plans and strategies; (WPs, 6 and 7)
- Improved volcanic risk assessment analyses, methodologies or tools; (WPs 3 and 4)
- Compilation of good practices and knowledge in the field of volcanic disaster risk management; (WPs 5 and 6)
- Development and implementation of strategies and measures aimed at increasing risk awareness and preparedness of the population. (WPs 1, 3, 5, 6)
- Digital awareness raising products, such as media campaigns, including social media, open-source platforms, other visuals; (WPs 1, 3, 5, 6)
- Development of training and educational modules, methodologies, workshops, for the general public or specific groups, including vulnerable groups and persons with disabilities; (WP 1)

