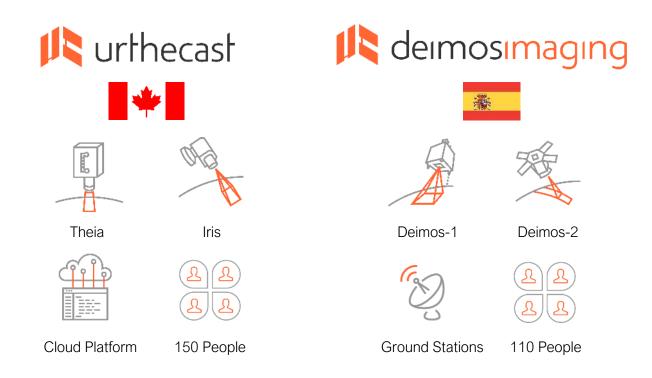






# Deimos Imaging, an UrtheCast company

Canada HQ & Engineering | Spain Satellite Operations | USA R&D & Product Development ~ 260 people





#### deimosimaging

### Deimos-1

#### Medium-Resolution Imagery



Launched 2009 Pixel size 20 m

Bands 3 (Red, Green, NIR)

Image width 650 km

Revisit time 3 days average, worldwide Image time Mid-morning (10:30 AM)

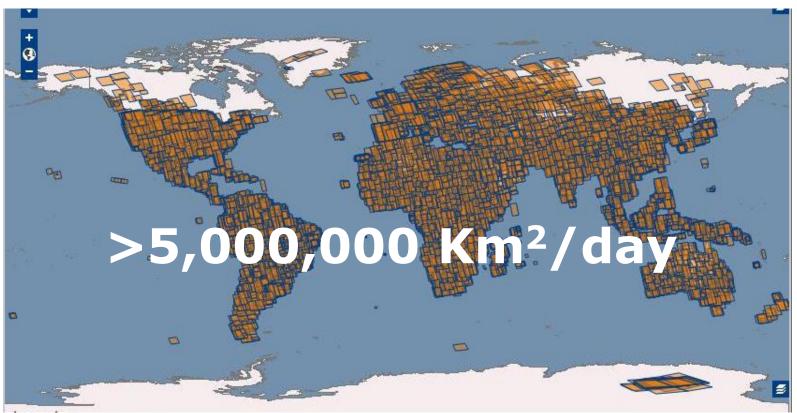
### **Key Features**

- Designed for agriculture, forestry and large-scale change detection
- Unique coverage capacity of entire countries in few days
- Capable of acquiring up to 8 million sqkm per day, high quality data
- Used by ESA for large-scale monitoring since 2010
- Used by USDA for crop monitoring in the US since 2011
- Large coverage + NRT service suited for Maritime Surveillance





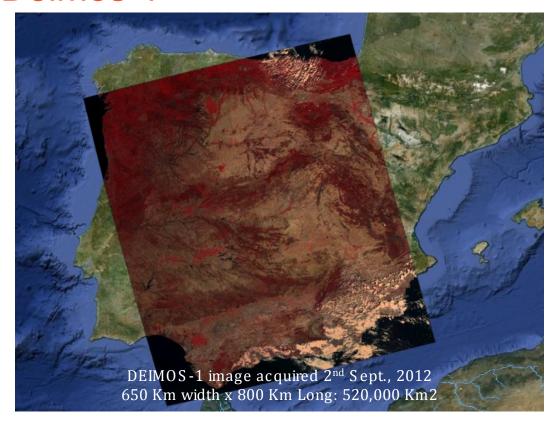




Online catalogue of DEIMOS-1 imagery (>50,000 images)













Landsat-8: 16 days



Deimos-1: 2 days







The world leading imagery source for large scale agriculture

Unmatched capacity of fast cloud-free coverage of very large areas, thanks to 650-km swath

Example: One cloud-free coverage of CONUS every 15 days during crop season, for USDA since 2011

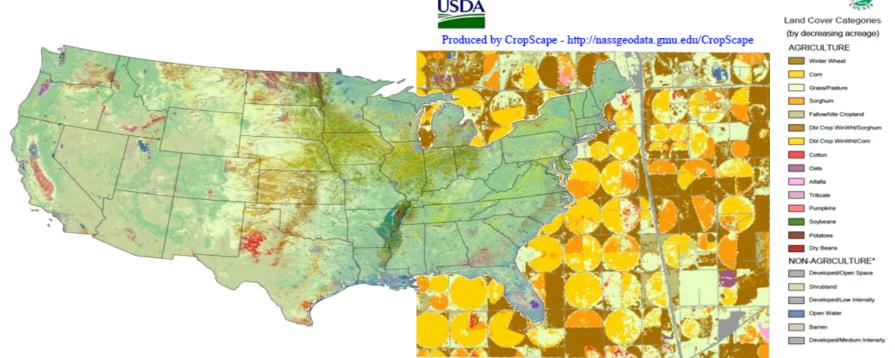






The world leading imagery source for large scale agriculture

Final USDA product: 30-m Cropland Data Layers with 9 billion pixel

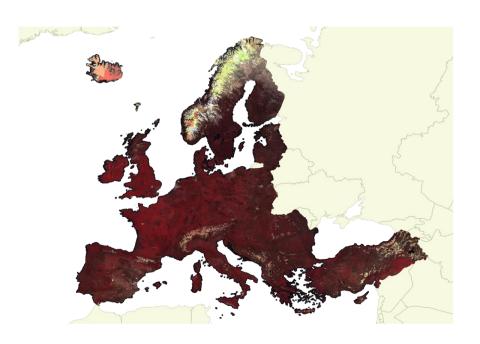






ESA Copernicus Data WareHouse: Monthly cloud free coverages 2015

April, 2015

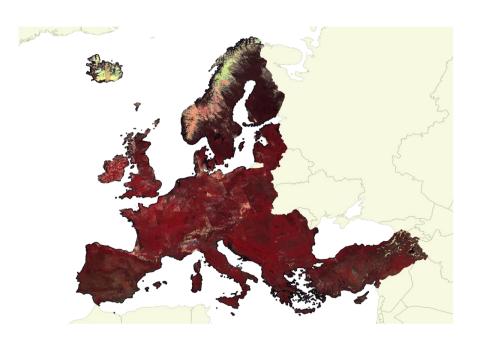






ESA Copernicus Data WareHouse: Monthly cloud free coverages 2015

May, 2015

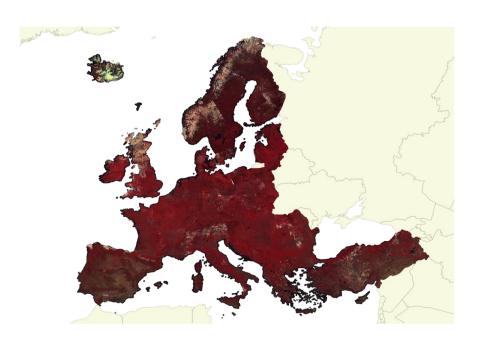






ESA Copernicus Data WareHouse: Monthly cloud free coverages 2015

June, 2015

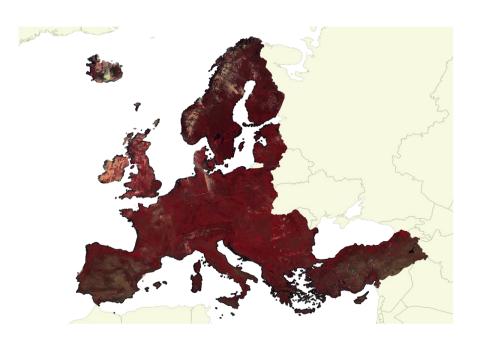






ESA Copernicus Data WareHouse: Monthly cloud free coverages 2015

July, 2015







ESA Copernicus Data WareHouse: Monthly cloud free coverages 2015

August, 2015

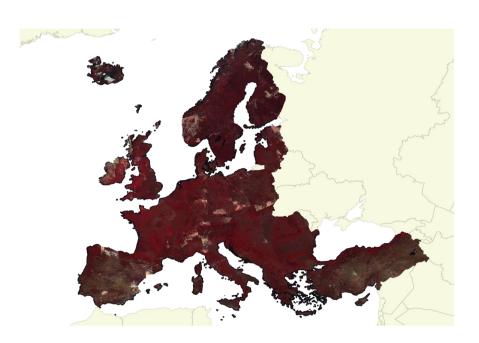






ESA Copernicus Data WareHouse: Monthly cloud free coverages 2015

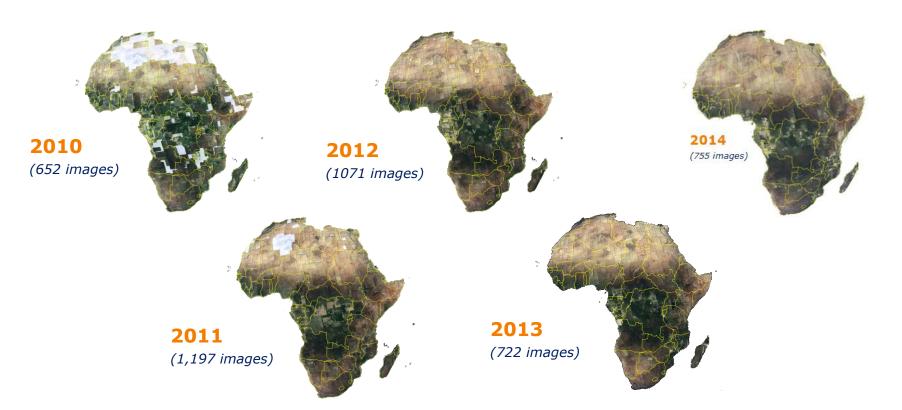
September, 2015







Africa Dataset (ESA Copernicus): One cloud free coverage per year







Case of Study: Support to Crisis Management

DEIMOS-1 images of Japan Tsunami in Sendai - March 12th & 13th, 2011







Case of Study: Support to Crisis Management

DEIMOS-1 images of Japan Tsunami in Sendai - March 12th & 13th, 2011







#### High-Resolution Imagery



Launched 2014 Pixel size 75 cm

Bands 5 (Red, Green, Blue, NIR, PAN)

Image width 12 km

Revisit time 2 days average, worldwide Image time Mid-morning (10:30 AM)

#### Key Features

- High-quality, high-resolution
- Designed for defence & intelligence, cartography, frequent monitoring
- Capable of stereo acquisitions for large-scale 3D modelling
- Designed for fast tasking: up to few hours before acquisition
- Ultra-rapid delivery time: within 1 hour from acquisition, 24/7/365
- Fully private system







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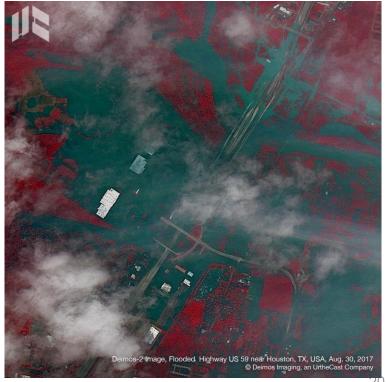




# Integrated Operations – DEIMOS-1 & DEIMOS-2

Tipping & Cueing between the two satellites





Tipping: 20 m, wide-area change detection with DEIMOS-1

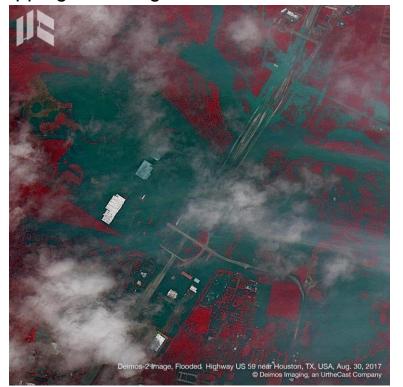
**Cueing: 75 cm DEIMOS-2 imagery** 





# Integrated Operations – DEIMOS-1 & DEIMOS-2

Tipping & Cueing between the two satellites















# The UrtheDaily<sup>TM</sup> Constellation

#### **BEST COVERAGE**

All the World, Everyday, at 10:30 AM, at 5m/pixel, through a user-friendly cloud platform

8 satellites to produce consistent, reliable, daily delivery of 140 M km<sup>2</sup> of multispectral imagery

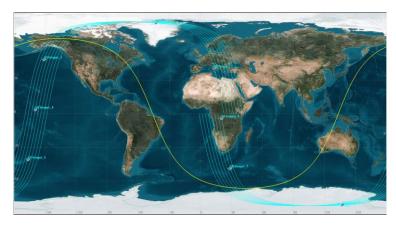
Product: Multispectral, 5m/pixel high-quality imagery, with full global daily coverage

Service: Through the cloud, and via APIs, all based on the UrthePlatform

UrtheDaily<sup>TM</sup> will enable daily, global change detection and analysis at unprecedented scale.

- Developed following years of study, as natural evolution of the Deimos-1
- Incorporates market lessons learned via current assets and customers
- An unprecedented and disruptive product/service, tailored for GeoAnalytics

UrtheDaily™ operations could start as early as 2018







# From Earth Observation to GeoAnalytics

A source-agnostic, cloud-based ecosystem for ingesting, displaying, exploiting, and distributing satellite data, imagery, and video to monitor our constantly-changing world.



