

MIA-VITA

Title : Mitigate and assess risk from volcanic impact on terrain and human activities

Priorité Thématique	Appel	Domaine	Instrument
Cooperation/ Environnement	FP7-ENV-2007-1	ENV.2007.1.3.3.1.	STREP
Coordonnateur	Chef Projet BRGM	Services concernés	Durée (mois)
BRGM (F)	P. THIERRY (ARN)	ARN	48

Abstract

In EU countries, volcanic risks assessment and management are tackled through scientific knowledge and monitoring, although there is still a need for integration between all risk management components. For international cooperation partner countries (ICPCs), the risk management depends on local situations but is often less favourable. Therefore, following UN International Strategy for Disaster Reduction recommendations and starting from shared existing knowledge and practices, the MIA-VITA project aims at developing tools and integrated cost effective methodologies to mitigate risks from various hazards on active volcanoes (prevention, crisis management and recovering). Such methodology will be designed for ICPCs contexts but will be helpful for European stakeholders to improve their experience in volcanic risk management. The project multidisciplinary team gathers civil defence agencies, scientific teams (earth sciences, social sciences, building, soil, agriculture, Information Technologies and telecommunications) and an IT private company. The scientific work will focus on:

- 1) risk assessment methodology based on a multi-risk approach developed at Mt Cameroon by one of the partners in cooperation with Cameroonian institutions
- 2) cost efficient monitoring tools designed for poorly monitored volcanoes (satellite & gas analysis & volcano-seismology)
- 3) improvement in terms of vulnerability assessment (people, buildings and biosphere)
- 4) socio-economic surveys to enhance community resilience
- 5) Integrated information system (data organisation and transfers, communications) taking advantage of GEONETCast initiative

Results will be achieved with help from local scientists and stakeholders in Africa (Cameroon, Cape Verde), in Asia (Indonesia, Philippines) and will be validated on a European volcano (Montserrat). The objectives will be reached through sharing/transfer of know-how, through scientific and technological developments and through dissemination/training.

List of participants:

No	Organisation Name	Country
1	Bureau de Recherches Géologiques et Minières (BRGM)	France
2	Institute Nazionale Geophysica Volcanologia (INGV)	Italy
3	Instituto Superior Tecnico (IST)	Portugal
4	Laboratoire de Géographie Physique (CNRS)	France
5	Norwegian Institute for Air Research (NILU)	Norway
6	KELL	Italy
7	Instituto de Engenharia de Sistemas e Computadores Investigação e Desenvolvimento (INESC-ID)	Portugal
8	Hohenheim University	Germany
9	University of Cambridge	United Kingdom
10	French Civil Defence (DDSC)	France
11	Italian Civil Defence (DPCI)	Italy
12	National Meteorological and Geophysical Institute (INMG)	Cape Verde
13	Ministry of Industry, Mines and Technological Development (MINIMIDT)	Cameroon
14	Center for Volcanology and Geological Hazard Mitigation (CVGHM)	Indonesia
15	Philippine Institute of Volcanology and Seismology (PHIVOLCS)	Philippines