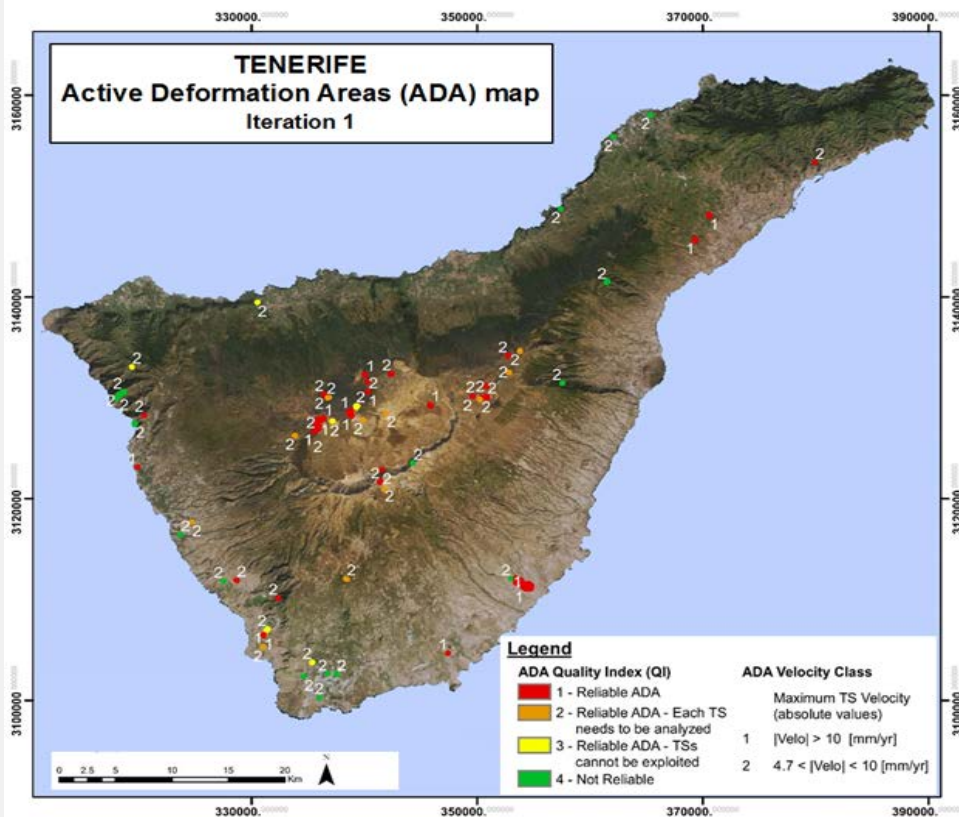


# SAFETY Workshop 2017

*Sentinel for geohazard prevention and forecasting*



IGN-Madrid  
29 of November 2017

## Contact

### Technical secretariat

Anna Barra, Oriol Monserrat  
Remote Sensing Department  
CTTC

Av. Carl Friedrich Gauss, 4,  
Castelldefels (Barcelona)

[abarra@cttc.cat](mailto:abarra@cttc.cat) , [omonserrat@cttc.cat](mailto:omonserrat@cttc.cat)

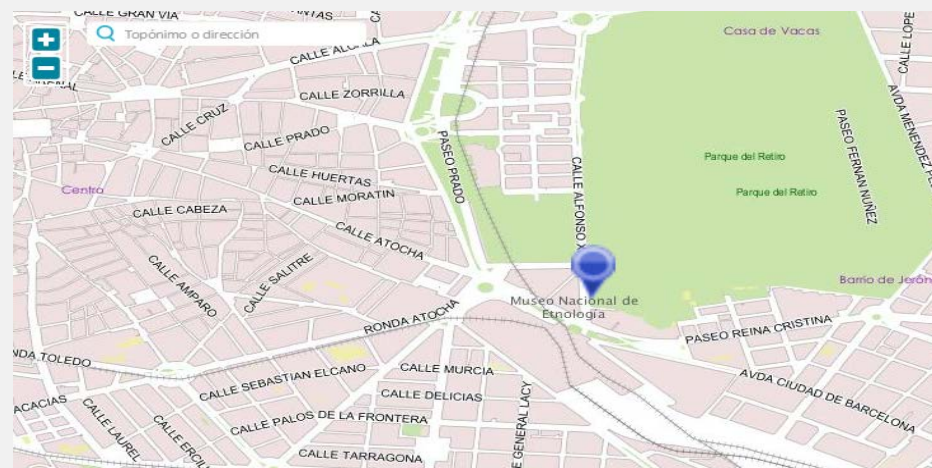
### Administrative secretariat

Elena González  
Central Geophysical Observatory  
IGN  
c/ Alfonso XII, 3  
Madrid

[volcanologia@fomento.es](mailto:volcanologia@fomento.es)

## Venue

Central Geophysical Observatory  
c/ Alfonso XII, 3  
28014 Madrid



## Inscription

The inscription is free. However, the number of places is limited and an inscription by mail is required. Please, to confirm your inscription, send a mail to the administrative secretary with the title "*Inscription to the SAFETY Workshop 2017*" and providing the name and surname, the identity/Passport number and your organization.

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## Overview

In the last years, the use of remote sensing data for geohazard risk management has increased considerably. The number of available sensors and the effort done in research to improve the data exploitation has result in a wide number of applications in this field (damage mapping, landslide and subsidence mapping and monitoring, etc). In this context, the project Safety has as a main goal providing Civil Protection Authorities (CPA) with the capability of periodically evaluating and assessing the potential impact of geohazards (volcanic activity, earthquakes, landslides and subsidence) on urban areas. This goal includes the implementation of a procedure involving new free accessible tools and methods that can produce periodically updated geohazard activity maps and impact assessment maps on infrastructure networks and built-up areas. This workshop aims to provide an overview of the obtained results, its implementation to the Civil Protection activities and the potential application of the developed tools to other fields.

## Organizing Committee

Anna Barra, Michele Crosetto, Oriol Monserrat(CTTC)  
Carmen López, Elena González and Sergio Ligüérezana (IGN)  
Gerardo Herrea and Roberto Sarro (IGME)

## Target group

This workshop is addressed to professionals that works directly or indirectly with geohazard risk: Civil protection technicians, infrastructure works, environment, urban planning, etc.

## Organizing commite



## Colaborators



## Program

### Wednesday 29 November

- 09:00 - 09:20 Reception of the participants
- 09:20 - 09:40 Welcome and Safety project overview  
*Oriol Monserrat, CTTC, Technological Centre of Telecommunication of Catalunya.*
- 09:40 - 10:00 The Role of Earth Observation data in Geohazard management: the Spanish Civil Protection experience.  
*Speaker to be confirmed*
- 10:00 - 10:20 The Role of Earth Observation data in Geohazard management: the Italian Civil Protection experience.  
*Roberta Onori, IDCP, Dipartimento della Protezione Civile (Italia)*
- 10:20 – 10:40 Earth Observation applications for Cultural Heritage: the Prothego project.  
*Jose Antonio Fernandez Merodo, IGME, Instituto Geológico y Minero de España.*
- 10:40 - 11:10 *Coffe Break*
- 11:10 – 11:30 Exploitation of Sentinel-1 data to periodically map active deformation areas at territorial scale.  
*Anna Barra, CTTC, Technological Centre of Telecommunication of Catalunya.*
- 11:30 - 11:50 Fast detection of ground motions on vulnerable elements by means of Sentinel-1 InSAR data.  
*Lorenzo Solari, UNIFI, Earth Sciences Department of University of Florence (Italy).*
- 11:50 - 12:10 Implementation of the Safety Products at InSARlab-IGME.  
*Gerardo Herrera, IGME, Instituto Geológico y Minero de España.*
- 12:10 - 12:30 Implementation of the Safety Products at UniFi.  
*Silvia Bianchini, UNIFI, Earth Sciences Department of University of Florence (Italy).*
- 12:30 - 12:50 Implementation of the Safety Products at IGN.  
*Carme López, IGN, Instituto Geográfico Nacional.*
- 12:50 - 13:10 Potentialities of the Safety products to support emergencies.  
*Raúl Pérez, IGME, Instituto Geológico y Minero de España.*
- 13:10 Workshop Closure