



Access to Space for All: the Key Role of Capacity Building



Nunzia Paradiso
Italian Space Agency (ASI)



Capacity building in space disciplines

- ❖ To fill in the gap between space technology and the needs that it can address
- ❖ To better understand the benefits deriving from space technology
- ❖ To contribute to the search for indigenous and longer-lasting space-related solutions to several sustainable development challenges
- ❖ To address STEM disciplines and contribute to the development of a scientific culture



Capacity building in the UN Agenda 2030 and the Space2030 Agenda

- ✓ UN Space 2030 Agenda for sustainable development
 - ❖ **Capacity building**, a major component
- ✓ Process towards a **Space2030 Agenda**
 - ❖ **Capacity building** among the 7 thematic priorities of UNISPACE+50
 - ❖ UN GA mandate to COPUOS stresses the importance of **capacity building**



Capacity building in ASI's international relations

- ❖ *key to ensure mutually beneficial and long-lasting relations, based on trust and friendship*
- ❖ *to allow the national scientific and industrial communities to maintain and improve their competencies and capacities*



ASI Open Calls



COSMO-SkyMed Open Call

- ❖ To promote basic and applied research through the **provision of data obtained from the Italian radar satellite constellation COSMO-SkyMed**
- ❖ Addressed to national and **international scientific communities**.
- ❖ **No expiry date so far.**
- ❖ **100 images per project, free of charge**
- ❖ https://www.asi.it/bandi_e_concorsi/cosmo-skymed-constellation-data-utilization/

COSMO-SkyMed Constellation Open Call for Science

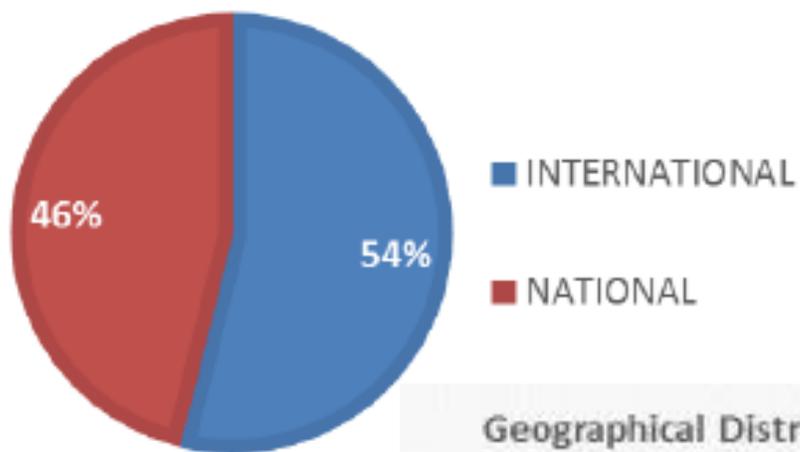
Italian Space Agency



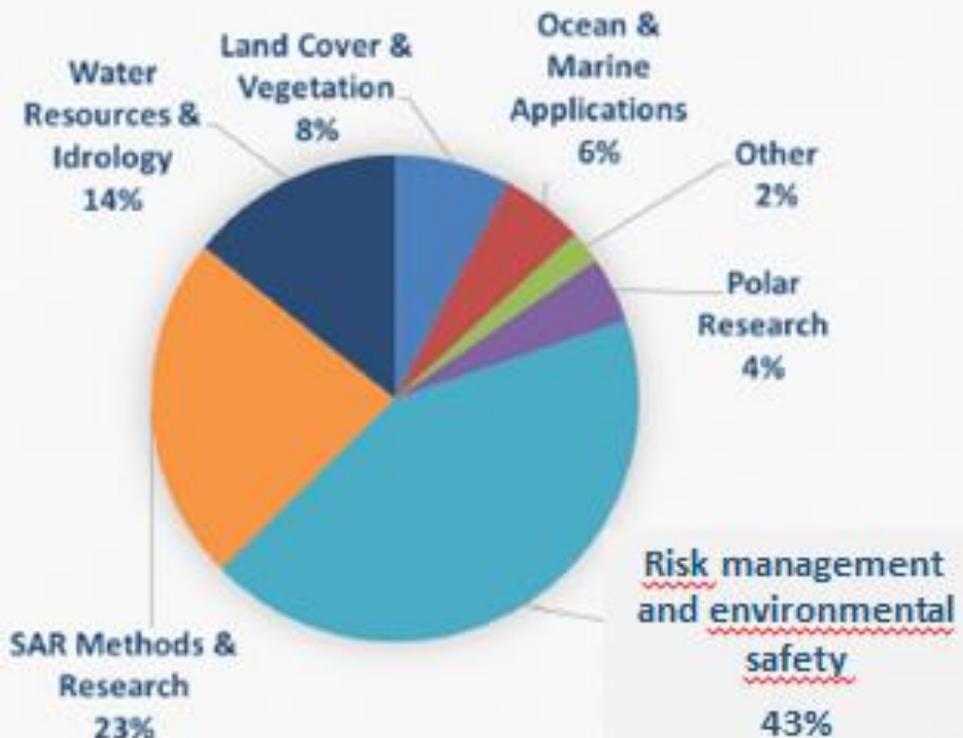
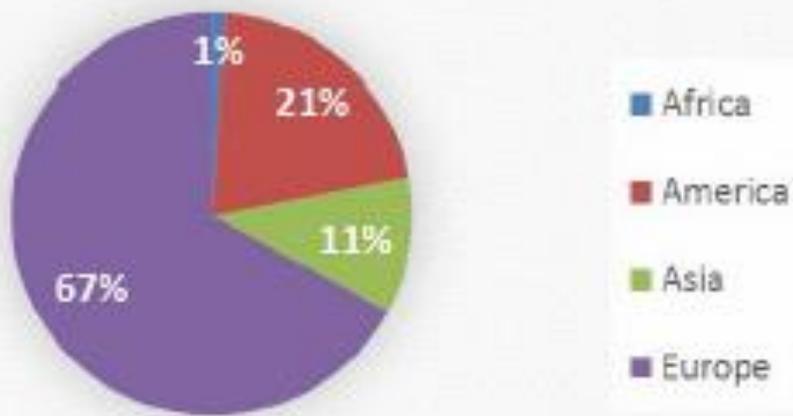
February, 2015



PI'S NATIONALITY



Geographical Distribution of Principal Investigators' Nationality





International space Forum at Ministerial Level





Goal

A contribution to the UN 2030 Agenda for sustainable development.

Increase the participation of academic and scientific institutions in space activities.

Premises

- ❖ Space activities require a high level of technical and scientific knowledge, both in terms of infrastructure manufacturing and applications.
- ❖ Scientific and academic institutions possess an immense reservoir of knowledge and human talents, as well as a widespread presence throughout the world and a strong propensity for cooperation and knowledge sharing.
- ❖ **A greater interaction between the academic world and established space actors would:**
 - ✓ facilitate the dissemination and sharing of space knowledge.
 - ✓ improve the awareness on the benefits of space technologies and applications.
 - ✓ contribute to the search for better space solutions to global and regional challenges.





Training Course on Remote Sensing, Space Sciences and Space Policy (Malindi, Kenya)



Broglio Space Centre (Malindi, Kenya)

- ❖ From 9 to 13 December 2019
- ❖ Organized by ASI in collaboration with KSA and with the support of the UNOOSA
- ❖ Support to **9 selected participants** coming from Cote d'Ivoire, Egypt, Ghana, Nigeria, Senegal, Seychelles, South Africa, Tunisia and Zambia + **3 Kenyan students**, for a total of 12 attendees
- ❖ Experts from ASI and Sapienza University of Rome
- ❖ Lectures, presentations and hands-on activities at the BSC



- ❖ Initiative launched by **Italy**, in collaboration with **ASI**, in **2016**
- ❖ Contribution to the **UNISPACE+50** process
- ❖ **Open Universe portal** established at the **ASI Space Science Data Centre**
www.openuniverse.asi.it



Grazie! Thank you! Merci! Gracias! 谢谢! Cnacubo! ترحمات رئيسية



www.asi.it