

UNCOPUOS - 54^o session of the Scientific and Technical Subcommittee
Vienna, February 9, 2017



INTERNATIONAL SPACE FORUM (ISF) 2016

“Space Science and Academy for Global Challenges”

October 24, 2016 – Trento (Italy)



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“Space Science and Academy for Global Challenges”



The 1st ISF was organized by the **Italian Space Agency (ASI)** in the framework of the **International Astronautical Federation (IAF)** activities and in collaboration with the **International Academy of Astronautics (IAA)**



UNITED NATIONS
Office for Outer Space Affairs

All COPUOS Members have been invited



INTERNATIONAL SPACE FORUM toward UNISPACE+50



University and Academy

Universities and Academies are distributed all-over the world and they provide the opportunity to establish a worldwide network of knowledge supporting the conception, preparation and exploitation of space activities, regardless of the geographical location



U & A have different disciplines, competences, technology development, geographic culture, connection to the society and their ability to inspire young generations which have influence and value

Ministers of Science, University, Research and Space, in particular of the developing countries, and the Heads of Space Agencies have been invited to promote Space Science and Curricula in the Universities and Academy of their countries



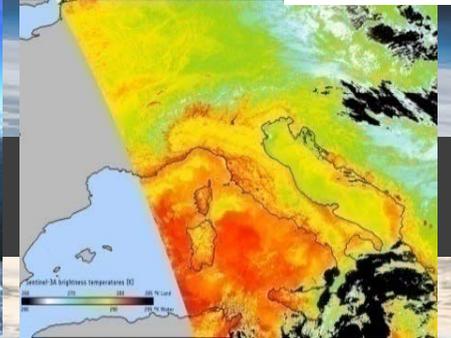
- Establish a worldwide network of knowledge and human capital by an international community of Academies and Universities
- Include University and National Academy expertise in space programs and governmental agendas
- Globally connect people using space science and research, knowledge and integrated space related applications

ISF 2016: a starting points



42 Delegations
35 Countries from Africa, Americas, Asia, and Europe
7 International Space Organizations

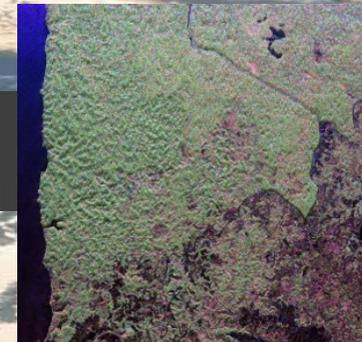
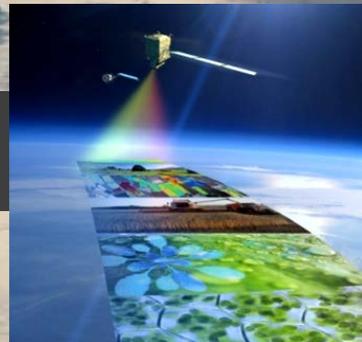
Climate Change



Big Data management



Earth protection



- Involve University and Academy in the conception, design and exploitation of Space missions and programs
- Include University and Academy expertise in the governmental agendas to contribute as key element to the global challenges
- Support the development and harmonization of Space Curricula at local, regional and international level paying the greatest attention to developing countries
- Promote open and free access to space based data and information



TRENTO SPACE STATEMENT

1st International Space Forum at Ministerial level “Space Science and Academy for global challenges”

On October 24th, 2016, for the first time Ministries of Science, University and Research, Space Authorities, Space Agencies and International Organizations representatives, senior space experts of 35 countries from Africa, Americas, Asia, and Europe met in Trento (Italy), under the auspices of the International Astronautical Federation (IAF), the International Academy of Astronautics (IAA) and the Italian Space Agency (ASI) for open and productive discussions on how Space Science and Academy can concretely contribute to the sustainability of the future space programs for peaceful purposes.

Governmental representatives and experts presented a valuable and wide range of views and experiences which include:

- that Space is not only the place beyond the earth's atmosphere, where planets, stars, and galaxies are, but also where space technology and applications pervade our daily lives;
- that Space is a global environment, able to support and find adequate solutions for global problems and challenges for the benefit of humankind; which requires high level technical and scientific knowledge as well as a multidisciplinary and multitasking approach, suitable for international cooperation;
- that Universities and Academies are distributed all-over the world and they provide the opportunity to establish a worldwide network of knowledge supporting the conception, preparation and exploitation of space activities, regardless of the geographical location;
- that Universities and Academies have different disciplines, competences, technology development, geographic culture, connection to the society and their ability to inspire young generations which have influence and value

Governmental representatives and delegates heard and considered presentations from experts on three main topics:

- **Climate Change:** the phenomenon which affects humanity in such areas of agriculture, health, sea level and marine ecosystem, forest and water sources.
- **Big Data Management:** the volume and complexity of Space Systems data could provide a means to explore a variety of data management methodologies;
- **Earth Protection:** our complex and fragile Planet requires studies, knowledge and intervention capacity implemented on a global level

Governmental representatives and delegates



- Italian initiative adopted by the 59^o session of the UNCOPUOS in June 2016, Vienna
- **Italian contribution to UNISPACE+50**
- To expand availability of and accessibility to open source space science data through international cooperation among Member States and international space-related entities
- To foster and spread the culture of space science and astronomy across different countries
- Students and scholars among the targets of the initiative

Space science
as the basis of
Space Technology

Next steps

- International Space Forum at the Regional Level in 2017 in Kenya
- Move towards and contribute to the UN International Space Conference, UNISPACE+50
- Space Science can play a pivotal role in the support of the Conference' goals toward the United Nations 2030 agenda for Sustainable Development





THANK YOU