



Committee on Earth Observation Satellites

WGDisasters Activity Title

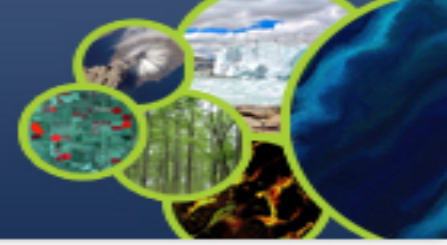
ASI Updates

T. Deodato, A. Montuori, S. Zoffoli

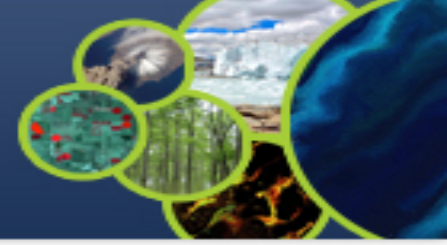
WGDisasters-18 Meeting

Nice, France, 4 – 7 September 2022

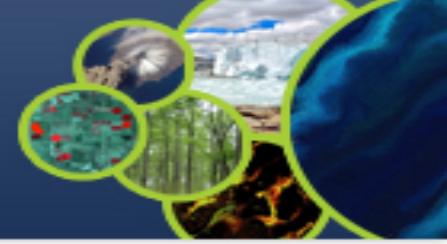




- **COSMO-SkyMed Second Generation (CSG)**
 - **CSG-1 is operating nominally:** Now, on the same orbit, 3 CSK (CSK-3 in deorbiting phase) + 1 CSG
 - **CSG-2 is operational** (official communication will be provided soon).
 - **CSG mission will be upgraded with third and fourth satellites CSG-3/4 (work 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/
- **PRISMA is operating nominally.** Data are available for request at: <https://prisma.asi.it/>.
- **PRISMA SG: Phase A activity is on-going.**
- **Since 20 July 2021, ASI has been started the provision of SAOCOM data within the ASI 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/>



- **Continuous support to CEOS WG Disasters initiatives:** availability of COSMO-SkyMed, CSG, PRISMA and SAOCOM (on ASI ZoE) data.
- At national level, starting from 2021, ASI has promoted and funded initiatives for the **exploitation of EO data (SAR and hyperspectral ones)** as well as for the development / assessment / validation of data processing methodologies and products to be used in different areas of **Earth Sciences**.
- ASI is starting **new initiatives at national level** called “**Innovation for Downstream Preparation (I4DP)**”, to promote **EO data exploitation for various applications** – first calls were focused on **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
Deadline for paper submission: Dec 31st 2022



- **Earth Technology Expo (Florence, Italy, 5-8 Oct 2022: <https://www.etexpo.it/it/visita/programma-earth-technology-expo-2022>)** : ASI will hold a Technological Atelier focused on «Land Management» with several technical contributions demonstrating product prototypes & exploitation platforms to support the management of Natural Hazards and processes (*ASI PoC: D. Tapete*) – *event live-streamed – opportunity for whom is interested to follow for free.*
- **EGU 2023 (Wien, 23-28 April 2023): Session proposal** «Application of remote sensing and Earth-observation data in natural hazard and risk studies» (Conveners: A. Montuori, E. Straffellini, M. Niculita, M. Parks) (*in preparation*)
- **IGARSS 2023 (Pasadena, California, 17-22 July 2022)**
 - «Multi-frequency SAR algorithms for scientific downstream applications» (*in preparation*)
Conveners: Deodato Tapete, Antonio Montuori (ASI)