

# VHR RODA

**Very High-resolution Radar & Optical Data Assessment workshop**  
**Frascati, 18 November 2019**

**Objectives and Logistic**

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# Objectives

- *First meeting of its kind in Europe → allow dialogue across commercial and public entities on data quality and cal/val topics. Identify synergies and gaps across complementary roles.*
- *Identify critical topics that will require more attention from either a research perspective or in pre-/operational service environment*
- *Provide inputs for CEOS WGCV activities.*

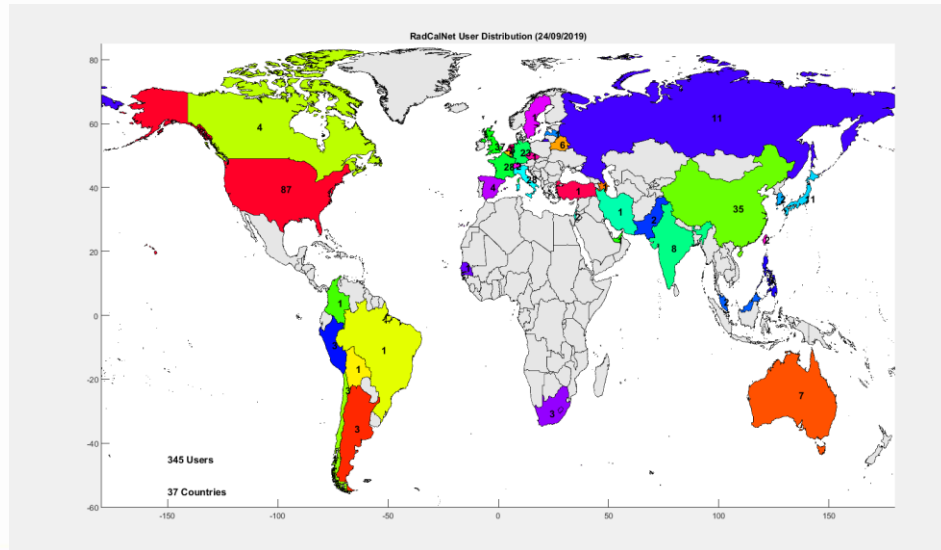
# Context

- There are a growing number of public and commercial providers of high resolution space-borne Earth Observation data. Key to using data from these new sources is a **good understanding of their characteristics**, how they are calibrated, and their quality and technical capabilities. **Interoperability** between satellites/products will allow to extend dramatically the opportunities for global applications (agriculture, water use, forest and vegetation monitoring, pollution monitoring...etc...but also for climate applications).
  - The data can be used together only if we can trust its accuracy and characterisation. Therefore harmonisation in Calibration and Validation approaches are fundamental.
- ***Global Earth Observation System of System can work if Quality Standard and Reference are put in place (otherwise it will be a cacophony generating more noise than information).***
- This event is planned as a **technical forum** for discussing remote sensing systems and the data quality, calibration and product validation challenges they face. It will also provide an opportunity for face-to-face knowledge exchange among highly specialised entities, ranging from satellite operators to instrument technical teams and product validation institutions.

❖ Evolution of the number of users

	Public users	Beta users	RadCalNet working Group
Before the opening	126	20	17
Between 24/07/2018 to 07/09/2018	32		
Between 08/09/2018 to 20/01/2019	45		
Between 21/01/2019 to 20/05/2019	52		
Between 21/05/2019 to 24/09/2019	53		
Total	308	20	17

❖ Total is 345



# Organisation

The workshop is organised in collaboration with CEOS WGCV SAR subgroup.

The plenary is in **BIG HALL** (this room) on Monday PM, Tuesday AM and Friday AM

The **Optical sensor Technical session** is in **BIG HALL**

In Parallel, the **SAR technical session** (CEOSWGCV SAR) is in **MAGELLAN**

Agenda is online

<https://earth.esa.int/web/sppa/meetings-workshops/hosted-and-co-sponsored-meetings/vh-roda/agenda>

2 chairs per session. Chairs make sure that the presenters are present, presentations uploaded,

**keep time**

**5 minutes Report** from the sessions will be given by the chairs on Friday AM

It will be followed by a discussion with a Panel

→ Cal/Val Best Practises and common References: towards harmonised approaches for New Space and Institutions

The workshop will end Friday at 13:00

## The VH-RODA & CEOS WGCV SAR Team



*Philippe Goryl, Giuseppe Ottavianelli, Dirk Geudter, Nuno Miranda, Valentina Boccia,  
Clément Albinet*



*Bruce Chapman*



*Alessandro Piro*

## VH-RODA Scientific Committee



*Philippe Goryl*



*Rosa Loizzo*



*Patrice Henry*



*Nigel Fox*



**DLR**  
*Albrecht von-Bargen*

## CEOS WGCV SAR Scientific committee

**Participation: 240 registration online**





# Organisation

Daily Bus Service Frascati/ESRIN

Lunch Break each day at 13:00 – 14:00 at the ESRIN Canteen (cash only)

Icebreaker this evening

Coffee, tea and water will be available at the break in the Big Hall or in the room James Cook (just outside the Magellan Room), according to the session you are attending.

Taxi: Should you require a taxi please contact the Registration Desk.

# Organisation

Staff support for any questions/help and to support chairs of sessions



Clément  
Albinet



Valentina  
Boccia



Silvia  
Scifoni



Fabrizio  
Niro



Georgia  
Doxani



Rosalia  
Fonseca



Alessandro  
Piro



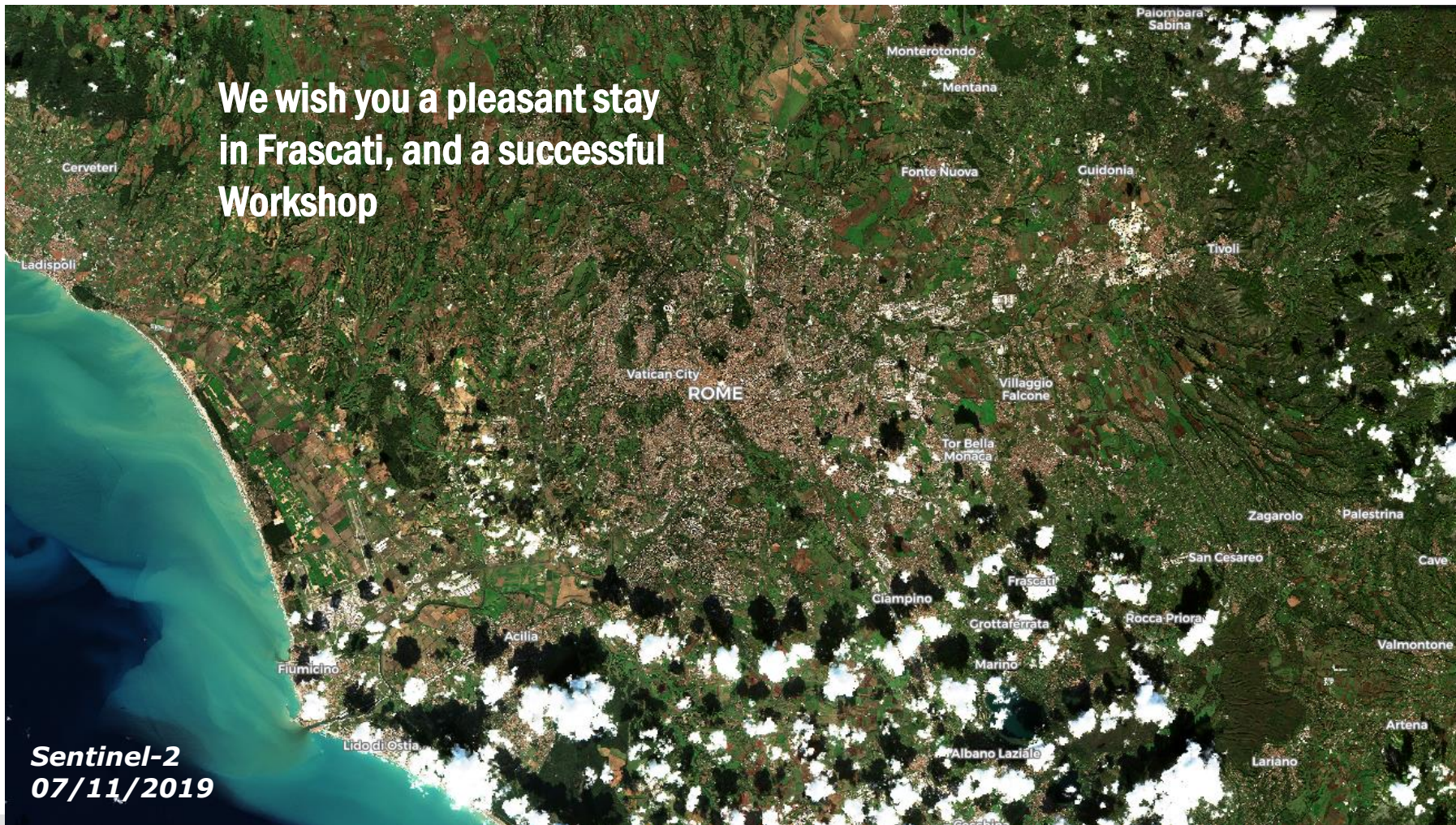
Britta  
Themann



Nuno  
Miranda



We wish you a pleasant stay  
in Frascati, and a successful  
Workshop



**Sentinel-2**  
**07/11/2019**



# ...Weather planned....

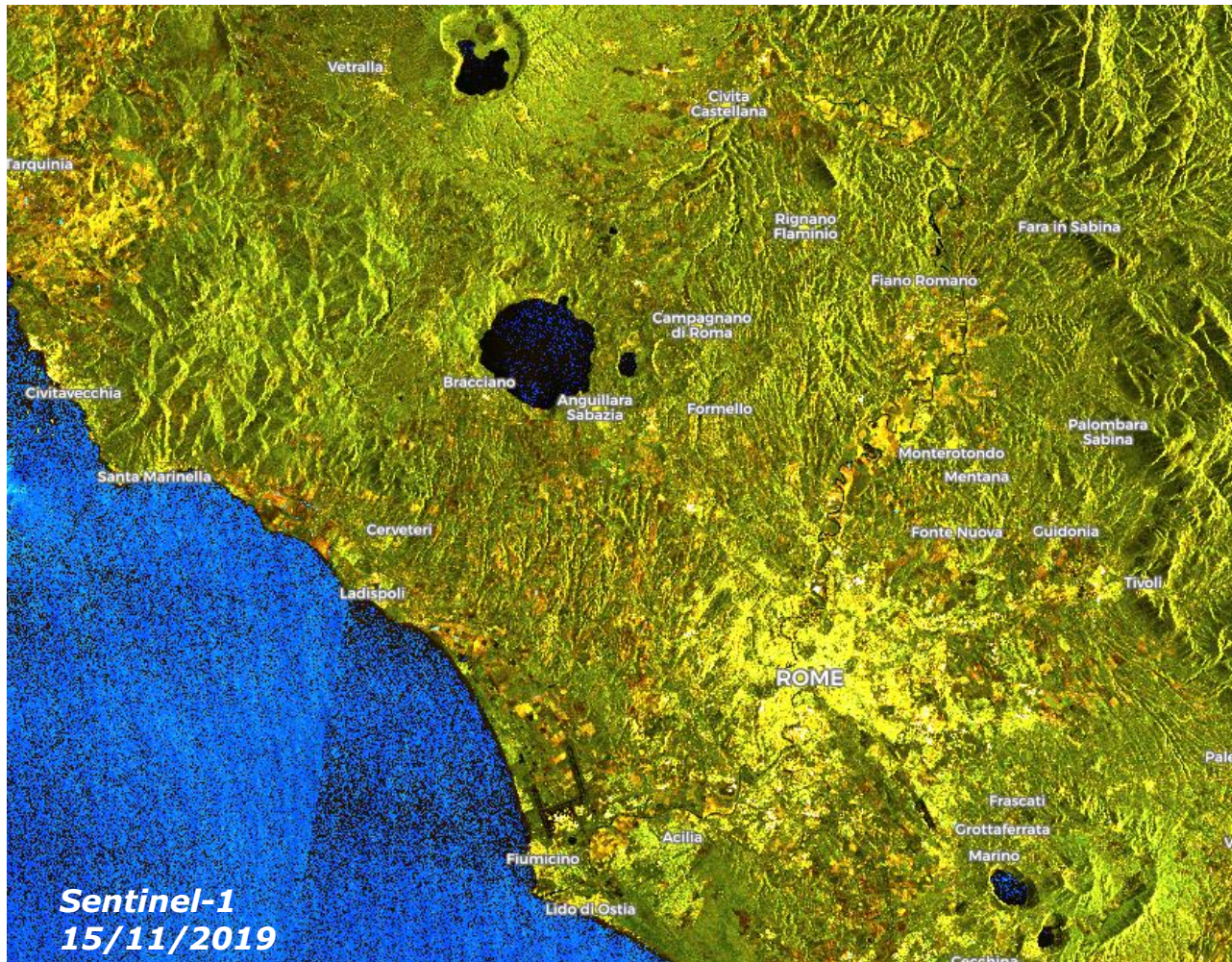


**Sentinel-2**  
**14/11/2019**





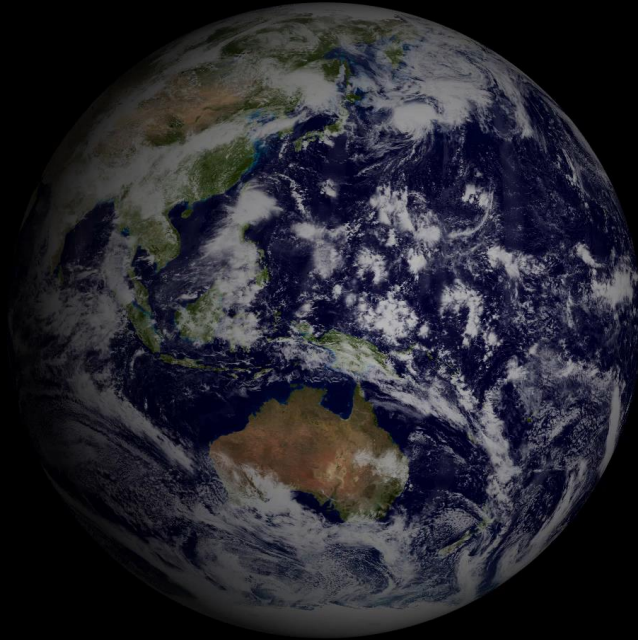
...Sun will be back....



# ESA EO



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pleasant stay in  
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## Taking the Pulse of our Planet

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European Space Agency