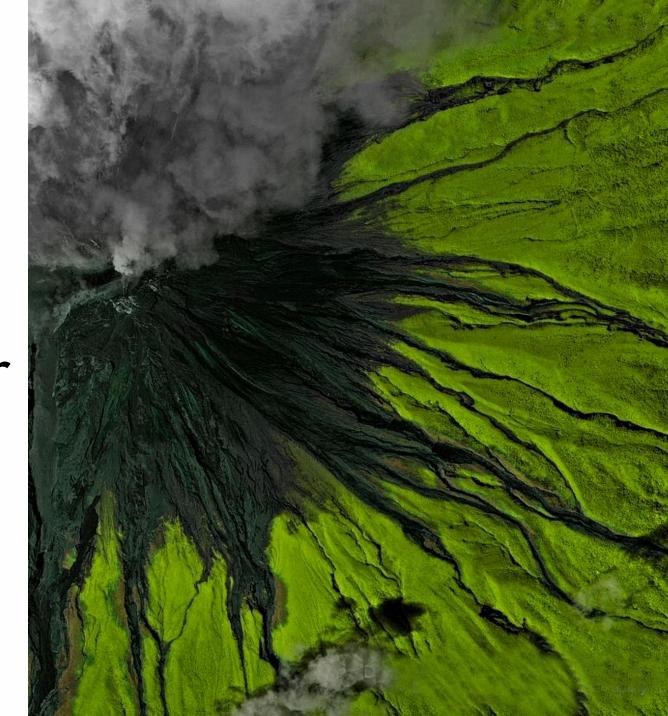


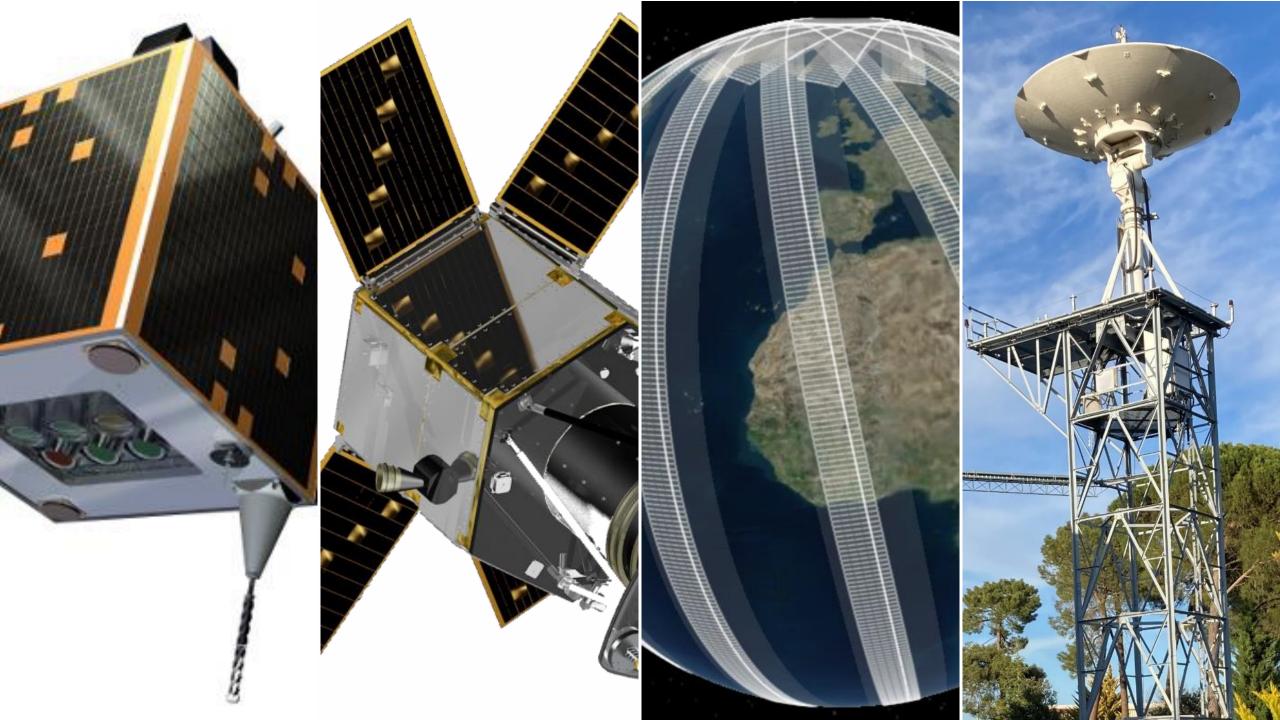


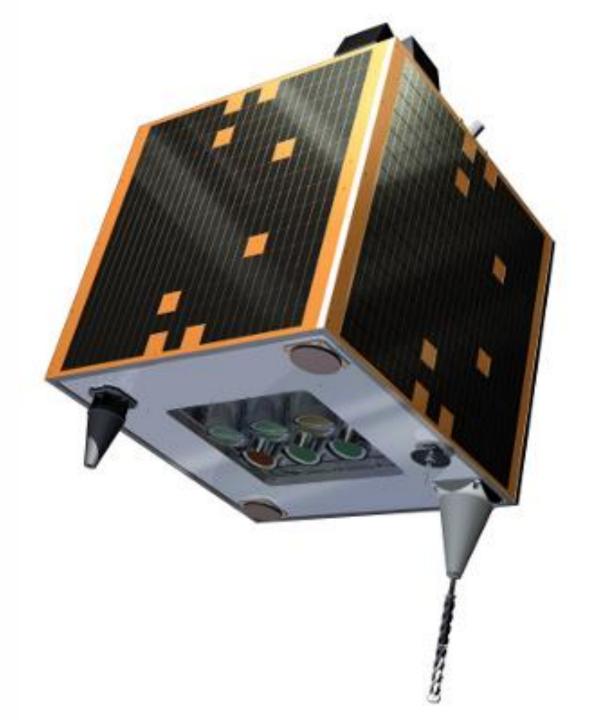
Earth Observation service Provider

Private satellite operator with submetric imagery capability

Portugal & Spain









Satellite GEOSAT-1 650km swath @ 22m 2-3 days' revisit 3-bands

- ullet Red
- Green
- NIR

## GEOSAT-1

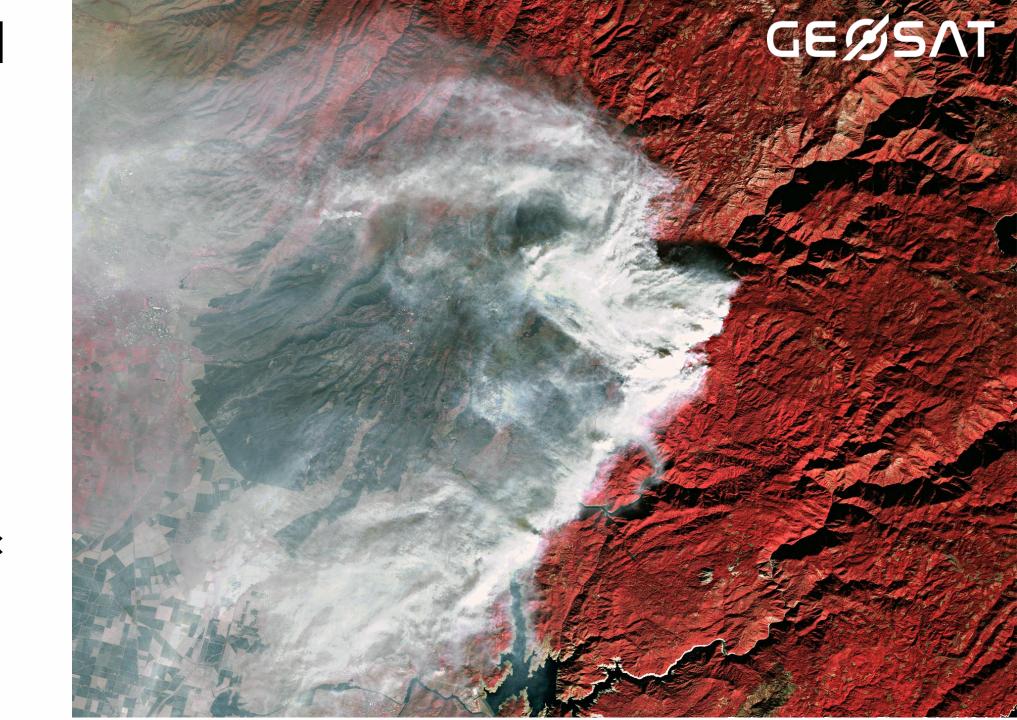
Agriculture

Land mapping

Environmental management

Coastal monitoring

Maritime traffic monitoring







Satellite GEOSAT-2 12km swath @ 75cm 2 days' revisit 5-bands

- Panchromatic
- Red, Green, Blue
- NIR

## GEOSAT-2

Agriculture

Land registry

Traffic monitoring

Homeland security

Change detection







Archive 5,900 million km<sup>2</sup> over the entire World

Processing chains L1 to L3

Service delivery platforms

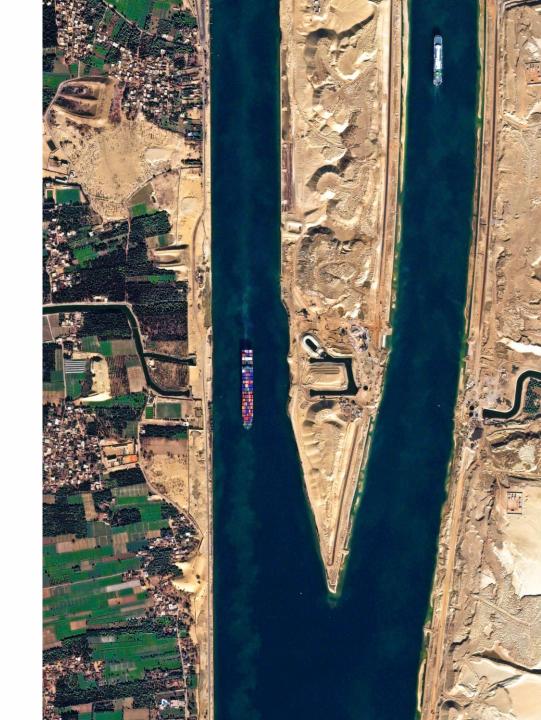




5,5m Antenna Valladolid, Spain



# Projects in Africa



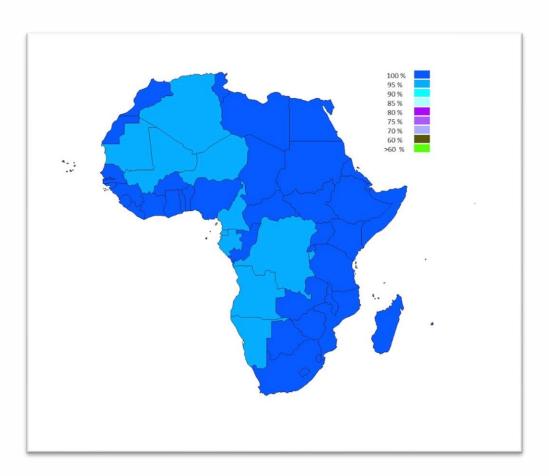
#### Coverages

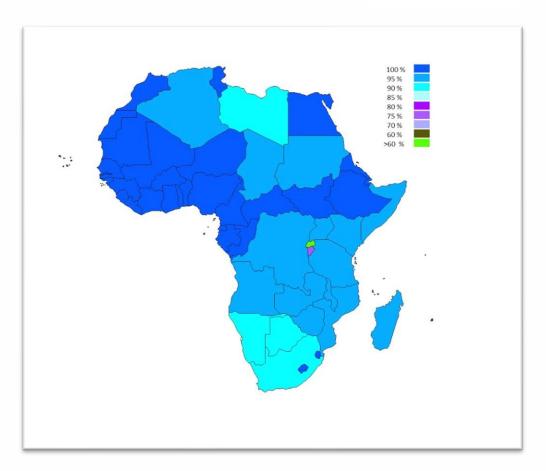
GE%S/NT

2011-2014





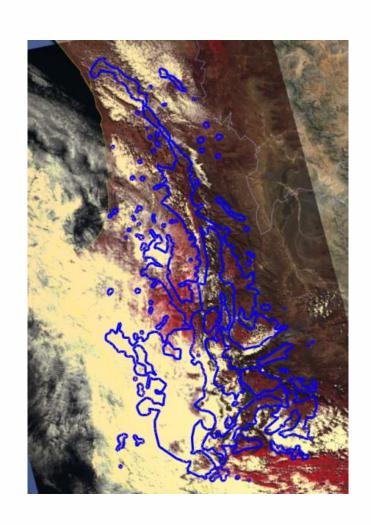




## Coverages

# GE%S/NT

#### South Africa 2015



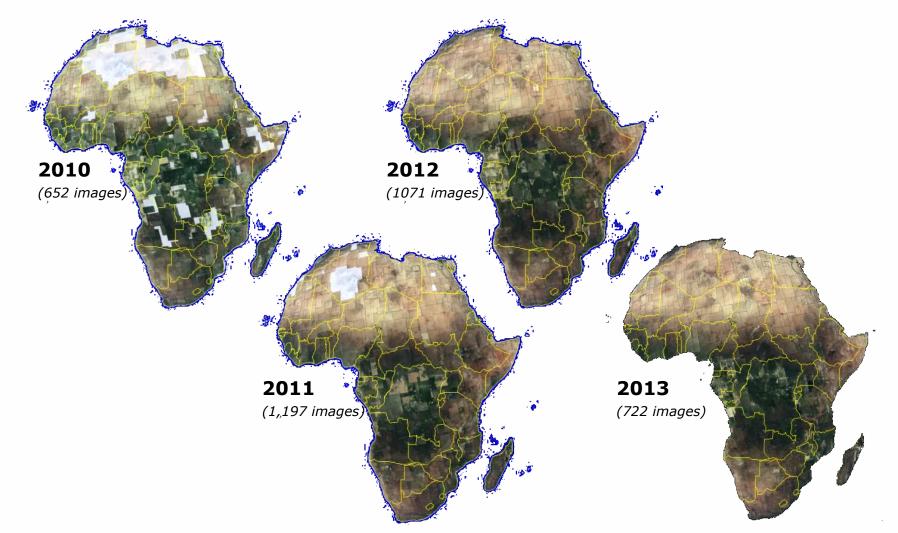




#### Coverages



Wide coverage yearly, almost-cloud-free, coverage of Africa since 2010

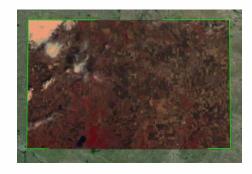


# Agriculture

#### FP7 project 2014-2015 5 areas of interest



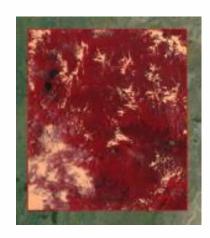
Kyvi\_W7 10/09/2015 DE006f92p-s



SRIA\_W7 02/09/2015 DE006f1ep-s



Heilongjiang\_W4 04/09/2015 DE006f38p



West Shewa\_W5 04/09/2015 DE006f3ap-s



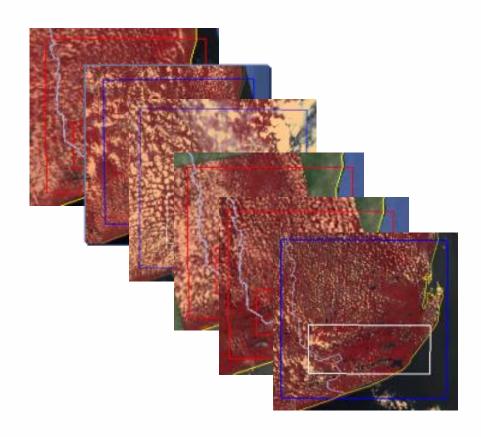




Shangdon\_W7 06/09/2015 DE006f55p

# Agriculture

FP7 project 2014-2015 Mozambique





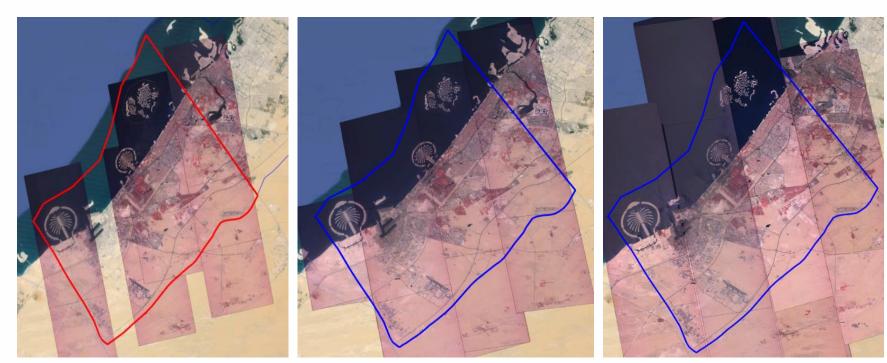




## Stereo imagery

#### GE%S/NT

Dubai 2015 Stereo imagery



Archive single pass from March and April 2015
Stereo pairs from 16, 22 & 28 July and 03 August 2015 (center). Stereo pairs from September (right)

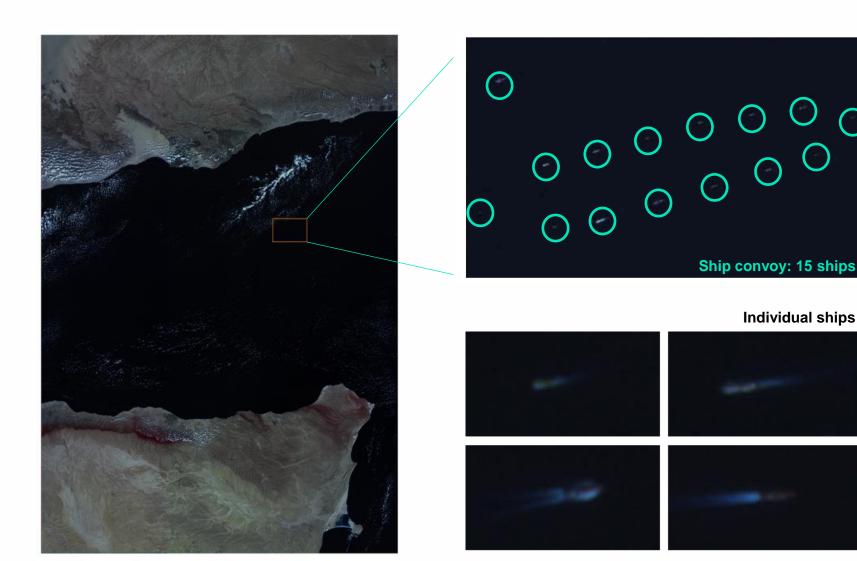


Dubai area DEIMOS-2 AoI (red) DUBAISAT-2 AoI (blue)

#### Maritime surveillance

#### GE%S/NT

#### Vessel detection





# Lessons learned and future perspectives



#### Looking to the future



#### Earth Observation services

- Democratisation
- Users vs. Customers
- From image reselling to jointly developed services
- New market
- One size does not fits all

#### Satellite Constellation development

- Joint development of Space-based capabilities
- Coordination of Space-based assets

