

International Charter 'Space and Major Disasters'





An International agreement among participating Space Agencies and service providers to deliver space-based data and information in support of relief efforts during emergencies caused by major disasters.

Disaster Charter Overview

The International Charter executes priority tasking of different EO missions in a rapid fashion; it is designed to address requests concerning major disasters caused by:

Natural events

Earthquakes
Fires
Floods
Ice jams
Landslides
Tsunamis
Ocean storms
Volcanic eruptions

Man-made events

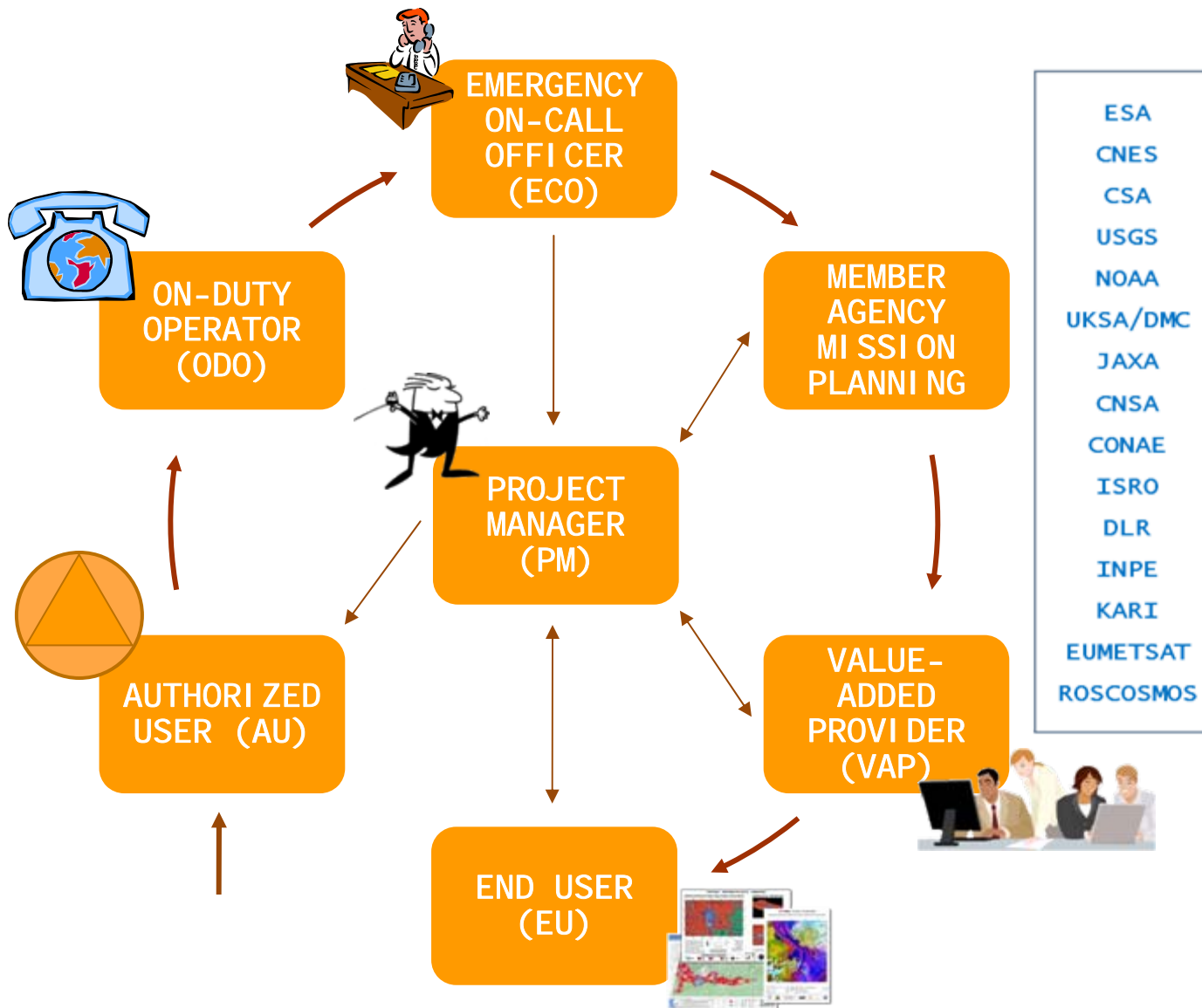
Oil spills
Industrial accidents



Disaster Charter Overview

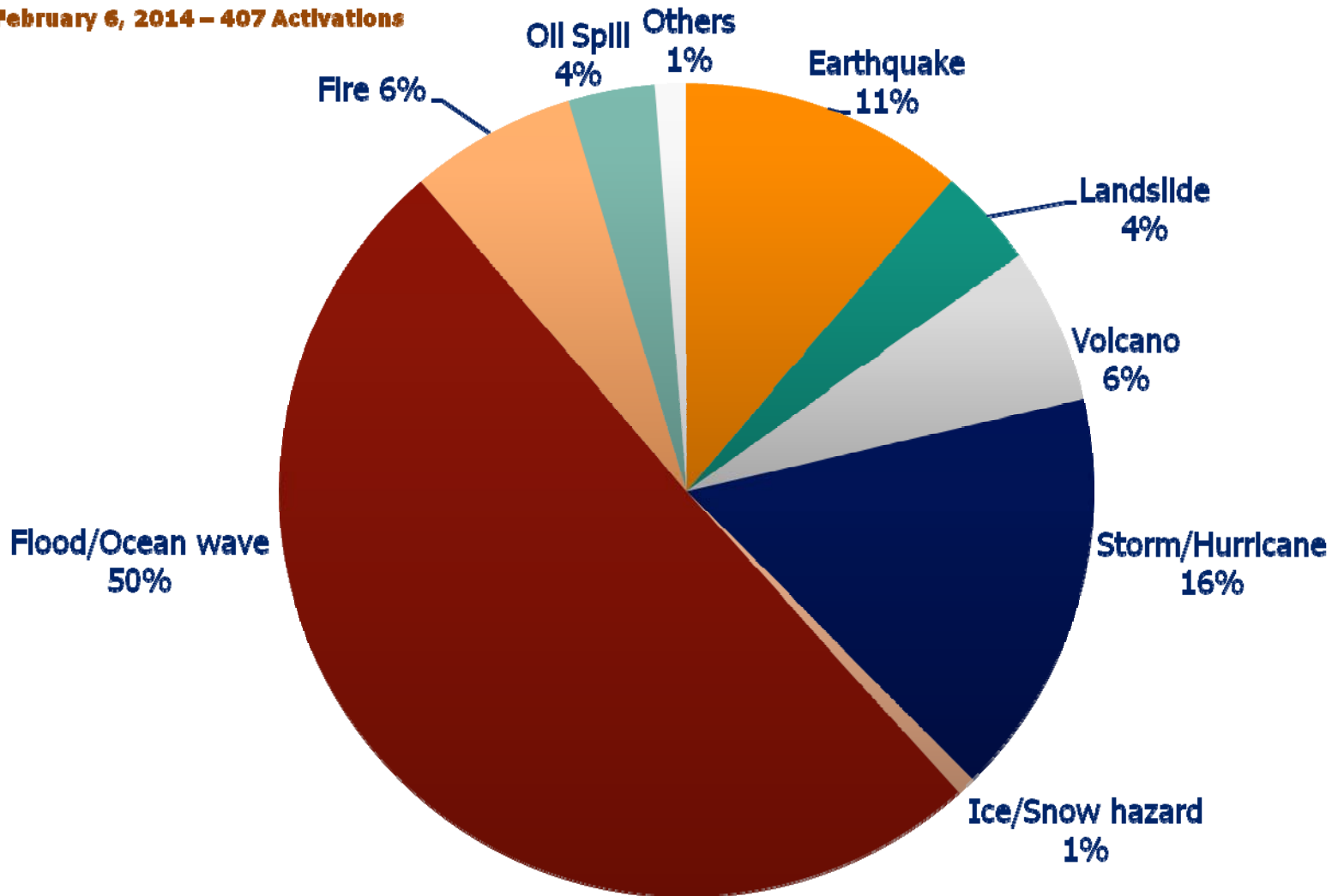
- Since 2000, the Charter has been providing:
 - **Disaster response**
 - **Multi-satellite data acquisition planning**
 - Fast data turn-around – priority acquisition
 - **Archive retrievals and spacecraft tasking**
 - **Data processing at pre-determined level**
 - **Space Agency contribution in image/data**
 - **Space Agency initiative for value-added-data fusion**

Charter Activation Loop



Charter Activities

As of February 6, 2014 – 407 Activations



Universal Access

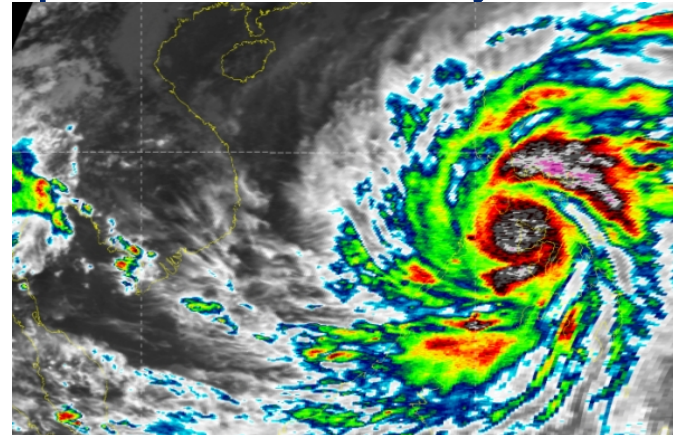
- In 2011 Charter Board adopted Universal Access resolution:

“Any national disaster management authority will be able to submit requests for emergency response support to the Charter. Proper procedures will have to be followed, but the affected country will not have to be a Charter member.”

EUMETSAT & the Disaster Charter

Special Imagery service

- Upon notification of a new activation, EUMETSAT will assess the applicability of EUMETSAT data to support the call:
 - An applicable activation has been issued (e.g. cyclone, ocean storm, fire)
 - The region of interest falls within the footprint of the EUMETSAT satellites
- If applicable, EUMETSAT will generate image files, animation loops for delivery to the PM.
- Since operational qualification in Nov 2013 EUMETSAT has provided imagery for 7 calls. Tropical Storm Haiyan was used by the PM.



EUMETSAT & the Disaster Charter

Use of EUMETCast

Charter Data Dissemination

- Data generated by the Charter Data Providers in support of the call can be disseminated via EUMETCast's Disaster Channel
- These data will be available to Charter Project Managers (PMs) to allow them to generate value added products in support of a call.

Charter Product Dissemination

- Products generated by the PM in support of the call can be disseminated on the EUMETCast Disaster Channel for use by the Authorised User (AU) or End user
- These products would be maps/imagery and other value added products for use by the disaster management agencies.

Pre-Requisite

- The PM and/or AU have access to a EUMETCast User Station.

Disaster Charter & WMO Community

- Expertise from NMHS could support Disaster Management Agency (e.g. Namibian NMHS)
- EUMETCast stations located in NMHSs could be used to deliver Charter Data/Products to Project Managers (PMs) or Authorised Users (AUs)
- Charter Products could be delivered to all GEONETCast users to support familiarisation and training.

Learn more about the Disaster Charter

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Newsletter

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Charter Website

<http://www.disasterscharter.org/web/charter/home>