

A map of Colombia showing the distribution of fires. Red circles of varying sizes are scattered across the country, with a high concentration in the eastern region (Cauca, Putumayo, Guaviare, etc.) and a more sparse distribution in the western and central regions. The map includes labels for various cities and natural parks.

Tracking fires worldwide

March 9th

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






















Fires data

(data_downloader.py)

- **Built a soup**
- **Downloaded and stored daily data**
- **Created a file dictionary to be used later**

Table from NASA website

	MODIS 1 km	VIIRS 375 m
World	24h  48h  7d 	24h  48h  7d 
Alaska	24h  48h  7d 	24h  48h  7d 
Australia and New Zealand	24h  48h  7d 	24h  48h  7d 
Canada	24h  48h  7d 	24h  48h  7d 
Central America	24h  48h  7d 	24h  48h  7d 
Europe	24h  48h  7d 	24h  48h  7d 
North and Central Africa	24h  48h  7d 	24h  48h  7d 
Russia and Asia	24h  48h  7d 	24h  48h  7d 
South America	24h  48h  7d 	24h  48h  7d 
South Asia	24h  48h  7d 	24h  48h  7d 
South East Asia	24h  48h  7d 	24h  48h  7d 
Southern Africa	24h  48h  7d 	24h  48h  7d 
USA (Conterminous) and Hawaii	24h  48h  7d 	24h  48h  7d 

Source: earthdata.nasa.gov



Global Human Settlements

- Cuts raster data for each country
- Overlaps with fire data set
- Takes mean settlement values in a buffer around each fire



Maps

- Select data for each country
- Map data for a given country
- Use Django to display maps (in progress)

Example of fire map (Colombia)

