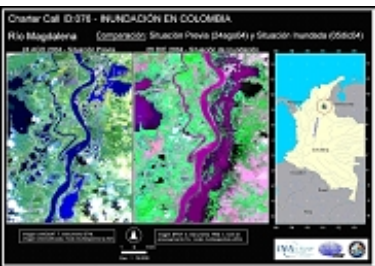


## Tsunami



## Floods



## Earthquake



## Hurricane



## Background and Purpose

### • Purpose

- The purpose of the Charter is to provide a unified system of space data acquisition and delivery for users affected by natural or technological disasters. Data acquisition and delivery takes place on a priority basis when « authorized users » request Charter activation.
- The members participate on a voluntary basis, with no exchange of funds between them.
- The « authorized users » are essentially civil and defence agencies from the Charter member states and from UN agencies involved in disaster management.

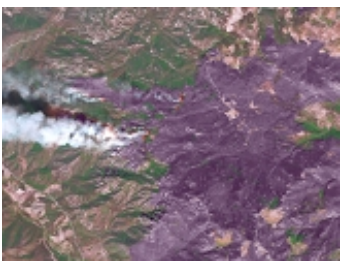
### • Background

- June 2000 : the international Charter was signed by ESA and CNES following a joint initiative during UNISPACE III in 1999
- October 2000 : CSA (Canadian Space Agency) joins the Charter
- November 1, 2000 : Charter was declared formally operational
- November 11, 2000 : first activation for a landslide in Slovenia.
- September 2001 : NOAA (National Oceanic and Atmospheric Administration) and ISRO (Indian Space and Research Organization) adhere to the Charter
- July 2003 : CONAE (Argentina Space Agency) joins the Charter. The same month, the United Nations Office for Outer Space Affairs (UN OOSA) becomes « cooperative body », therefore may activate the Charter on behalf of other UN organizations
- February 2005 : JAXA (Japan Space Agency) joins the Charter
- November 2005 : BNSC/DMC consortium join the Charter
- Since its implementation, the Charter has been activated 93 times.

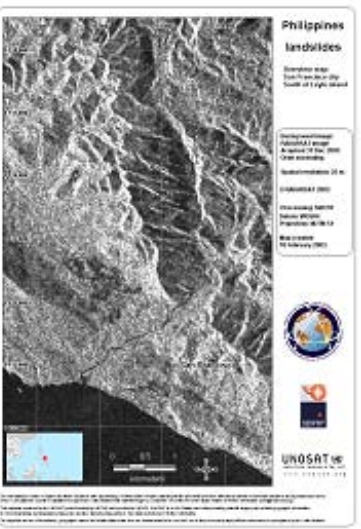
## Volcanic Eruption



## Fires

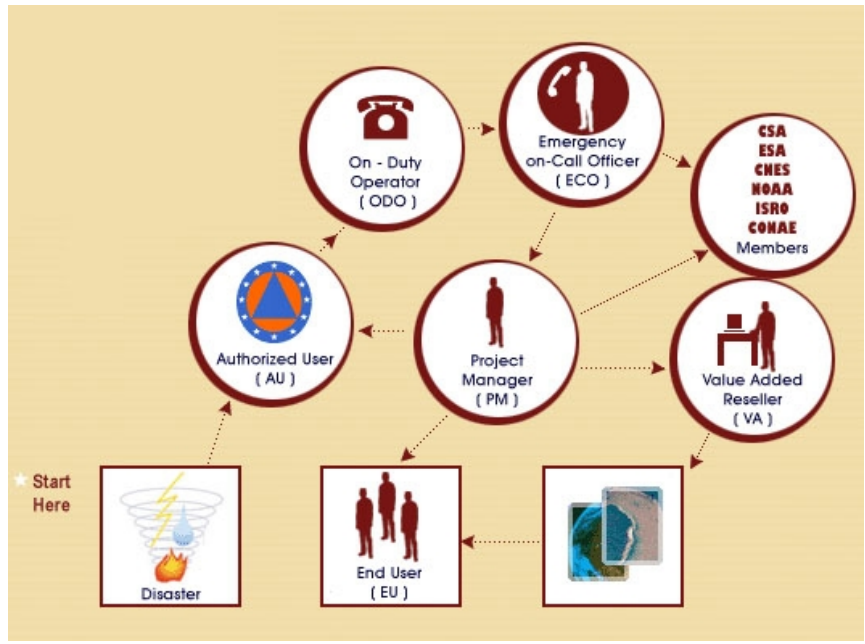


## Landslide



# The Charter organization

- The process is triggered by the call of an Authorized User to a 24-hour **On-Duty Operator (ODO)** who is located at ESA/ESRIN in Italy. This operator checks the identity of the requester, verifies that the User Request Form sent by the user, is correctly filled up then, he forwards this information, within the hour, to the **Emergency On-Call Officer (ECO)**. This officer is an engineer on the staff of one of the Charter members, which share the task in turn, week by week.
- The next step for the ECO is to analyse the request and the scope of the disaster with the user, to identify the most quickly available and appropriate satellite resources, and to inform the requester of the contemplated action plan for rapid acquisition of satellite imagery of the disaster zone. This request of satellite tasking and archive retrieval is sent to partner satellite operators to obtain immediate action. The ECO hands over to a **Project Manager (PM)**, appointed by the partners, who supervises the process through to its conclusion, namely rapid delivery of the relevant documents (archive imagery, land use map, change detection leading to possible damage identification, etc.) to the end-user.





## Partners

