



Objectives of the survey



































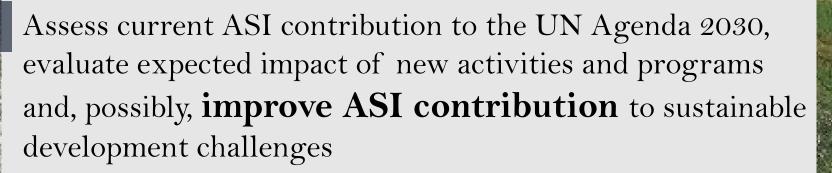




Activity and scope

Survey of all ASI activities and programs indicated within the latest ASI Triannual plan of activities 2018-2020, to highlight their possible contribution to the SDGs

Objective



Recipients

ASI Management and employees



Preliminary results













































COSMO-SkyMed for the SDGs





















- Provision of COSMO-SkyMed data to countries affected by major disasters
- COSMO-SkyMed data for the EU Copernicus program
- COSMO-SkyMed data for CEOS and for its Recovery Observatory project
- COSMO-SkyMed data for national and European institutions fighting against illegal activities and the organized crime





COSMO-SkyMed data for the scientific community

CSK data provided to national and international scientific institutions through public "Open Calls" (goal 9, target 5)



Examples of on-going projects





14 LIFE BELOW WATER

- Provision of COSMO-SkyMed data to the Addis Ababa University, IGSSA (Ethiopia) to investigate dyke propagation along rift axis of divergent plates (goal 11, targets 5 and b)
- Provision of COSMO-SkyMed data to the Indian Institute of Technology of Delhi (India) for the estimation of snow and glacier melt runoff in Beas River Basin (goal 13, target b)
- Provision of COSMO-SkyMed data to Naples University for marine debris monitoring (goal 14, target 1)



PRISMA for the SDGs



















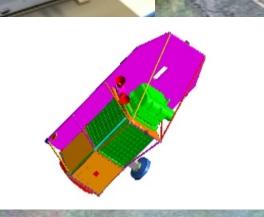




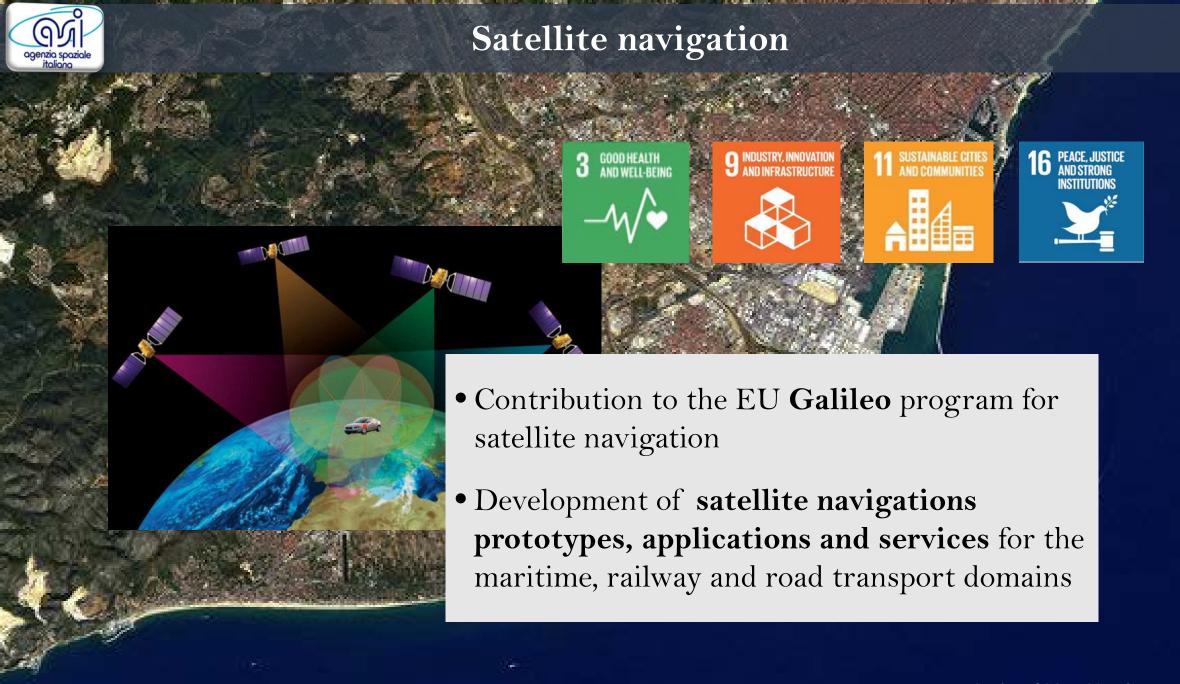
Hyperspectral technology

ASI mission for EO equipped with innovative electro-optical instrumentation capable of identify the chemical and physical characteristics of the Earth surface

Launch in 2018









SIGMA/URBIS















Satellite telecommunications

UltRa-Broadband Italian Satellite (SIGMA/URBIS)

to end the digital divide in Italy by proving ultrabroadband connection on the entire national territory



Robotic and human space exploration for the SDGs













ExoMars 2020 mission



Italian contribution

- Ma_MISS (Mars Multispectral Imager for Subsurface Studies) within the ExoMars 2020 rover drill, to select subsoil samples
- MicroMED instrument within the Mars 2020 mission Dust payload, to study Mars dust and associated electromagnetic fields



IBIS

GENERA MANAGEMENT OF THE MANAG

Human space exploration

Italian Bio-regenerative Systems (IBIS) working group, for the study and development of closed bio-regenerative systems, which includes technologies for atmosphere revitalization, food production, water recycling, and organic waste recycling















ASI for capacity building

• ASI and Italy

- o ASI scholarships for Italian students and researchers
- o Training programs
- o Italian Master course in space institutions and policy

• ASI and Argentina

- O Support to the establishment and development of the Gulich Institute
- o Scholarships for the MAIE Master Degree
- o Provision of ASI experts

• ASI and Kenya

- Annual scholarships for students and professionals
- O Support to the joint International Post-Graduate Course in Space Mission Design and Management
- o Support to joint Italian-Kenyan research projects

• ASI and Mexico

Joint research projects





Open Universe initiative





International Space Forum (ISF) at ministerial level initiative





International Centre for Space Education in Africa at the BSC

Mission

Prepare African students and trainee to become Africa's space leaders and foster regional and international cooperation

- Addressed to all African countries
- Open to collaborations with international partners
- First space workshop by the end of 2018









61st Session of COPUOS - Vienna, 26 June 2018

