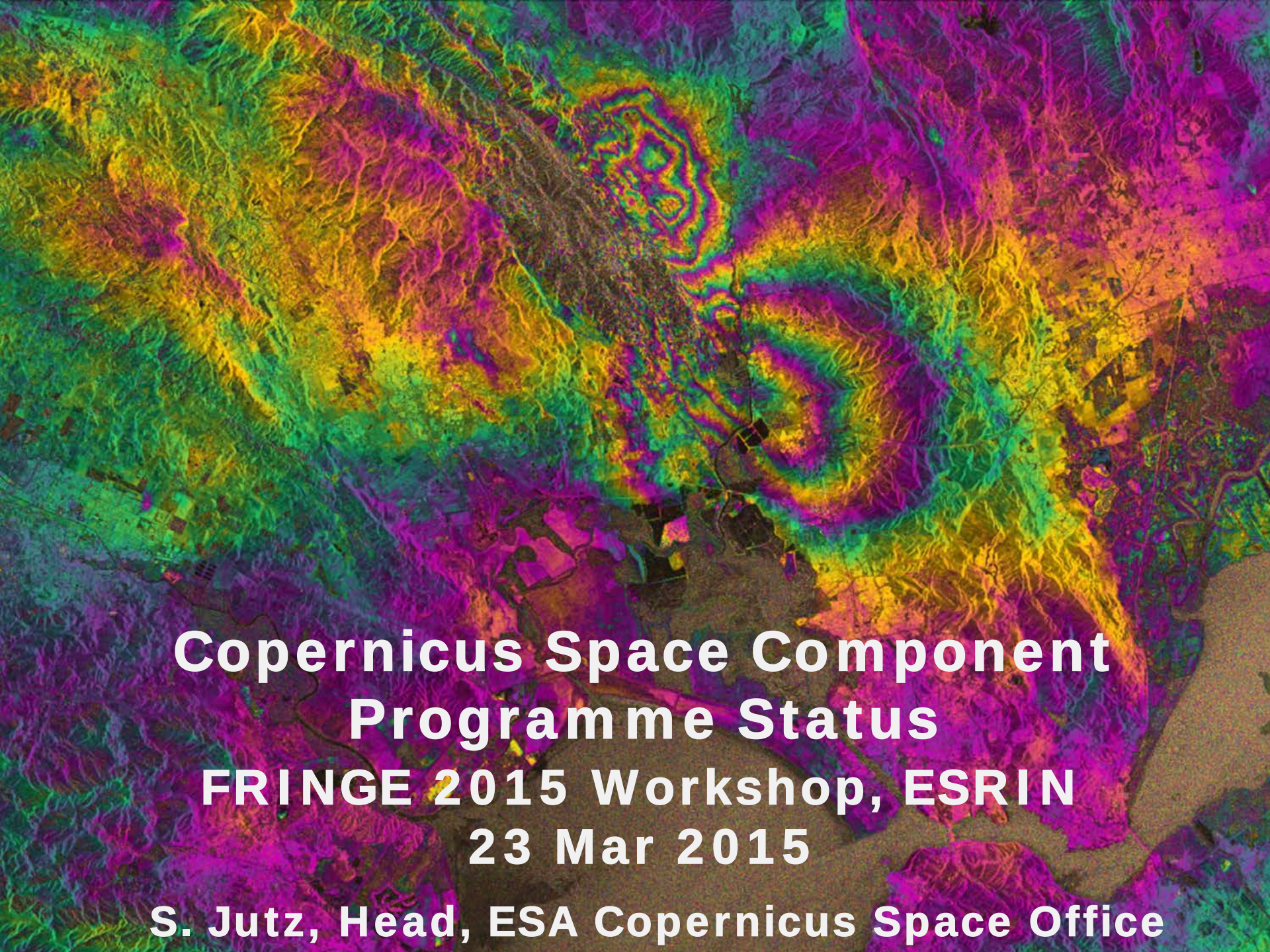
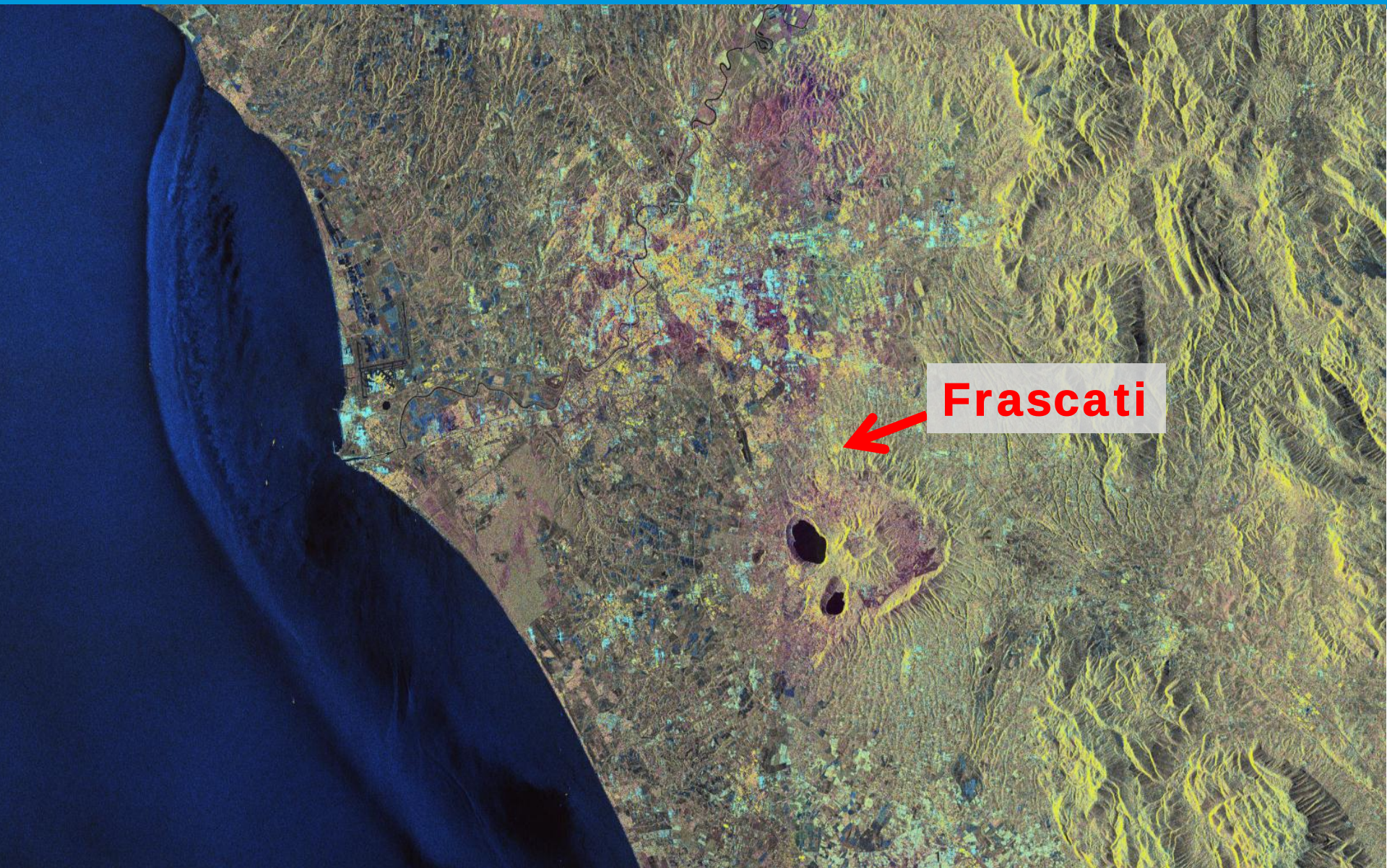


Copernicus Space Component Programme Status

FRINGE 2015 Workshop, ESRIN
23 Mar 2015

S. Jutz, Head, ESA Copernicus Space Office

Rome seen by Sentinel-1



Components & Competences

Coordinators:

Partners:

Space Component

esa

Industries | Private companies | National Space Agencies | Eumetsat

European Commission

Overall Programme Coordination

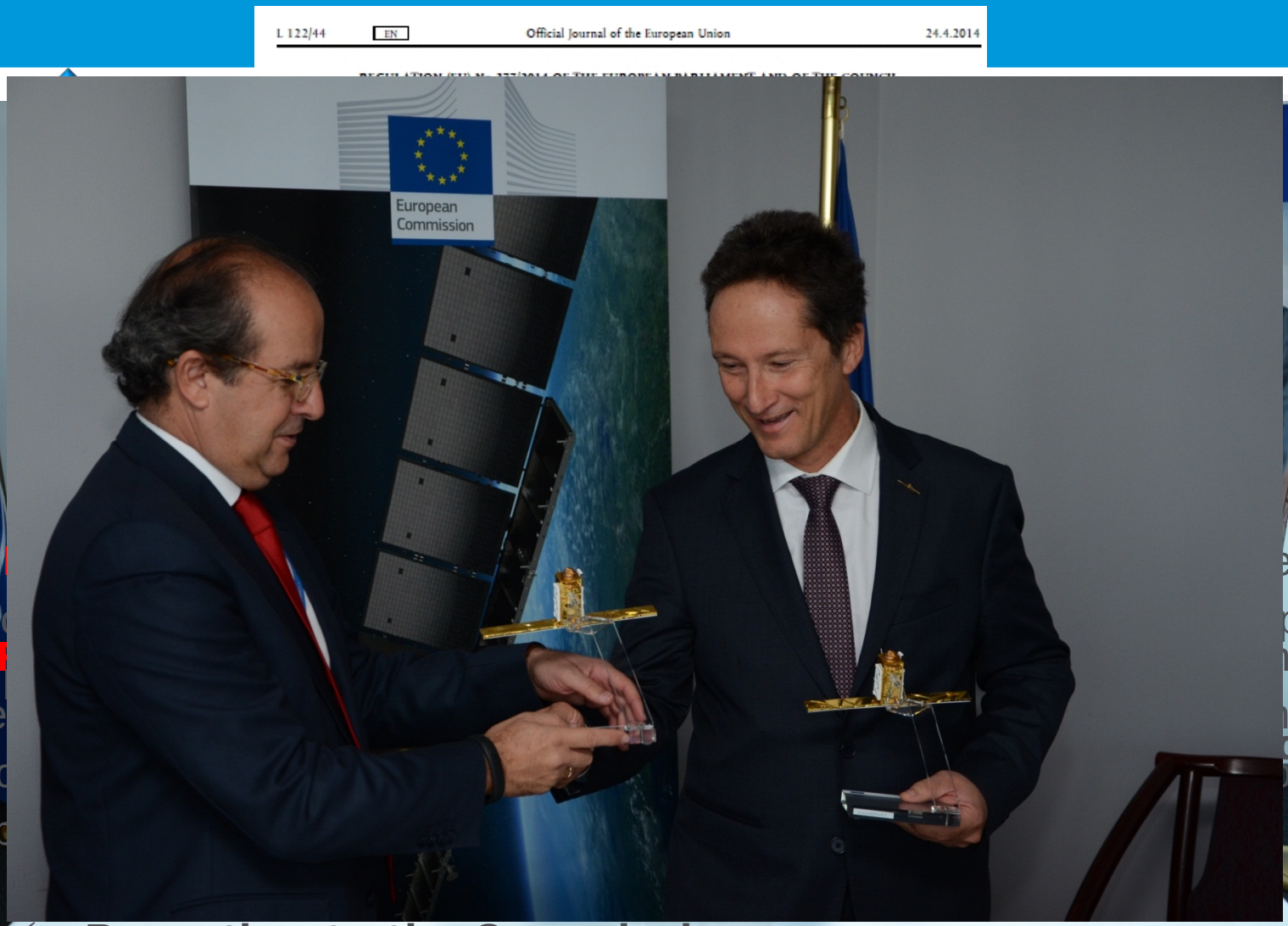
Services Component

European Commission

EMCWF | EMSA and FRONTEX | Mercator Ocean | Service operators | EUSC | EEA | JRC

In-situ data are supporting the Space and Services Components

Copernicus Key Milestones 2014



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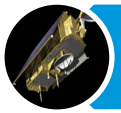
- ✓ Reporting to the Commission
- ✓ Assets ownership transfer

24 March 2014.
(*) Regulation (EU) No 911/2010 of the European Parliament and of the Council of 22 September 2010 on the European Earth monitoring programme (GMES) and its initial operations (2011 to 2013) (OJ L 276, 20.10.2010, p. 1).
(*) Council Regulation (EU, Euratom) No 1311/2013 of 2 December 2013 laying down the multiannual financial framework for the years

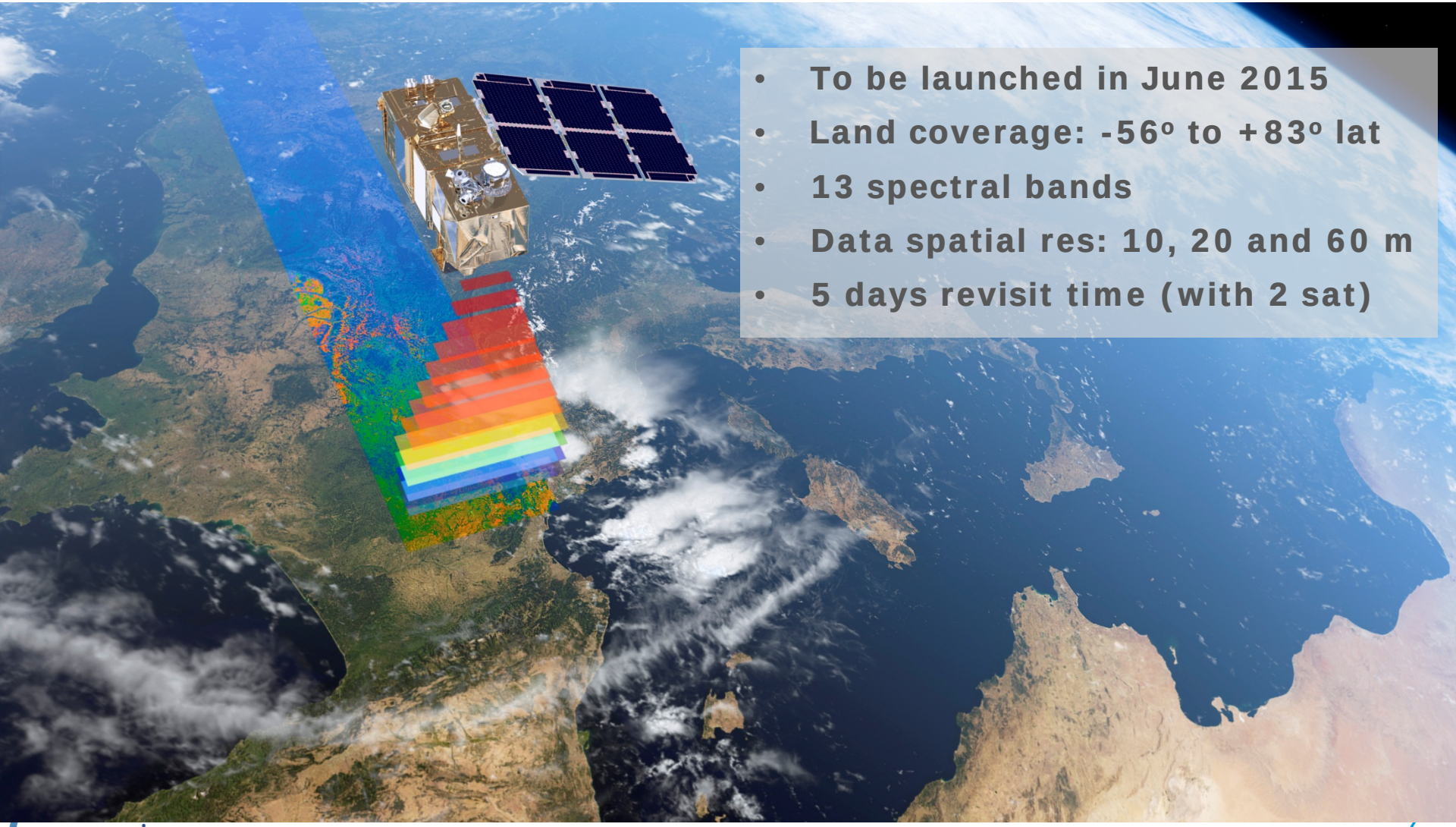
Copernicus Space Component: the dedicated Sentinels …

	**S-1A/B:** Radar Mission	3 Apr 2014/early 2016
	**S-2A/B:** High Resolution Optical Mission	June 2015/2016
	**S-3A/B:** Medium Resolution Imaging and Altimetry Mission	end 2015/2017
	**S-4A/B:** Geostationary Atmospheric Chemistry Mission	2021/2027
	**S-5P:** Low Earth Orbit Atmospheric Chemistry Mission	2016
	**S-5A/B/C:** Low Earth Orbit Atmospheric Chemistry Mission	2021/2027
	**S-6A/B:** Altimetry Mission	2020/2025

Sentinel-1 launched last year …

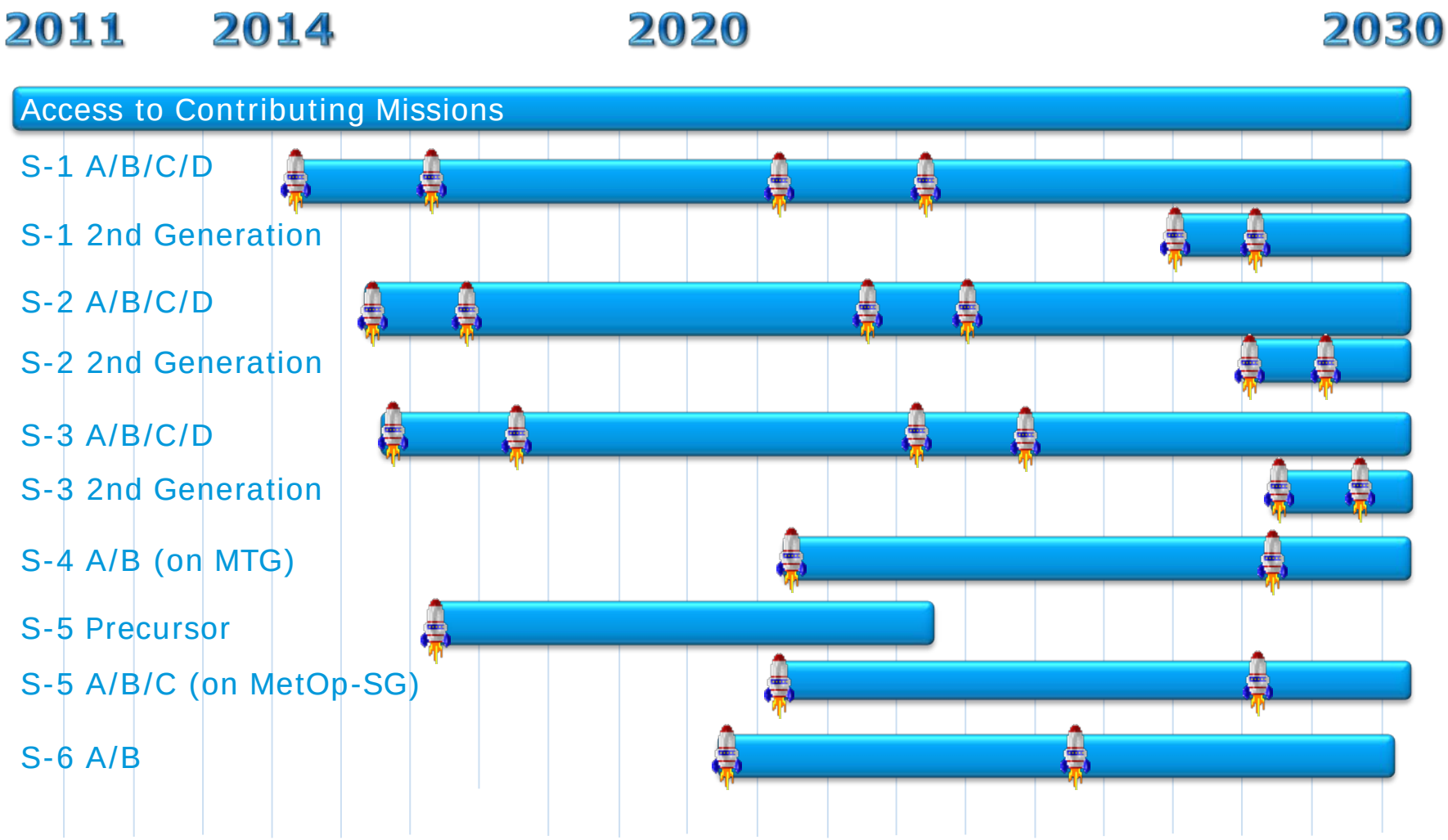
- 3 April 2014
- Kourou spaceport
- Soyuz-2 rocket
- New era of Earth observation

… and Sentinel-2 on its way

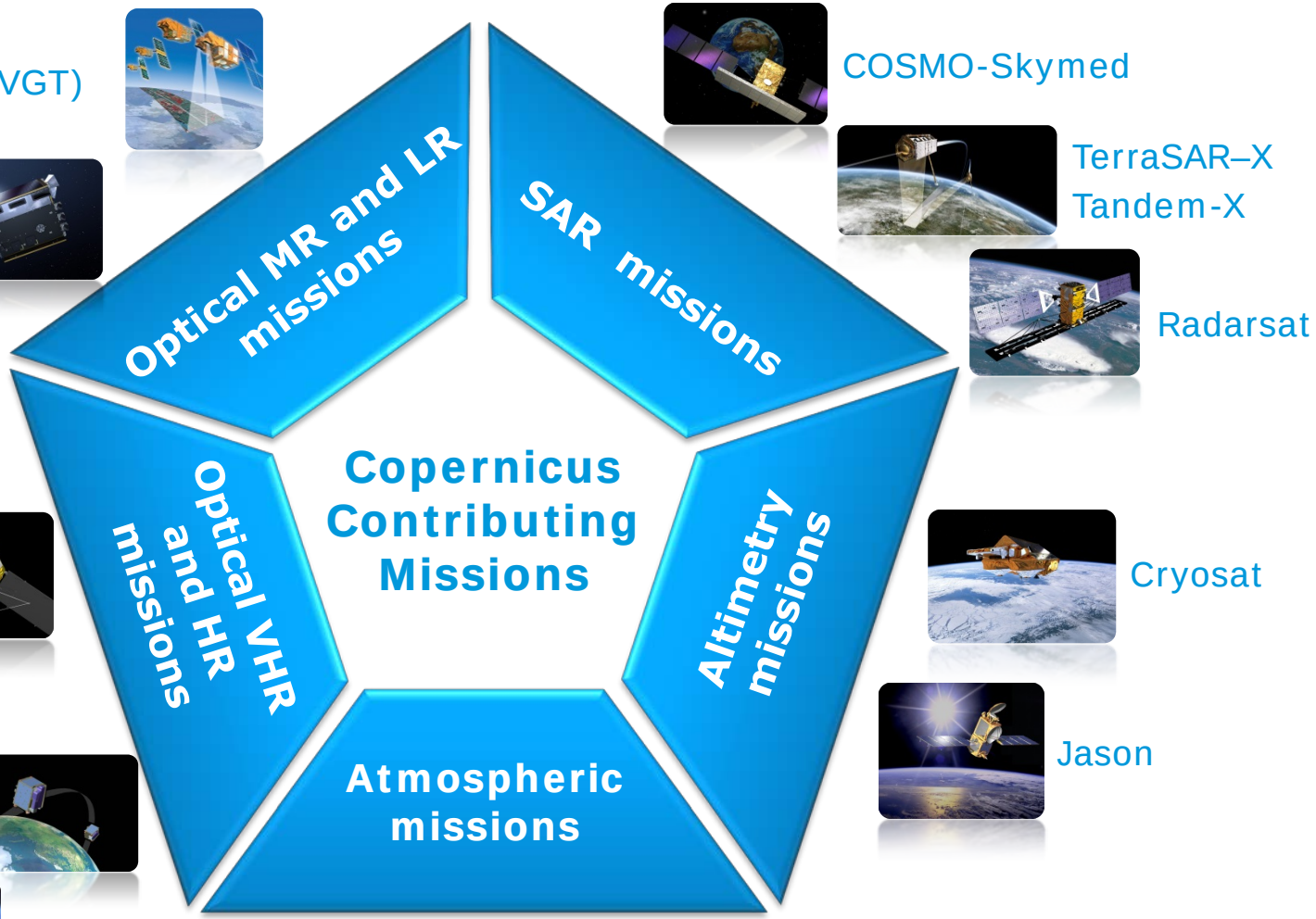


- To be launched in June 2015
- Land coverage: -56º to +83º lat
- 13 spectral bands
- Data spatial res: 10, 20 and 60 m
- 5 days revisit time (with 2 sat)

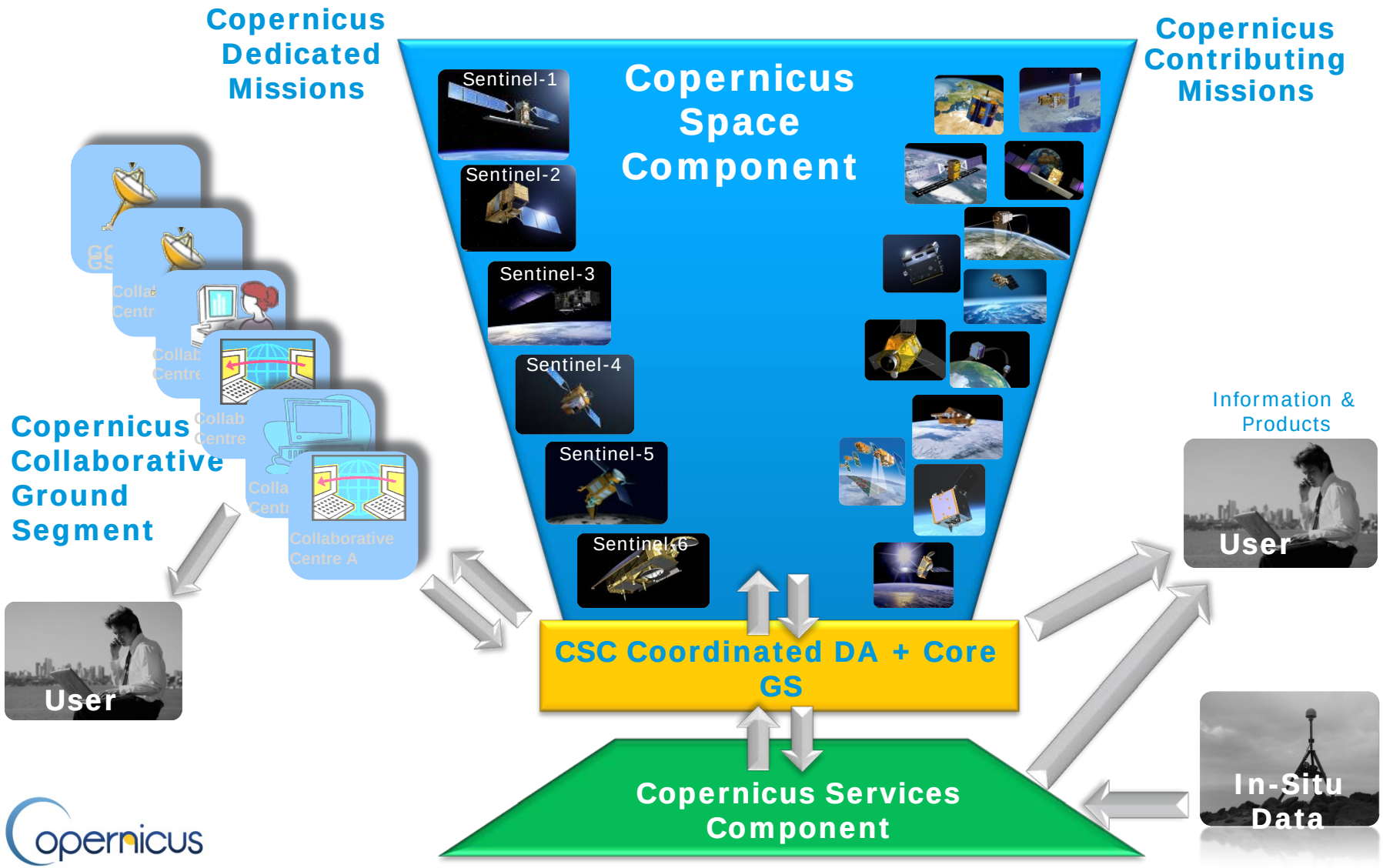
… with a long-term operational perspective



Copernicus Contributing Missions



Copernicus Space Component: the Ground Segment …



Sentinels Data Access

Copernicus Space Component
Data Access Portal

sentinel.esa.int

- Copernicus Services Access
- Scientific / Other Access Hub
- Collaborative Access Hub
- International Agreements Access Hub

EC Delegated Regulation on Data and Information Policy

It entered into force in December 2013 after several months of negotiation.

This Regulation is in line and reinforces the Sentinel Data Policy approved by ESA MSs in September 2013, which stipulates:

- ✓ **Open** access to Sentinel data by anybody and for any use
- ✓ **Free** of charge data licenses
- ✓ **Restrictions possible** due to technical limitations or security constraints.

Copernicus Contributing Missions data access will follow their owners data policies.

Copernicus Space Component: current status and way forward

- Funding of GMES/Copernicus by ESA/EU ~8 B€ since 2006
- Third development segment under way (GSC-3) – ESA funding secured at last ESA Ministerial Council in Dec ’14
- Sentinels-1, -2 and -3 operations and procurement of recurrent units C and D (First Generation) covered by current EU MFF
- Definition of Second Generation Sentinels to start in 2017, based on user requirements from the European Commission, with support from ESA
- Next launches: Sentinel 2A and 3A this year, full operational capacity with 2 units of each Sentinel 1,2,3 family in 2017

Interested In More?