

National Workshop Spain

Satellite-based Services for Disaster Risk Management

DATE 26th February 2025

TIME 9:45 – 17:15

Venue: World Trade Center, Barcelona

In cooperation with
IEEC (Institut d'Estudis Espacials de Catalunya)
AEE (Agencia Espacial Española)
Generalitat de Catalunya

About the event

This workshop aims to raise awareness on the possibilities offered by the EU Space Programme to support innovation and increased effectiveness in disaster risk management. Hands-on demonstrations of national capabilities enabled by satellite data will deepen understanding, while further promoting their use and wider uptake among national stakeholders. It will also be an opportunity for stakeholders to meet and exchange about best practices and sector specific needs.

The event is part of a series of national workshops to discuss with national users benefits of and ways to integrate satellite-based services. The purpose is twofold. On one hand, to raise awareness on the existing operational satellite-based services, especially how they can be integrated into daily workflows and translated into actionable information. On the other hand, develop a roadmap to smoothen the integration path of satellite-based services by providing decision makers and EU Institutions feedback on the users' needs and challenges.

Agenda

The **introductory part** of this workshop will provide a high-level address from national and European relevant policy and decision-makers. It will shed light on the national and European policy framework as well as future perspective on the field of risk assessment and management. In addition, a panel will address the EU space components contributions to disaster risk management, including Search and Rescue Galileo Return Link Service and upcoming Galileo Early Warning Satellite Service (EWSS) **live demonstrations**.

The **first panel** aims to raise awareness of satellite-based services for disaster risk management. It will focus mostly on the actual use and the integration of the information into daily workflows rather than on the technology. To sensitise authorities and local stakeholders, Spanish hands-on use cases on wildfires, floods, and droughts will be presented.

The **second panel** will bring in the user perspective. The focus will be on gathering inputs and collecting **feedback** from different end-user communities relying on the services presented. The identified benefits, needs, challenges, and opportunities will form the basis to discuss the way forward to streamline the process of integrating satellite-based services in disaster risk management.

Satellite-based Services for Disaster Risk Management

Agenda

9:15 - 9:45 Registrations

HIGH-LEVEL POLICY INTRODUCTION

Welcome and Moderation by Graham Turnock, Secretary General, Eurisy

9:45- 9:50 **Graham Turnock**, Secretary General, Eurisy

9:50 - 9:55 **Juan Carlos Cortés**, Director of the Spanish Space Agency

9:55 - 10:00 **Rodrigo da Costa**, Executive Director, European Union Agency for the Space Programme (EUSPA)

10:00 - 10:05 **Ignasi Ribas**, Director, Institut d'Estudis Espacials de Catalunya (IEEC)

10:05 - 10:10 **Maria Galindo Garcia-Delgado**, Secretary for Digital Policy, Government of Catalonia

10:10 - 10:40 **Coffee Break**

10:40 – 12:00 Galileo Search and Rescue Return Link Service Demonstration

EU SPACE COMPONENTS

Moderated by Marie Menard, Senior Communication Officer, EUSPA

12:00 - 12:05 **Galileo: Aitor Alvarez Rodriguez**, GSC Manager, EUSPA

12:05 - 12:15 **Copernicus Emergency Management Service: Marie Menard**, Senior Communication Officer, EUSPA

12:15 - 12:25 **GOVSATCOM, IRIS² and EU SST: Christina Giannopapa**, Head of the Office of the Executive Director, EUSPA

12:25 - 12:35 **CASSINI Funding opportunities: Marie Menard**, Senior Communication Officer, EUSPA

12:35 - 12:45 **Q&A**

12:45 - 13:30 **LUNCH BREAK**

PANEL PRESENTATIONS

Panel 1: Space assets supporting the Disaster Risk Management Cycle (1 hour 15 min)

What can space data contribute to prevention, preparedness, response, and recovery?

Moderated by Nicolás Martín, Director of Users, Services, and Applications, Spanish Space Agency (AEE)

13:30 - 13:40 **Mercedes Reche**, Operations and Sales Director at Pildo Labs. **Topic:** Upcoming Galileo Search and Rescue services: Two-Way communications and Remote Link activation.

13:40 - 13:50 **Diego López Gracia**, Sales Manager Iberia at HISPASAT. **Topic:** Communication satellites for the improvement of Search and Rescue Service.

13:50 - 14:00 **Virginia Díaz de la Cruz**, Senior Expert GIS at Telespazio Ibérica. **Topic:** Copernicus Emergency Management Service: procedure, products, and users in response to the 2024 Valencia floods.

14:00 - 14:10 **Laura Moreno**, CEO at EarthPulse. **Topic:** Leveraging satellite data processing for emergency management: different use cases

14:10 - 14:20 **Franck Ranera**, Senior Manager for Solution Government Europe at ICEYE. **Topic:** ICEYE's NATCAT Solutions: Leveraging Multiple Assets for Disaster Preparedness and Response

14:20 - 14:30 **Josep Colomé**, Director of the Area for the Promotion of the Space Sector of Catalonia, Institut d'Estudis Espacials de Catalunya (IEEC), **Pol Guixé**, Head of Innovation in the Space Communications area at the i2CAT Foundation. **Topic:** The role of the NewSpace Strategy of Catalonia for Disaster Risk Management: Space infrastructure and use cases.

14:30 - 14:40 **Q&A**

14:40-15:20 Galileo Emergency Warning Satellite Service live demonstration with the support of Catalan Civil Protection

15:20 - 15:40 **Coffee Break**

Panel 2: Current challenges and opportunities related to the uptake of satellite data

Users best practices and lessons learned stemming from the use of satellite applications in their daily operations

Moderated by Daniel Sors, Head of Services and Industrial Promotion, Institut d'Estudis Espacials de Catalunya (IEEC)

15:40 - 15:50 **Fernando Belda**, Senior Adviser to the President of AEMET, Spanish Meteorological Agency. **Topic:** Remote Sensing Technology to improve the Early Warning Systems: Case studies.

15:50 - 16:00 **Elena González**, Head of Service, Sub-Directorate for Monitoring, Alert, and Geophysical Studies, National Geographic Institute (IGN). **Topic:** Monitoring volcanic ground deformation in La Palma

16:00 - 16:10 **Jordi Corbera**, Head of the Earth Observation Area at the Institut Cartogràfic i Geològic de Catalunya. **Topic:** From prevision to recovery: Foresland wildfires risk management.

16:10 - 16:20 **Cristina Vicente**, Head of Operations of the Deputy Directorate-General for Coordination and Emergency Management, General Directorate of Civil Protection, Department of Interior and Public Safety, Government of Catalonia. **Topic:** Emergency management: Wildfire in Portbou

16:20 - 16:30 **Dèlia Serra**, Sub-Inspector, Head of the Technical and Communications Area of the Rural Agents Corps of the Government of Catalonia. **Topic:** Satellite-Based Assessment of Burned Areas in Wildfires

16:30 - 16:40 **Marta Miralles**, Deputy Inspector of the Catalan Fire and Rescue Service, Department of Interior and Public Safety, Government of Catalonia. **Topic:** Integrating Satellite Data into Flood Response: Lessons from Francolí to Alcanar (Catalonia).

16:40 - 16:50 **Q&A**

16:50 – 17:00 WRAP UP AND CONCLUDING REMARKS by *Josep Colomé, Director of the Area for the Promotion of the Space Sector of Catalonia, Institut d'Estudis Espacials de Catalunya (IEEC)*