

# **Access, use and data exploitation of the COSMO-SkyMed System**

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## **Abstract**

Access, use and data exploitation of the COSMO-SkyMed Mission are ruled by specific regulation elaborated by ASI (Agenzia Spaziale Italiana/Italian Space Agency) with the Minister of Defence (MoD).

The Access of the System is lead separately for the institutional and commercial users. The first ones can access the System via the website: <http://www.cosmo-skymed.it> where the users can register themselves and, after the accreditation as institutional users, they can require new order or products from the catalogue directly via web. The second ones can access the System contacting the website of e-GEOS (the commercial provider) at <http://www.e-geos.it>.

The use of the System is ruled by specific agreements/contracts/licences of data utilisation to be stipulated with the users, each one of them shall be addressed to the specific user (i.e.: scientific users, national users, international users).

The data exploitation of the COSMO-SkyMed Mission allows the users to utilise innovative high resolution X-band data generated by the first European civilian radar constellation.

For the scientific community the main project dedicated to the exploitation of the COSMO-SkyMed data is the Announcement of Opportunity. The projects selected in the first COSMO-SkyMed AO are oriented towards the following main thematic areas: land use/cover mapping, ocean and ice, landslide, hydrology, floods, coastal processes, seismology, topographic mapping. The first COSMO-SkyMed AO for the scientific data exploitation gives the chance to achieve innovative and valuable results using the COSMO-SkyMed data, products and services.

ASI is conducting 6 pilot projects exploiting the COSMO-SkyMed data focused on: volcanic risk (SRV), seismic risk (SIGRIS), precipitation and soil analyses (PROSA), flooding (OPERA), landslide (MORFEO) and oil spill (PRIMI).