







## **WP9**

Coordinator
Vincenzo Romano
Advisor
CTS COS

## Platform for Earth Observation from Space

Assigned Budget: 3.58 M€



WP9 aims to realize a common platform of data and products of Earth observation from space, an important and challenging effort in one of the most promising scientific disciplines for hazard assessment and mitigation.









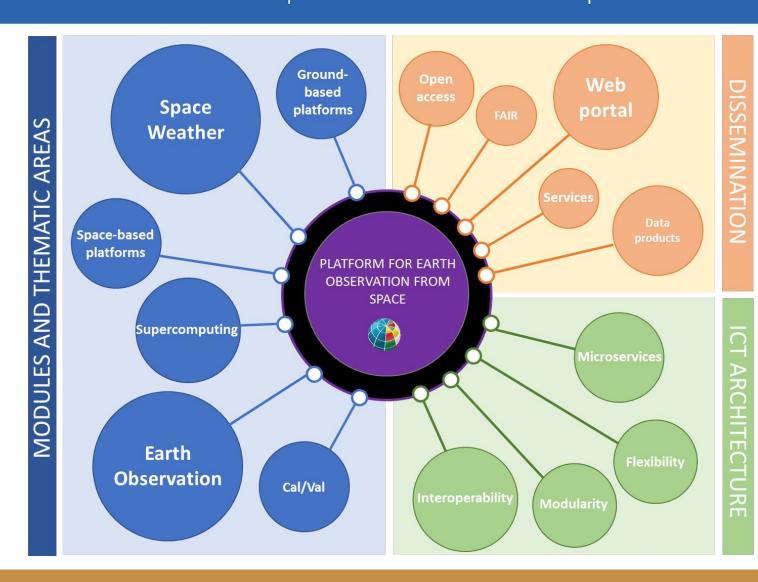
Activity 9.1 - Strengthening of observational and ICT infrastructures M. Musacchio (INGV)						
Activity 9.2 - Platform design & development C. Marcocci (INGV)						
Activity 9.3	Activity 9.4	Activity 9.5	Activity 9.6			
Space geodesy and SAR products	Optical products	Space Weather and LAIC products	Calibration and validation products			
M. Manunta (CNR)	G. Ganci (INGV)	C. Scotto (INGV)	E. Marotta (INGV)			
Activity 9.7 - Training and Higher Educations C. Cesaroni (INGV)						





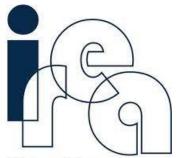












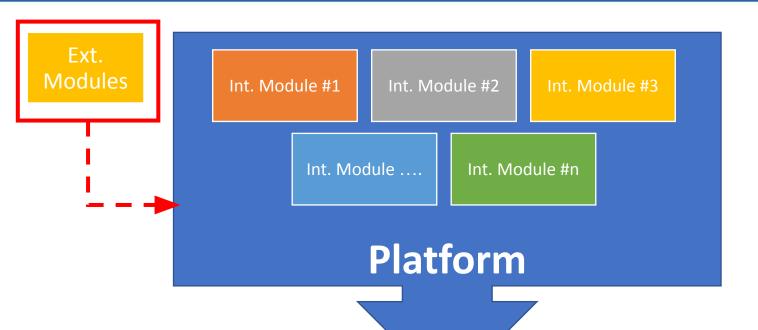
istituto per il rilevamento elettromagnetico dell'ambiente











products/services toward MEET community

products/services toward the citizen

Higher education and Training

**External Modules (and sub modules)** provide products/services to the Platform by using their own resources enlarging the capability of the platform in furnishing products toward the user community

Internal Modules (and sub modules) generate and provide products/services to the user community by using shared resources ensuring the capability of the platform in furnishing products

Modules for Space geodesy and SAR products

Modules for Optical products

Modules for Space Weather products and LAIC

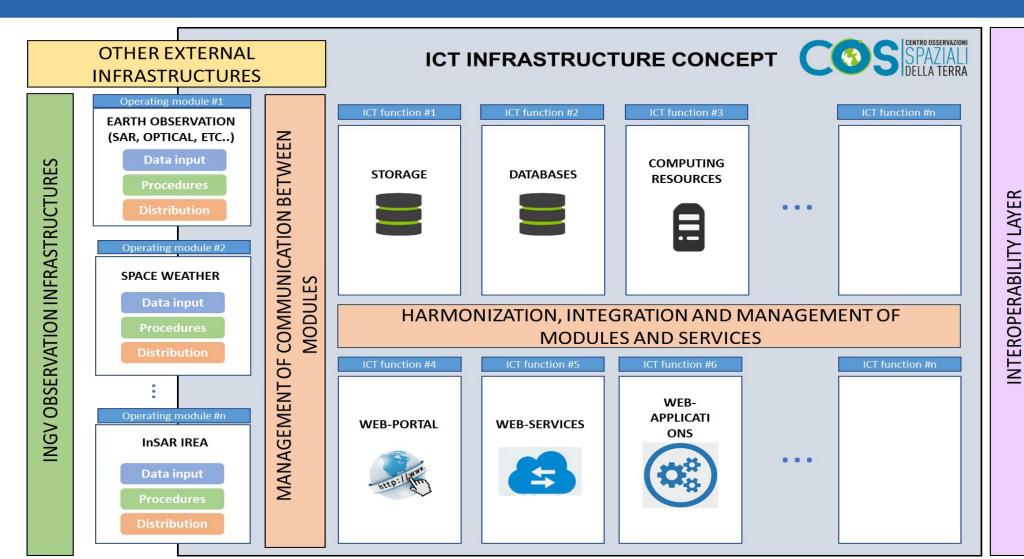
Module for Calibration and Validation products











**EPOS ERIC** 

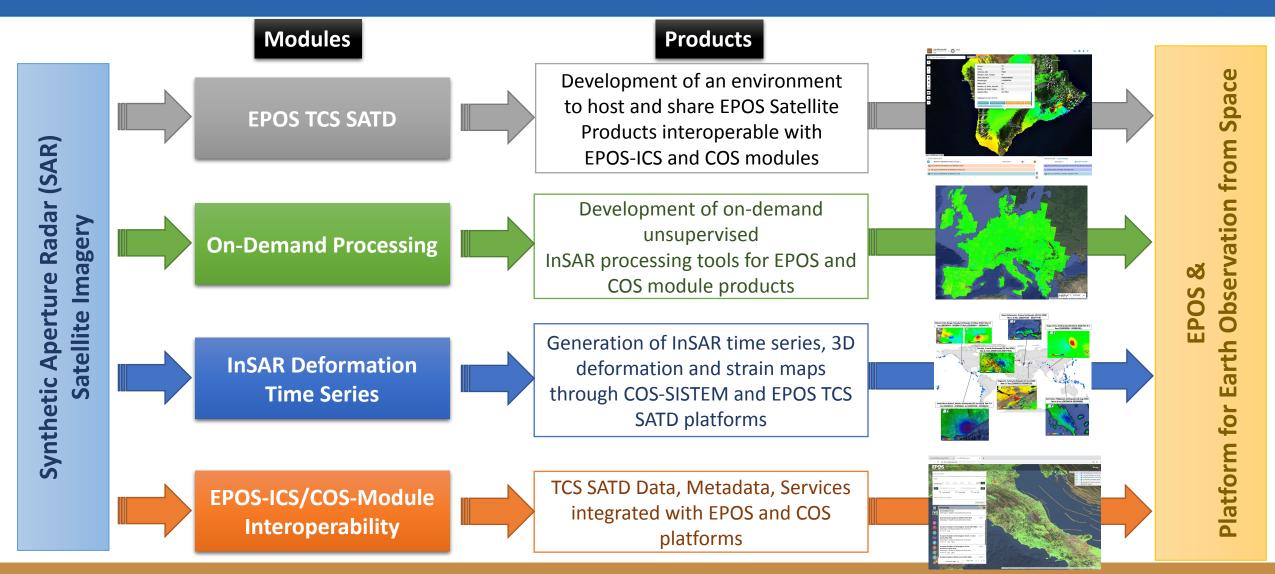
**GEOPORTAL PNRR RI** 









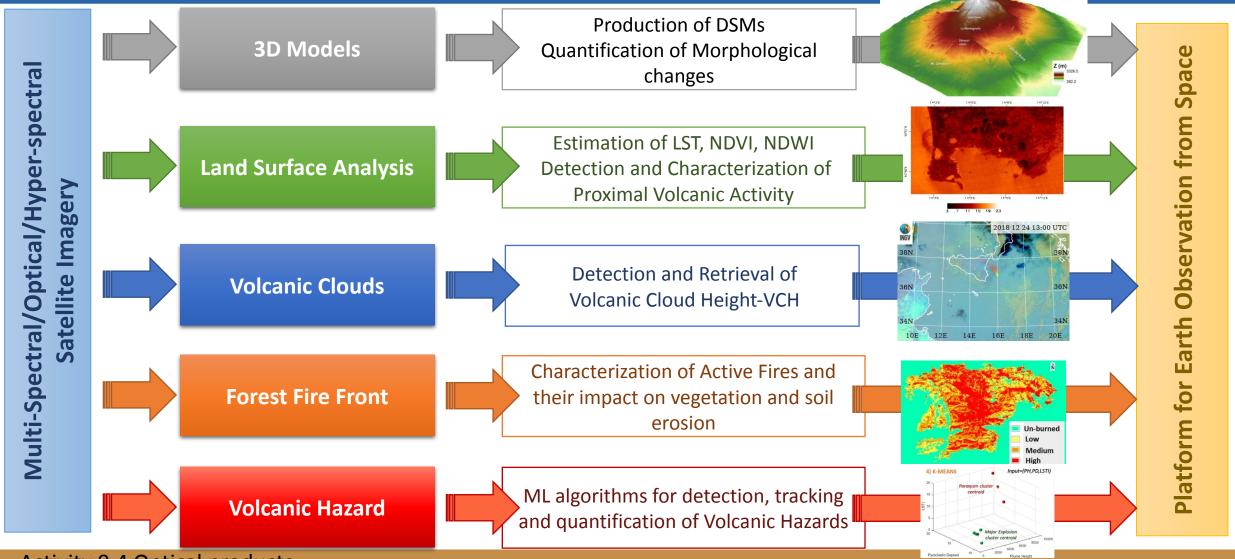










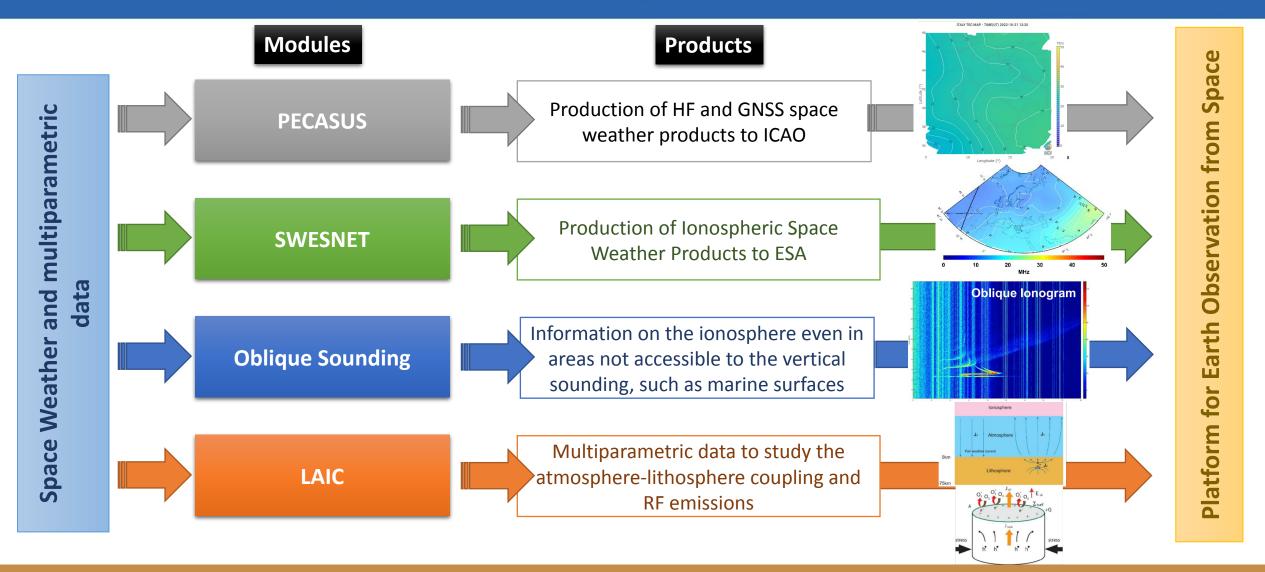














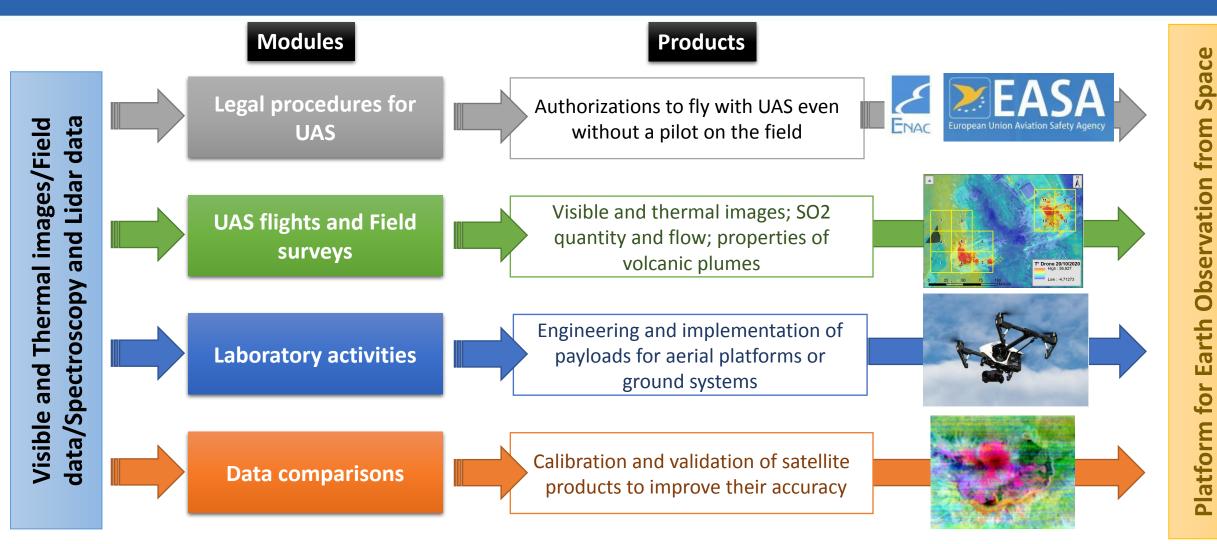




Space

from

Earth











Capacity Building Workshops

Master in collaboration with Italian university

Training for professional stakeholders

October 2023 @ Broglio Space Center, Malindi, Kenya	May 2023, INGV, Rome, Italy	September 2023, Catania, Italy	September 2023, L'Aquila, Italy
Capacity Building Workshop on Space Weather and Low-latitude Ionopshere	Mathematics for Signal processing and Applications in Geophysics and other fields	International Training School on Convective and Volcanic Clouds detection, monitoring and modelling	International School of Space Science on «Operational Space Weather Fundamentals»
NORISK NEW OBSERVATION FOR REAL-TIME OVER KENYA  NORISK NEW OBSERVATION International Centre for Theoretical Physics	UNIVERSITÀ DEGLI STUDI DELL'AQUILA DI GEOFISICA E VULCANOLOGII.	International Training School on CONVECTIVE AND VOLCANIC CLOUDS (CVC) detection, monitoring and modelling	International School  Space Science  Consorzio Interuniversitario per la Fisica Spaziale





Item	Description	Amount (K€)
Personnel	5 Research Technologists - 1 Technician	648
Instrumentation	ICT instrumentation and observational strengthen	1.540
FAIR and Open Access	Services for Open Access and FAIR application	915
Training	Schools, Workshop and Master	244
Indirect cost		234
	Total	3.582









## **Current activities**

- Participation to the Expoforum «New Space Economy» at Fiera di Roma 1-3 December
- Collaboration with the PNRR PhD program «Corso di Dottorato Nazionale in Space Science and Technology» - a.y. 2022/2023
- Collaboration with:
  - PNRR "Partenariato Esteso Spazio",
  - PNRR "Centro Nazionale di Ricerca in High Performing Computing",
  - PNRR "Geosciences IR",
  - "Azione di Accompagnamento for IRIDE Constellation"
  - National and international organization (ASI, ENAV, CIRA, ESA, NASA, UN, COSPAR, URSI,...
- Participation to the Copernicus Italian User Forum
- Starting of critical procurement