



National online workshop:

Generating climate change and disaster indicators for policy decision-making in Belize
09 – 11 Nov 2022

Open data from the private sector

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1. Background
2. Planet
3. Maxar

Background

Thanks to technology development, private companies, non-profit organizations, and other public entities are rapidly developing and launching imagery satellites. This movement has been referred to as “the democratization of space.”

This has made outer space and Earth observations accessible to not only the superpowers and large multinationals, but to developing countries.

Remote sensing can provide useful insights in the immediate aftermath of a disaster. From damage assessments to flood mapping to evacuation planning, imagery provides valuable information during these crises.

Nowadays, commercial satellite imagery providers partnering with disaster response organizations in order to use imagery & geospatial analytics to support disaster response.



Planet offers the highest frequency satellite data available.

Their constellation is over 200 earth imaging satellites.

Planet's deliver insights of the diverse changes on earth, including agriculture, forestry, mapping, and government.

Their products include:

Planet Monitoring

Planet Tasking

Planet Basemaps

Planet Analytic Feeds

Planetary Variables: Quantifying a Changing World



Planet's imagery is available under an open usage license.

This data includes pre- and post- event imagery collected by Dove and RapidEye satellite constellations.



Ecuador. Captured by a RapidEye satellite on April 19, 2016

[Planet Pulse | Search results for open data](#)

Maxar provide high-resolution satellite imagery and derived data layers. Their products include:

Optical imagery

With diversity in resolution, currency, spectral bands. Deliver native 30 cm resolution and derived 15 cm imagery.

Imagery basemaps

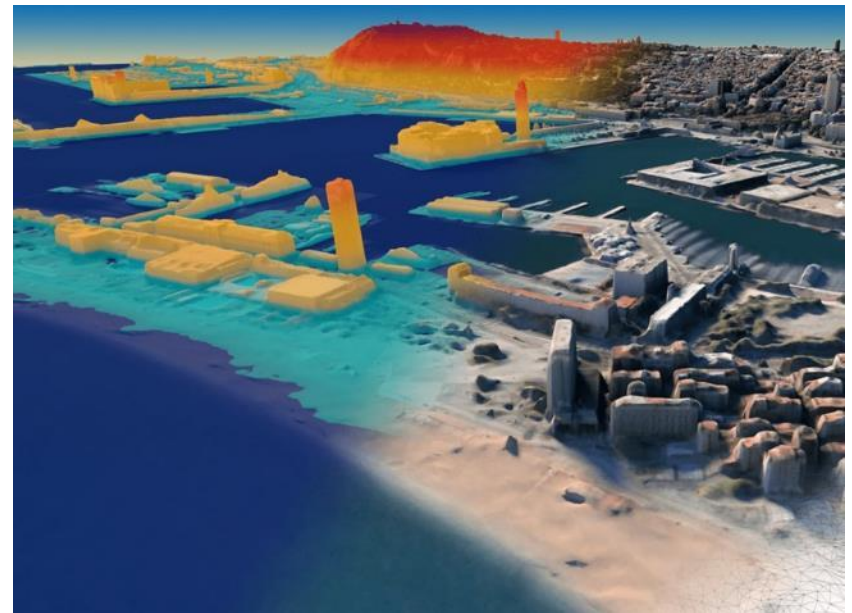
Seamless, high-resolution image basemaps.

Analysis-ready data

ARD skip straight to analysis, are ideal for change detection, mapping and monitoring.

Radar imagery

Ideal for monitoring capabilities to civil, commercial and defense organizations.



Maxar Open Data program provide data & analytics in times of disaster.

By filling out the form you have access to non-commercial, open source satellite imagery.

2022 Events

| | |
|------------------------|----------------|
| Hurricane Ian | Sept. 26, 2022 |
| Hurricane Fiona | Sept. 19, 2022 |
| Sudan Flooding | Aug. 22, 2022 |
| The Gambia Flooding | Aug. 09, 2022 |
| Kentucky Flooding | July 29, 2022 |
| Pakistan Flooding | July 26, 2022 |
| Bangladesh Flooding | June 22, 2022 |
| Afghanistan Earthquake | June 21, 2022 |
| Yellowstone Flooding | June 15, 2022 |
| South Africa Flooding | April 13, 2022 |
| Tropical Storm Megi | April 10, 2022 |
| Brazil Flooding | April 06, 2022 |
| Texas Tornadoes | March 23, 2022 |
| Louisiana Tornadoes | March 23, 2022 |
| Cyclone Emnati | Feb. 22, 2022 |
| Ecuador Flooding | Feb. 01, 2022 |
| Tropical Storm Ana | Jan. 24, 2022 |
| Tonga Volcano | Jan. 15, 2022 |



La Soufrière Volcano, St. Vincent
April, 2021

[Open Data Program | Disaster Response
Geospatial Analytics \(maxar.com\)](https://maxar.com)

Other Free Sources of Satellite Data



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Google Earth

Copernicus Open Access Hub

USGS Satellite imagery

NOAA

Earth on AWS

Zoom.Earth

NASA Worldview

NASA EarthData

INPE CATALOG



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Thank you for your attention!



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