

# Supporting Very High Resolution Radar and Optical Data

## VH-RODA 2023 Workshop



**EARTHNET**

### What

**VH-RODA** - or the **Very High Resolution Radar & Optical Data Assessment workshop** - is an open forum, where emerging and established Earth observation (EO) companies, space institutes and researchers gather to present and discuss the latest developments in the fields of data quality, Calibration and Validation (Cal/Val) of synthetic aperture radar (SAR) and optical space-borne data



### Objectives

The main focus of the workshop is to provide updates on the current status and future developments of EO data quality, Cal/Val of space-borne very high-resolution SAR and optical constellations, sensors and data products.

Aims of the workshop include:

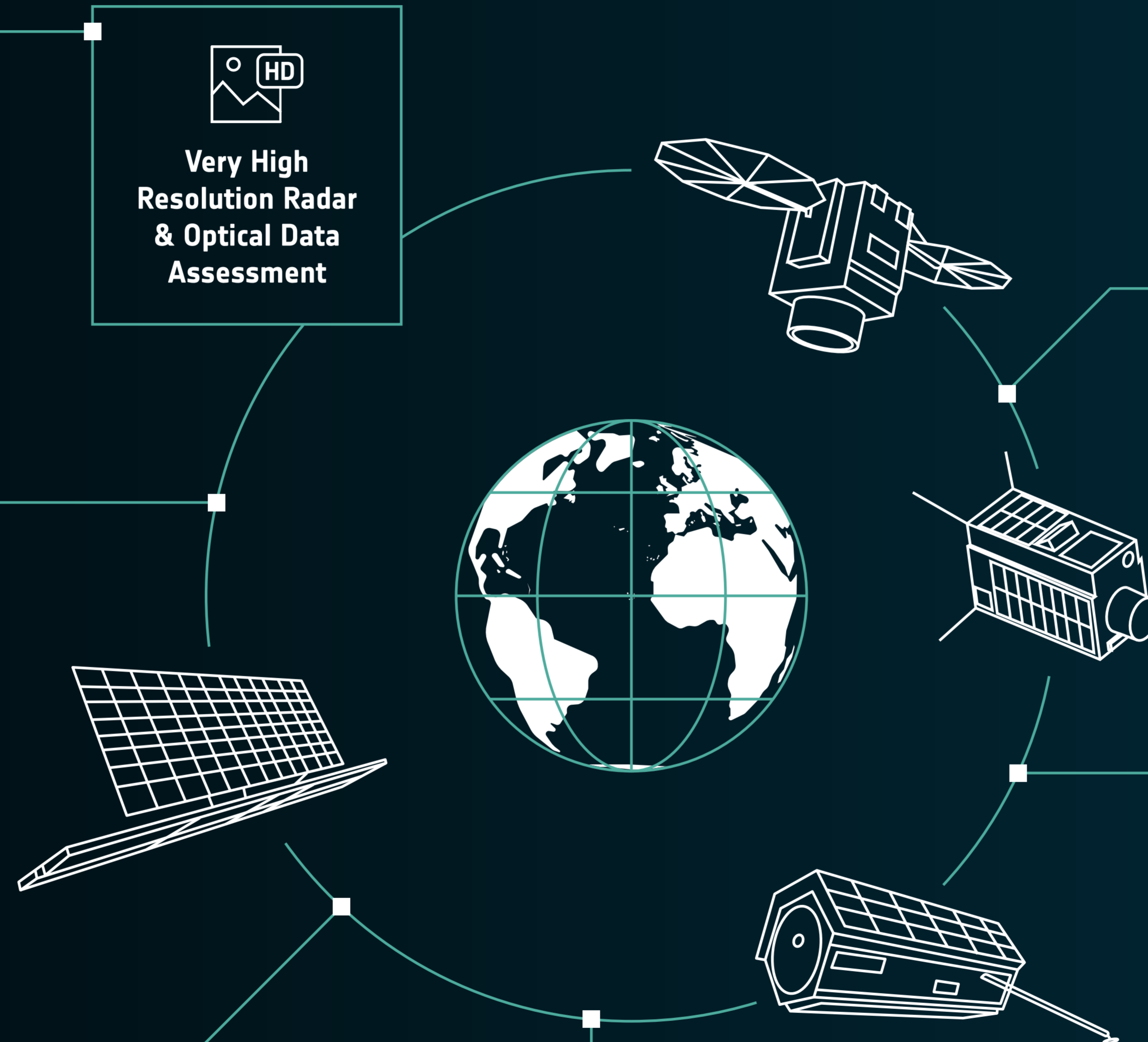
- **Discussing present standards and best practices for data quality**
- **Driving innovation within the Cal/Val and data quality domains**

### Who

The workshop will gather together:



- **New space entities, including Third Party Missions and Copernicus Contributing Missions**
- **Space agencies**
- **The scientific community**



### When



**4<sup>th</sup> edition**

The workshop will take place in ESA-ESRIN, Frascati (Italy)

### Topics

- **Calibration techniques, covering requirements, definitions, databases and methodologies**
- **Calibration sites, covering cross-Cal/Val, intercalibration and field campaigns**
- **Fiducial reference measurements**
- **Analysis ready data and digital elevation models**
- **Quality control, best practices and product validation**
- **Processing and algorithms, including artificial intelligence for Cal/Val**
- **Cal/Val and data quality for constellations and big data**
- **Calibration of future missions, focusing on innovative instrument concepts**

### Registration

Registration for the event is open until 13 November [here](#)