



Earth Observation and Monitoring solution as a Service

Gabriel Mavrellis, CEO GET
May 2017

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Mission

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Open standards

Achieving competitive
advantage by using:



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Using and developing Open & Free software that can be exported all over the world

(E.g. UK, Cyprus, Ghana, Ecuador,
Spain, China)



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Achieving competitive advantage by:

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Supporting open data & data economy philosophy



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Achieving competitive advantage by:

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Sharing our knowledge in 7 countries all over the world



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Achieving competitive advantage by:

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Spatial Data
Infrastructures



Open Data Portals



Business Intelligence and
decision making solutions



Environment

Environmental
management
Infrastructures



Business Units

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Copernicus is the EU's
revolutionary
**Earth Observation and
Monitoring programme**
that enable progress
towards many societal
goals.



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Innovation within Europe

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Thanks to the full, **free
and open data policy**
Copernicus gives rise to
new applications, uses
and markets.



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Innovation within Europe

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Although data delivered free for further use it has increasingly become clear that there is significant further potential in the exploitation of the data and information produced.

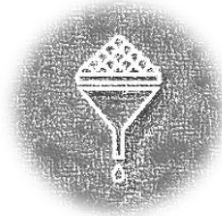


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Opportunity for innovators

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We need an efficient IT-CT environment, thus liberating the user from the need to set up his own infrastructure.



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Bottleneck is an opportunity

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Our platform offers over the cloud in almost real time access to Copernicus open data via OGC Web services that can be used in any SW solution in an agnostic way.



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GET Open Data

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GET SDI PORTAL

Map Files About

Management

Layer Tree

+ Add - Remove

Layers

- Basemaps
 - Blank
 - OpenStreetMap - Transport Map
 - OpenStreetMap
- Layers
 - Tile date
 - Vegetation Index - NDVI
 - Natural color (true color)
 - SWIR
 - Moisture Index
 - Geology
 - False color (urban)
 - Color Infrared (vegetation)
 - Bathymetric
 - Atmospheric penetration
 - Agriculture

Sentinel-Hub Time Compare Analysis

Left Image Settings

Envelope: Natural color

Image Date: 04/09/2017

Atmospheric Correction Filter: ATMCOR

Maximum Allowable Cloud Coverage(%): 70

Cloud Correction:

Cloud Buffer(m):

Priority:

Preview:

Gain:

Gamma:

Offset:

Quality:

Image Upsampling Method:

Image Downsampling Method:

SENTINEL Hub

Compare

Right Image Settings

Envelope: Natural color

Image Date: 10/31/2016

Atmospheric Correction Filter: ATMCOR

Maximum Allowable Cloud Coverage(%): 40

Cloud Correction:

Cloud Buffer(m):

Priority:

Preview:

Gain: 1.1

Gamma:

Offset:

Quality:

Image Upsampling Method:

Image Downsampling Method:

Agriculture

Giannitsa / Greece (Oct 16 / Mar 17)



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2016-10-01

SENTINEL Hub

Compare

Agriculture

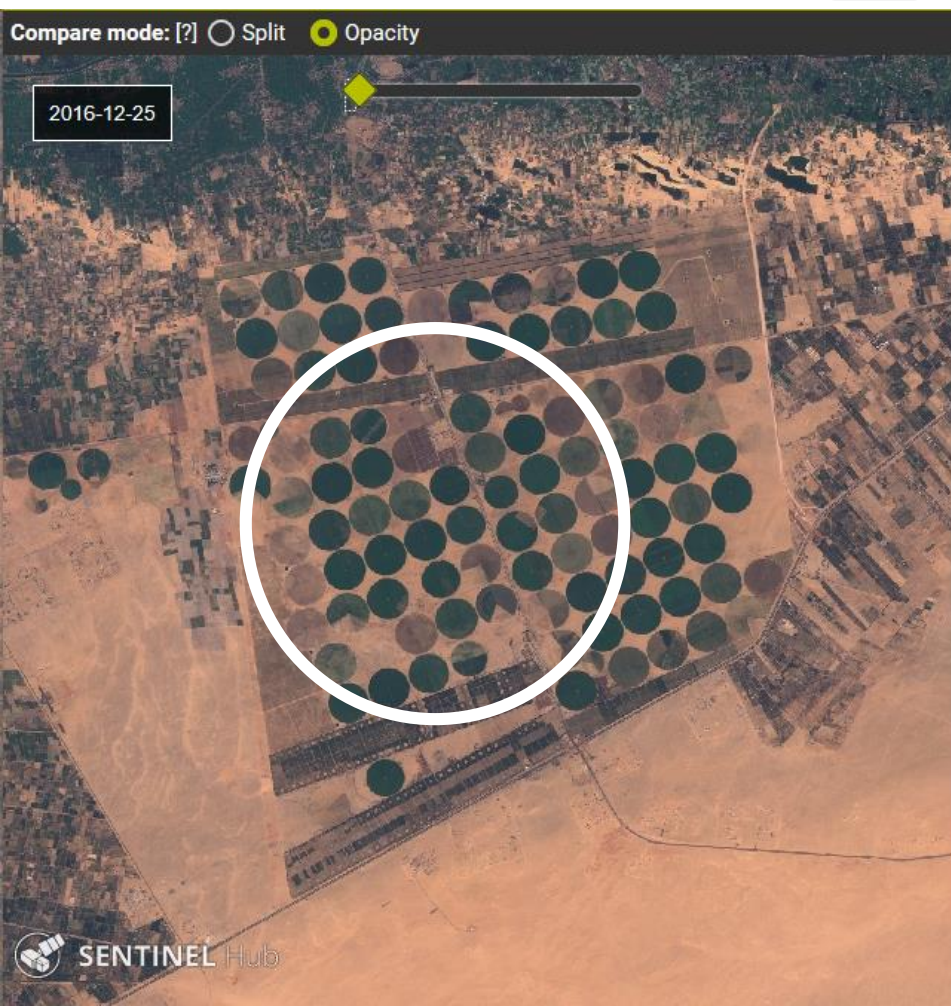
Giannitsa / Greece (Oct 16 / Mar 17)



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Agriculture

10th of Ramadan City Egypt



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Agriculture



Forestry



Urban Monitoring



Insurance



Ocean Monitoring



Oil & Gas

Renewable
Energies

Air Quality



Urban Planning

Al Ismaylia Egypt (Aug 15 / May 17)



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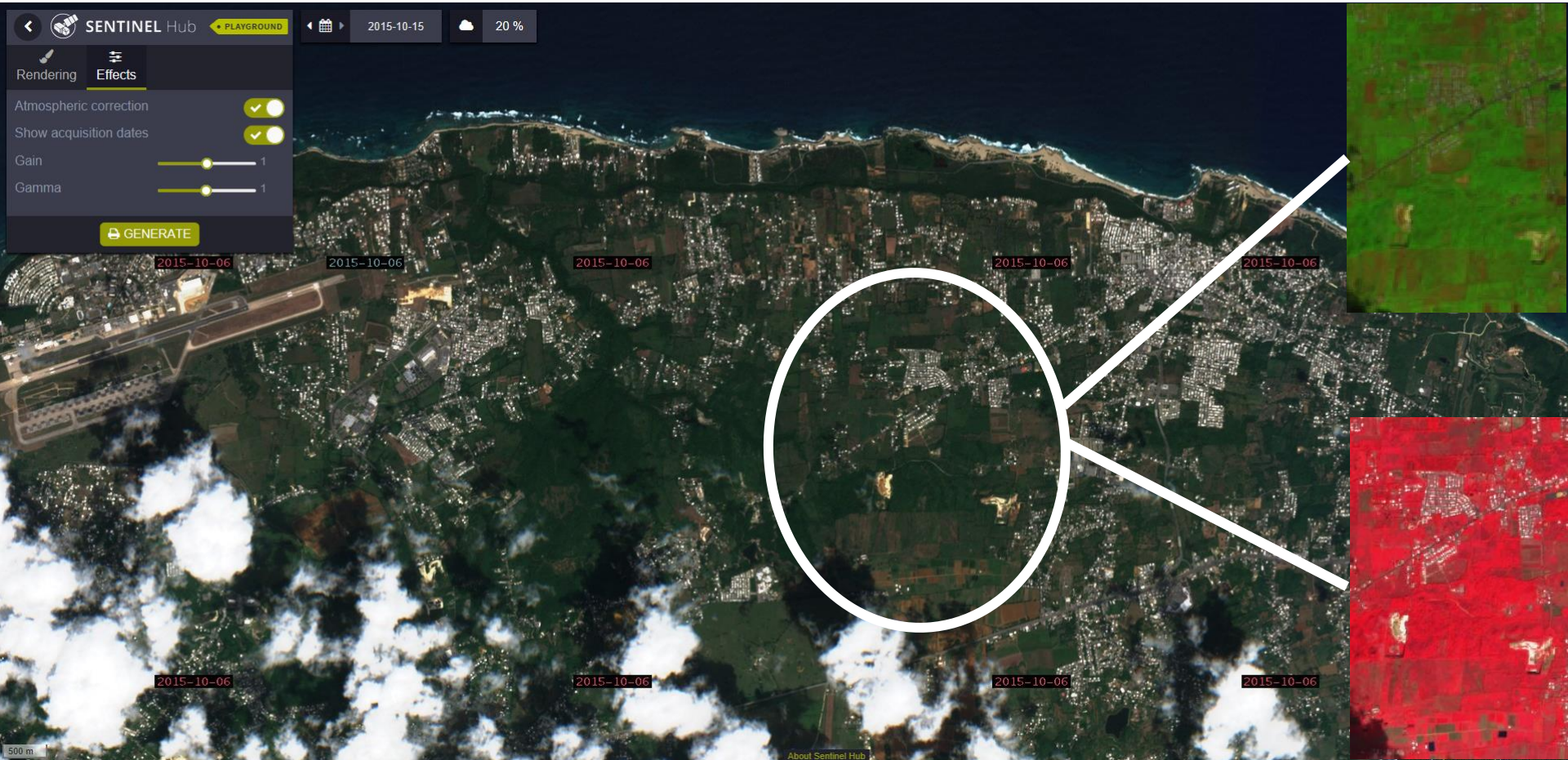
Oil & Gas



Renewable
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Air Quality



Renewable Energy

Isabella Puerto Rico (Oct 15 / May 17)



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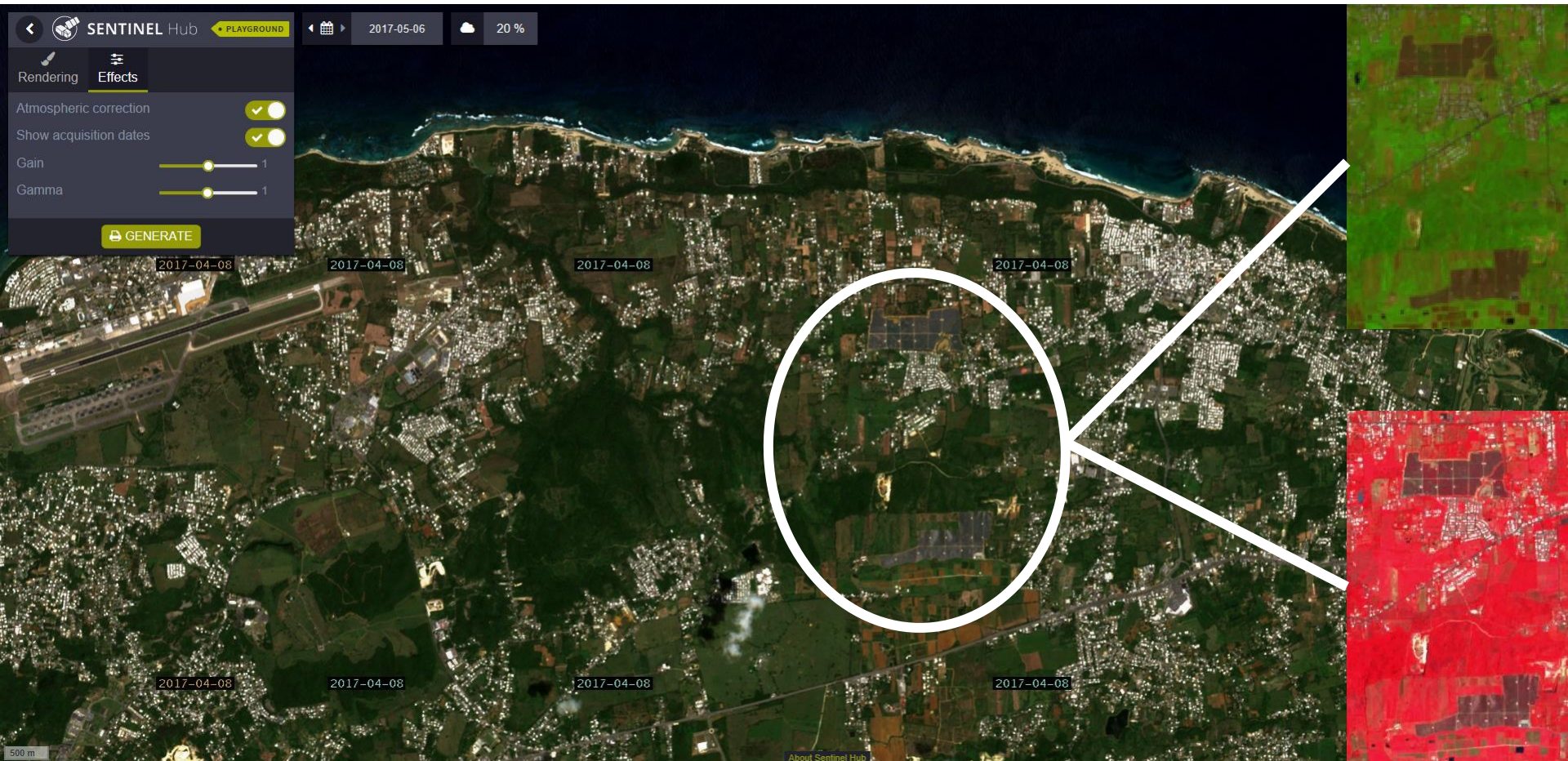
Ocean Monitoring



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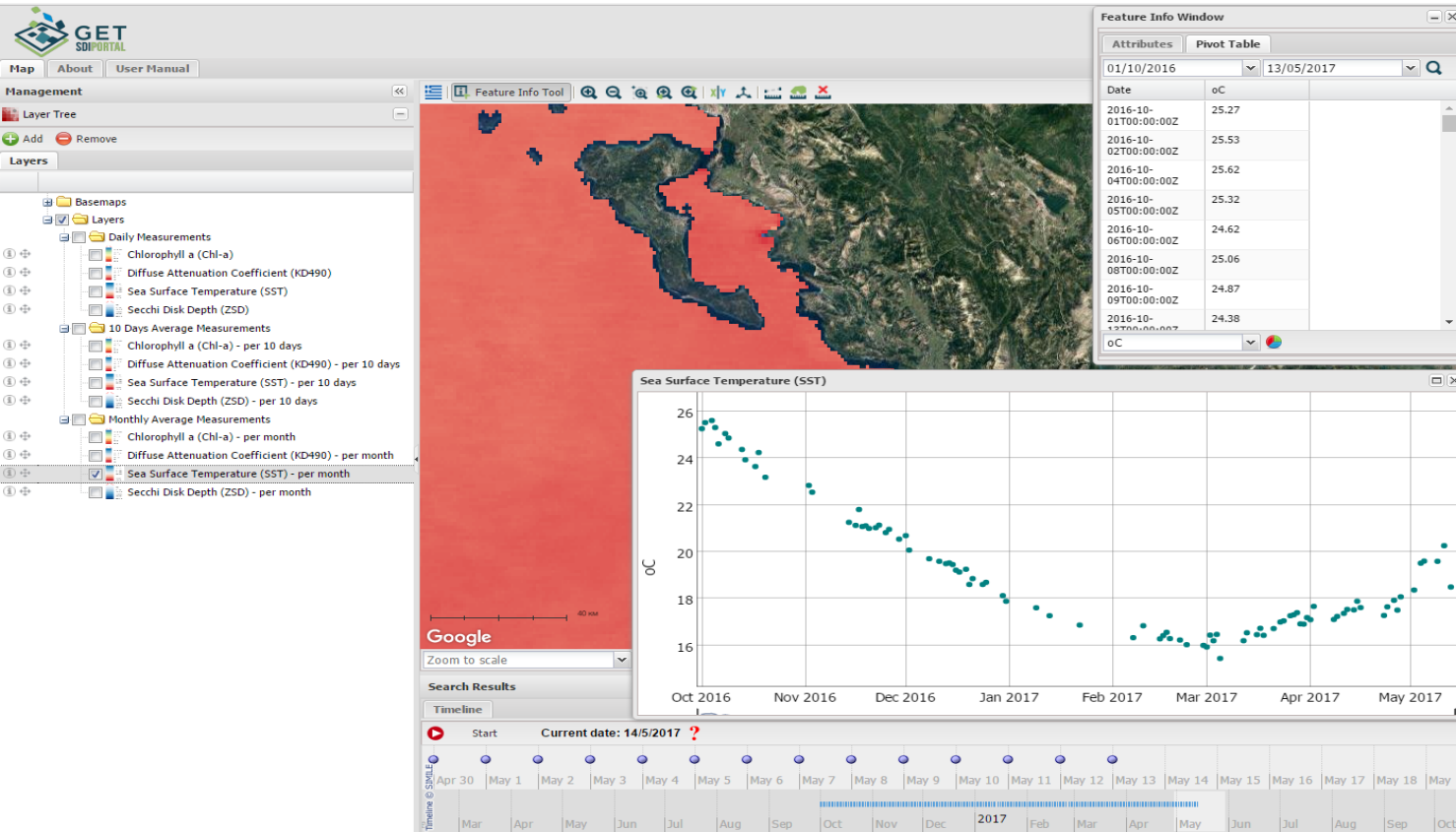
Renewable Energy

Isabella Puerto Rico (Oct 15 / May 17)



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Ocean Monitoring Corfu Greece (Oct 16 / May 17)

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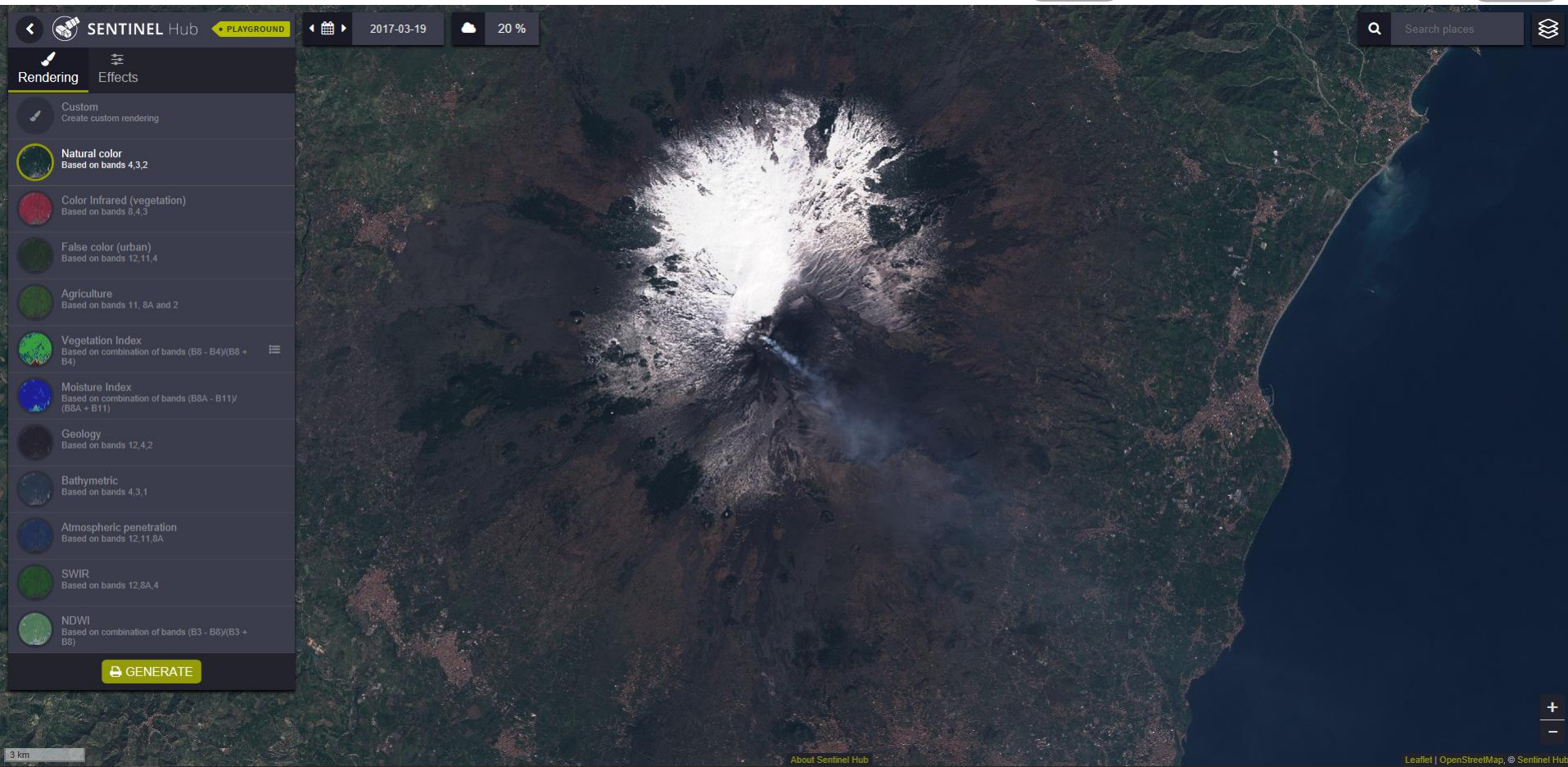
Ocean Monitoring



Oil & Gas

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Emergency Evacuation Plan Etna / Italy (Mar 17)



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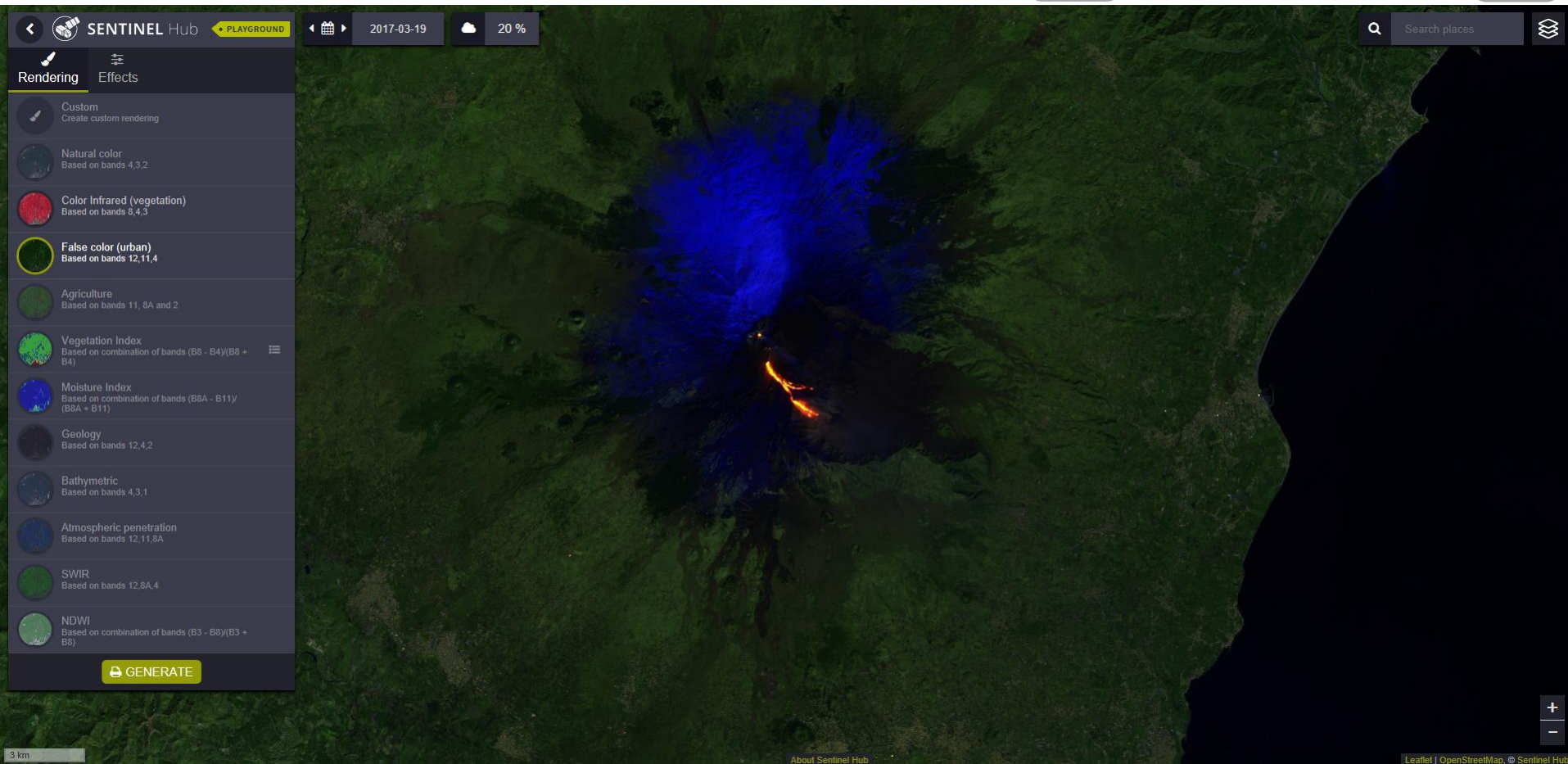
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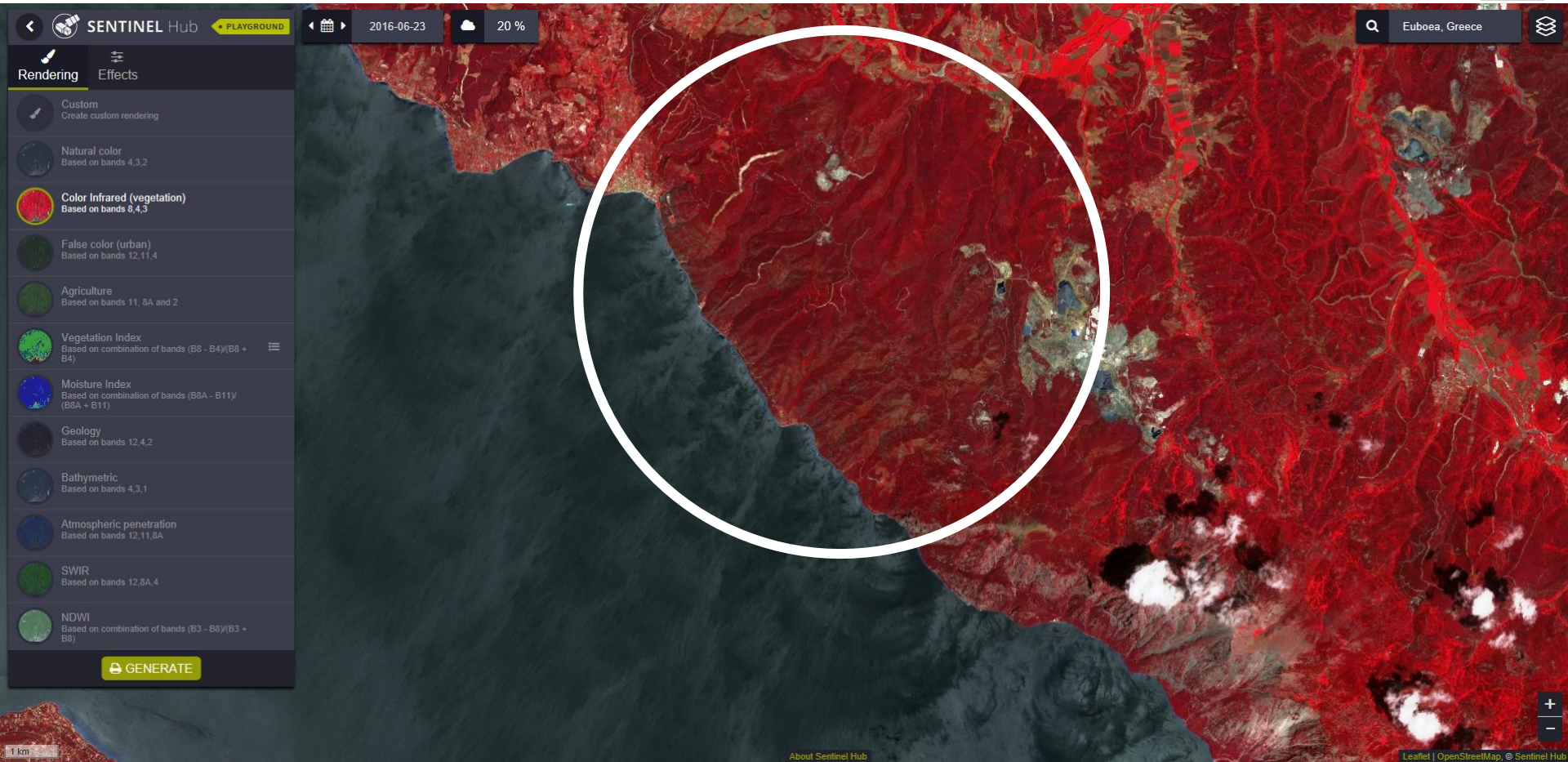
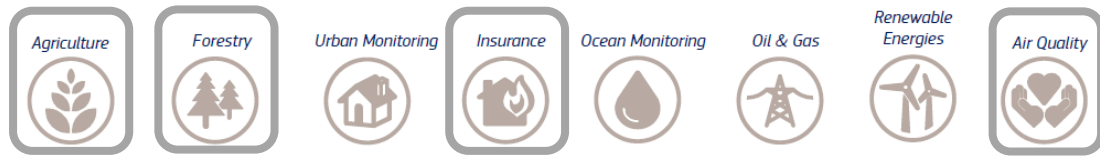
Emergency Evacuation Plan Etna / Italy (Mar 17)



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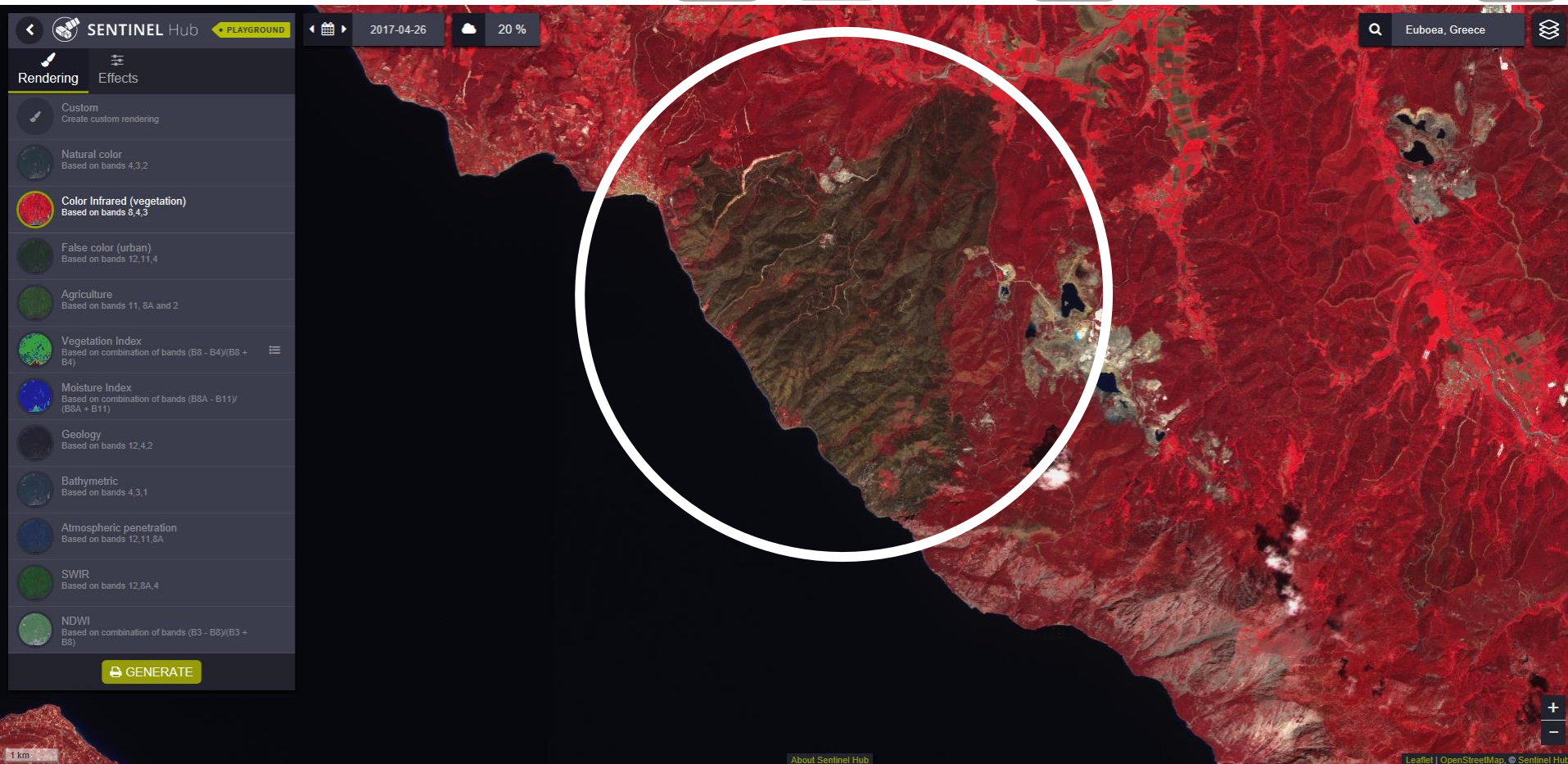
Fire Damage Assessment Evia Greece (Jun 16 / Apr 17)



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Fire Damage Assessment Evia Greece (Jun 16 / Apr 17)



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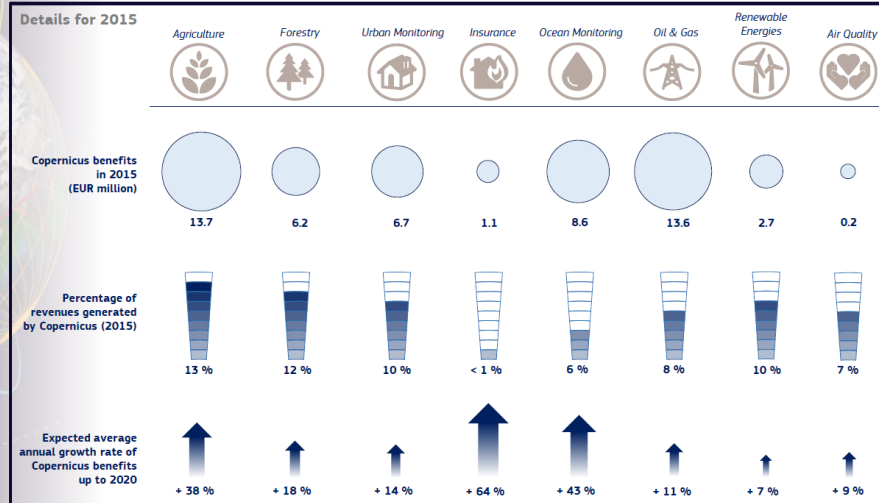
Oil & Gas

Renewable
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Air Quality



The Copernicus benefits vary between the value chains, depending on the relative size of the domain in the EO downstream market and the penetration rate of Copernicus. All the sectors considered are forecasted to witness a positive evolution of Copernicus economic impacts and some value chains are expected to experience very high growth in the coming years (particularly Agriculture, Insurance and Ocean Monitoring).



Copernicus Market report | Issue 1, November 2016



All the sectors considered are
forecasted to witness a positive
evolution of Copernicus
economic impact

(Source Copernicus Market report | Issue 1, November 2016)



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