BigData
UN Global Working Group

4TH INTERNATIONAL CONFERENCE ON
BIG DATA
for Official Statistics

8-10 NOVEMBER 2017
BOGOTA, COLOMBIA

Earth Observation Data and Use Cases

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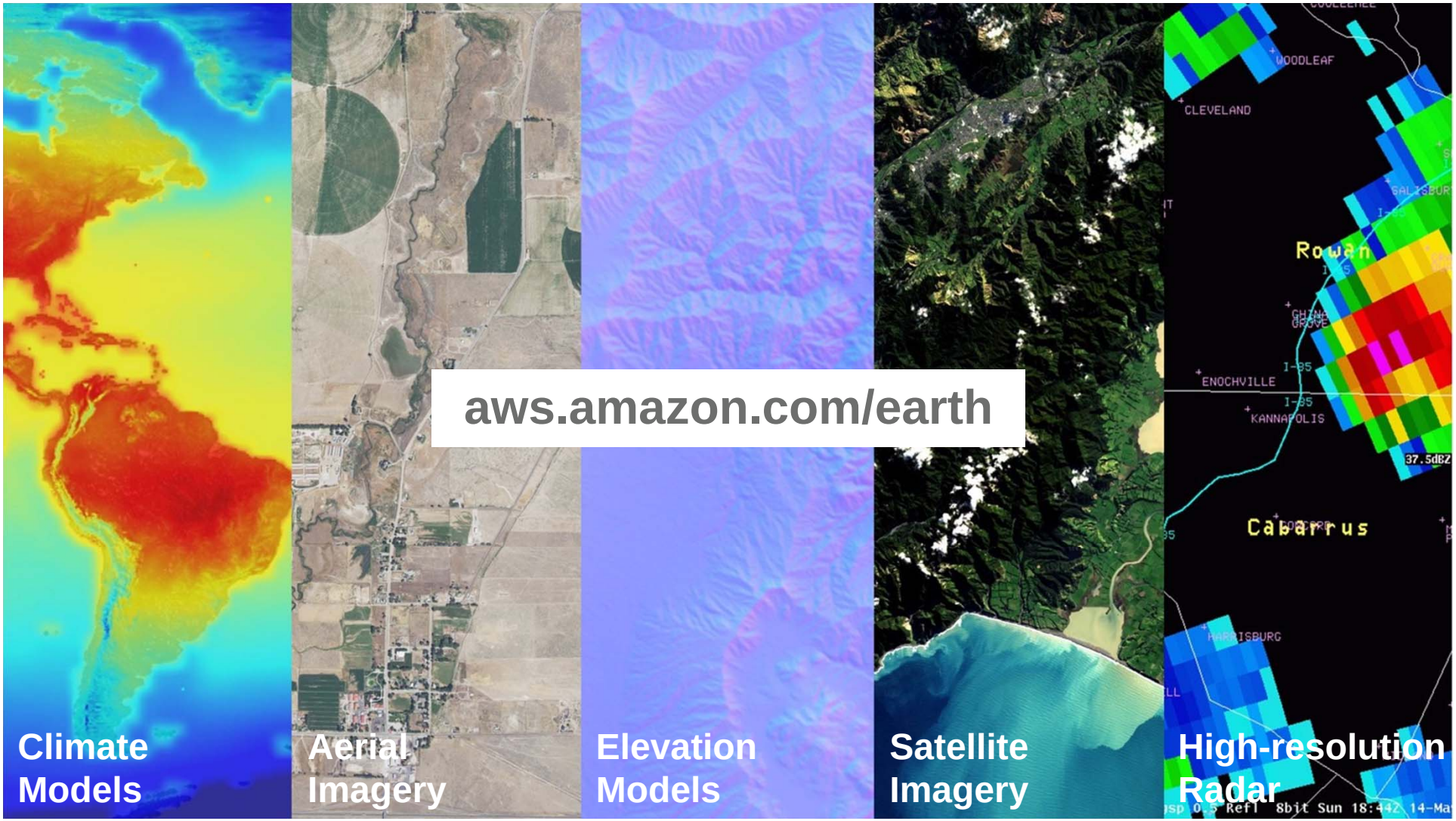
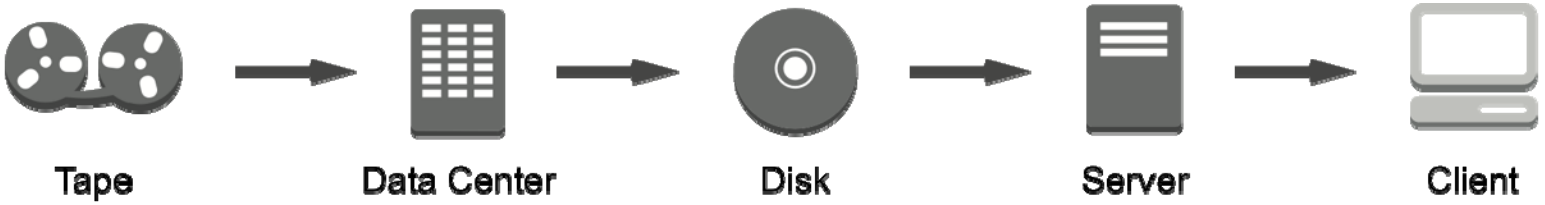
GOBIERNO DE COLOMBIA MINTIC DANE INFORMACIÓN ESTRATÉGICA


aws.amazon.com/earth
Climate Models
Aerial Imagery
Elevation Models
Satellite Imagery
High-resolution Radar
WOODLEAF
CLEVELAND
Rowan
ENOCHVILLE
KANNAPOLIS
37.5dBZ
Cabarrus
HARRISBURG

Traditional Data Acquisition



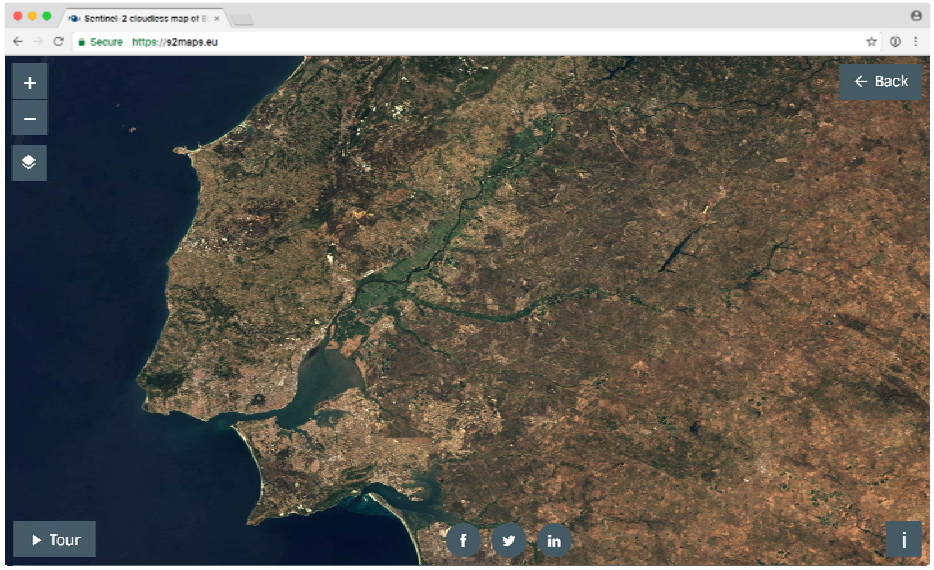
Data Acquisition in the Cloud

Sentinel-2

We have provided a grant to a Slovenian company called Sinergise to explore ways to share Sentinel-2 data via Amazon S3.

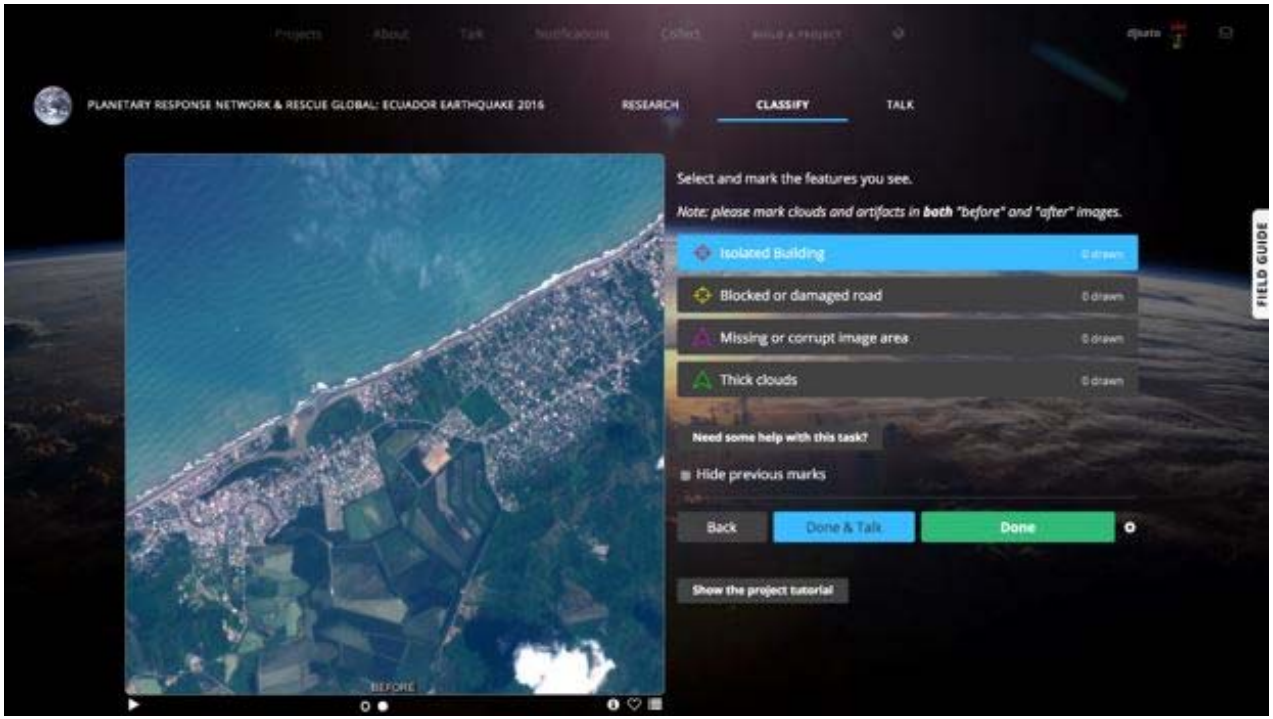
EOX

EOX, an Austrian company, used Sentinel on AWS and catalog services from Sinergise to combine over 8 trillion pixels and create a cloudless atlas over the entire world. Tiles are publicly available in S3 at s3://eox-s2maps.

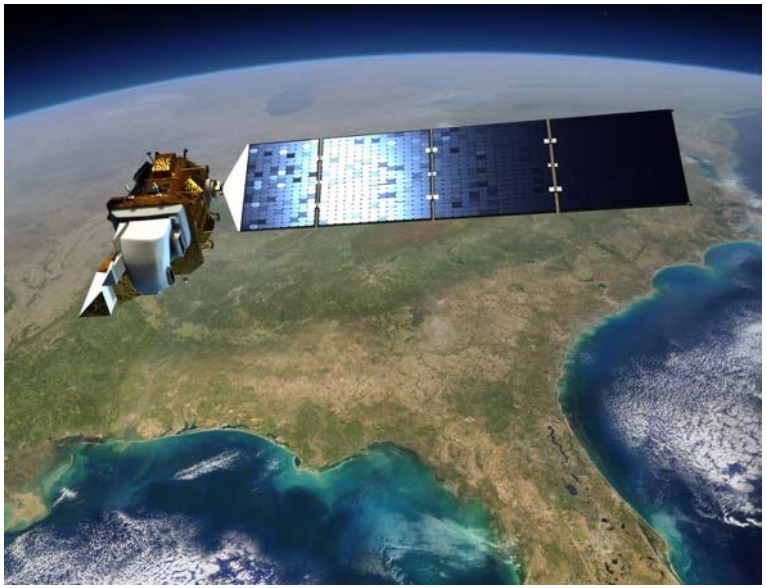


https://s2maps.eu/

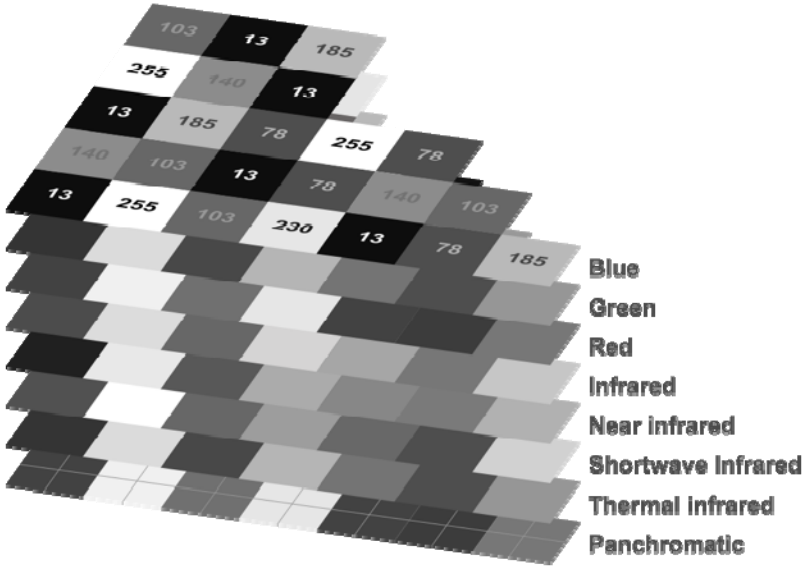
Zooniverse Planetary Response Network



Landsat



Landsat 8 satellite

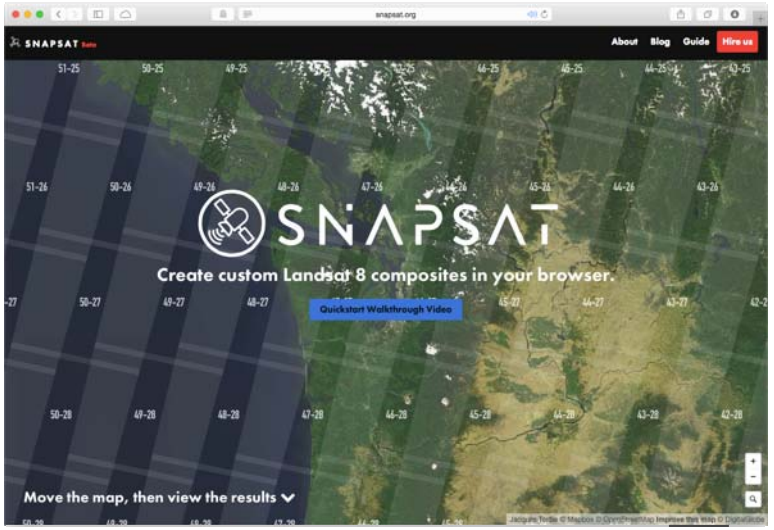


Raster data

Snapsat

A team of five novice programmers used Landsat on AWS to build a web app called Snapsat that creates Landsat data visualizations in seconds.

Snapsat was built during the team's 8-week training program at Code Fellows. They launched it just months after learning to write code.



http://snapsat.org

AWS Cloud Credits for Research provide promotional AWS cloud credits for **anyone** to conduct research on AWS.

aws.amazon.com/earth/research-credits

Thank you!

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