



Committee on Earth Observation Satellites

## WGDisasters Activity Title

ASI Updates

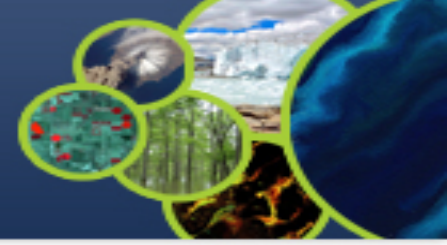
A. Montuori, S. Zoffoli

WGDisasters-17 Meeting

Virtual Meeting

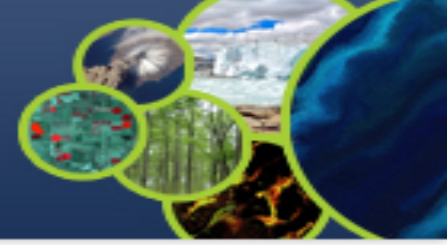
15 – 17 March 2022



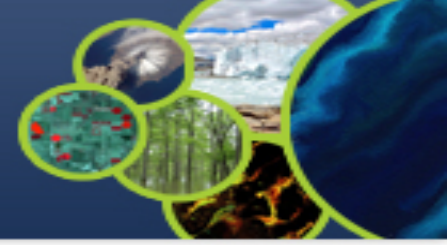


- **COSMO-SkyMed Second Generation (CSG)**
  - **CSG-1 is operating nominally:** Now, on the same orbit, 4 CSK + 1 CSG + [2 SAOCOM (CONAE)]
  - **CSG-2 was launched on 31 Jan 2022:** operative approximatively from may 2022.
  - **CSG mission will be upgraded with third and fourth satellites CSG-3/4 (work in progress)**
- **A new “Open Call for Science” on the use of CSK and CSG data is available on the ASI website:** [https://www.asi.it/bandi\\_e\\_concorsi/open-call-for-science-data-utilization-of-the-cosmo-skymed-mission-first-and-second-generation-english-version/](https://www.asi.it/bandi_e_concorsi/open-call-for-science-data-utilization-of-the-cosmo-skymed-mission-first-and-second-generation-english-version/)
- **PRISMA is operating nominally.** Data are available for request at: <https://prisma.asi.it/>.
- **Since 20 July 2021, ASI has been started the provision of SAOCOM data within the ASI Zone of Exclusivity (ZoE):** <https://www.asi.it/en/2021/07/asi-starts-the-exploitation-phase-of-data-acquired-in-europe-by-the-l-band-sar-sensors-of-the-argentinean-saocom-constellation/>

**COSMO-SkyMed, CSG, PRISMA and SAOCOM (on ASI ZoE) data are available to support CEOS WG Disasters initiatives**



- **Continuous support to CEOS WG Disasters initiatives:** starting from WGD 16 meeting, a further interaction with e-GEOS company is in place to support Honduras RO IOTA Activation for CSK/S1 data processing.
- ASI is starting **new initiatives at national level**, to promote **EO data exploitation for climate change and extreme hazards impacts, sustainable cities, precision farming and infrastructure monitoring**.
- **Special Issue on Remote Sensing Journal** “Space-Borne Earth Observation Data for Monitoring Natural and Anthropogenic Phenomena” - Guest Editors: A. Montuori, M. Polcari, L. Anderlini.  
[https://www.mdpi.com/journal/remotesensing/special\\_issues/Natural\\_Anthropogenic\\_RS](https://www.mdpi.com/journal/remotesensing/special_issues/Natural_Anthropogenic_RS)  
**Deadline for paper submission: Dec 31<sup>st</sup> 2022**
- **Session NH6.3 to EGU-2022 (Vienna, 23-27 May 2022)** «Application of remote sensing and Earth-observation data in natural hazard and risk studies» (Conveners: A. Montuori, K.J. Chang, S. Cucchiaro, M. Niculita, M. Parks). <https://meetingorganizer.copernicus.org/EGU22/session/43346>



- **ESA LPS (23-27 May 2022)**

- B6.04 «PRISMA Hyperspectral mission: characteristics, achievements and data exploitation»

Conveners: Giorgio Licciardi, Ettore Lopinto (ASI)

- A3.11 “Land Surface Temperature and Emissivity Data for Research and Applications”

Conveners: Simon Hook (NASA/JPL), Benjamin Koetz (ESA), Phillipe Gamet (CNES), Fabrizia Buongiorno (INGV)

- **IGARSS 2022 (Kuala Lumpur, Malaysia, 17-22 July 2022)**

- I.46: «Multi-frequency SAR algorithms for scientific downstream applications (Part 1 & Part 2)»

Conveners: Deodato Tapete, Antonio Montuori (ASI)

- I.65: «Remote Sensing for the Sustainable Development Goals: the contribution of the COSMO-SkyMed Italian Mission in the framework of the ASI’s Open Call initiative (Part 1 & Part 2)»

Conveners: Maria Libera Battagliere, Deodato Tapete (ASI)