

Master Program in Space Institutions and Policies ASI-SIOI-CNR Edition 2013

***56th Session of UNCOPUOS
Wien, June 14th 2013***



COPUOS

Master Program in Space Institutions and Policies



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Mission



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The Master Program in Space Institutions and Policies, at its 5th edition, aims at the training of specialists, with legal, economic, political and industrial expertises, able to operate at a national, european and international level.

The course is aimed to shape multi-skilled professionals able to:

- ✓ meet the demands of the space sector, whether in government, industry or academy;*
- ✓ work effectively in an international and multidisciplinary environment.*

Participant profile

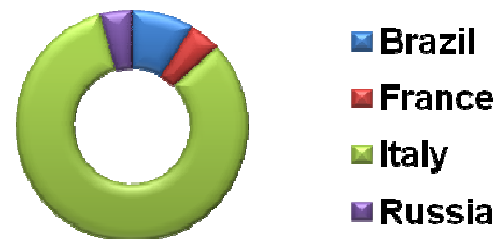
The current 5th edition of the Program gathers a challenging group of participants

- Different age
- Several nations
- Multi-cultures and languages
- Various educational and/or professional backgrounds

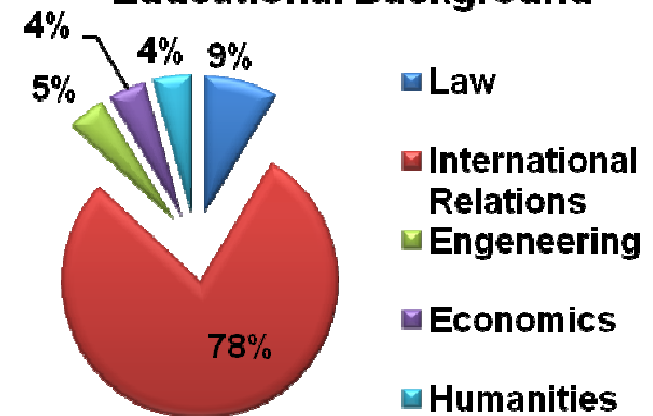
Age



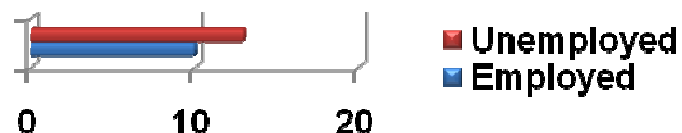
Country of origin



Educational Background



Employment



Capacity Building

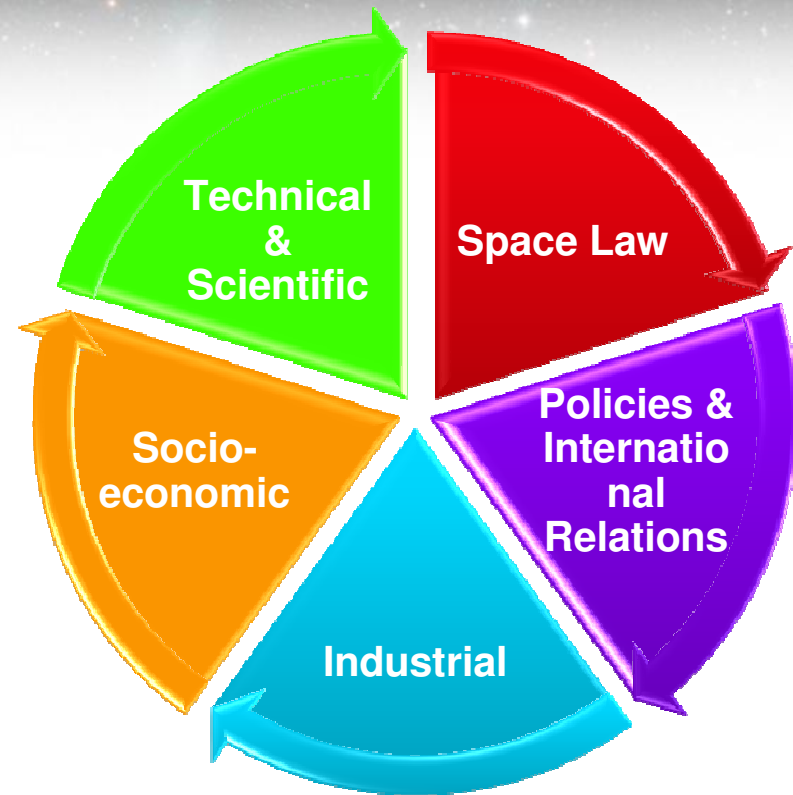


- Space requires comprehensive multi-disciplinary competences in order to provide solutions to the main space issues at global level.
- A number of topics is covered by different backgrounds of the teachers and delivered lectures.

Master Program

Space Teaching Format consists of five modules:

- **Space Law**
- **Policies and International Relations**
- **Industrial**
- **Socio-economic**
- **Technical and Scientific**



Keyword



INTER-DISCIPLINARITY

Innovative Approach



INTER-DISCIPLINARITY



DIFFERENT ACTORS

International Educational Approach



INTERNATIONAL FRAMEWORK

Representatives from different national space agencies, countries and regional entities present their space governance, programs and activities, cooperating with the master program.

Law Module



**UNGA Resolution 1962 (XVIII) 13 December 1963
Declaration of Legal Principles Governing the
Activities of States in the Exploration and Use
Of Outer Space**

Customary Law

State Practice

**International
law**

**UNGA
Resolutions**

**1967 OST
Outer Space Treaty**

**1968 ARRA
Rescue Agreement**

**1972 LIAB
Liability Agreement**

**1975 REG
Registration
Convention**

**1979 MOON
Moon Convention**

**National
Legislations**

**European Affaires and Treaties
Lisbon Treaty**

Mission

Goals

Participant
Profile

Capacity
Building

Master
Program

Innovative
Approach

International
Educational Approach

Modules

Team
Project

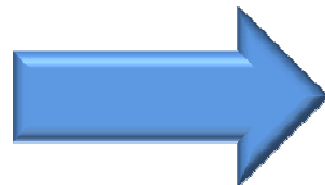
Skills
Aquired

External
Activities

Policies and International Relations Module

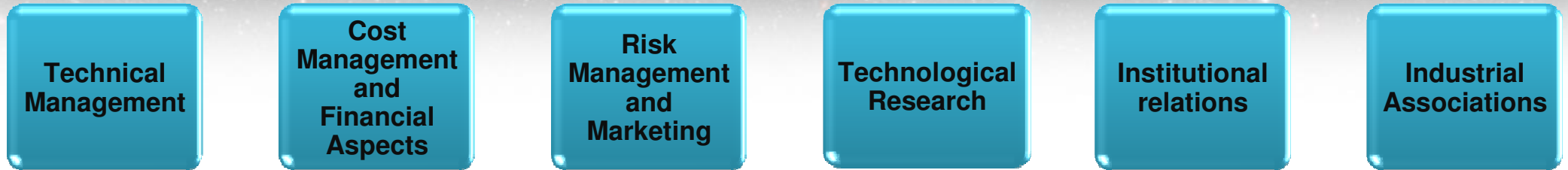


- INT. RELATIONS
- COOPERATION
- COORDINATION
- NEGOTIATION
- GOVERNANCE

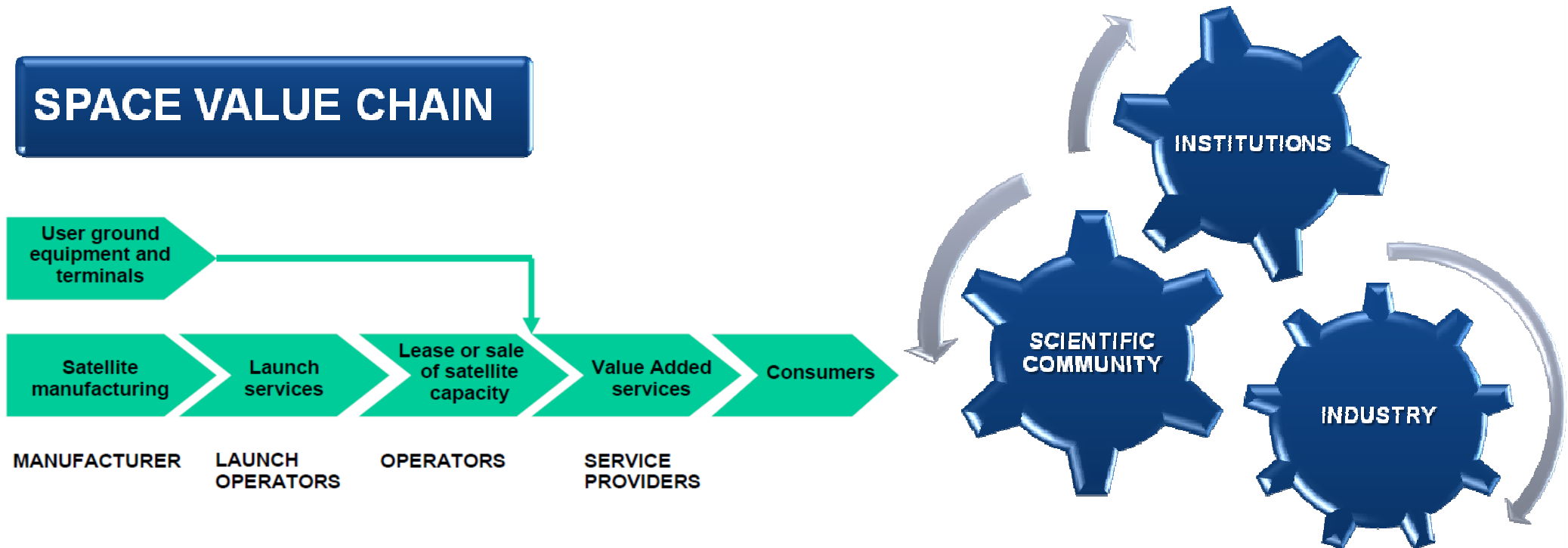


Industrial Module

Space Programme Management

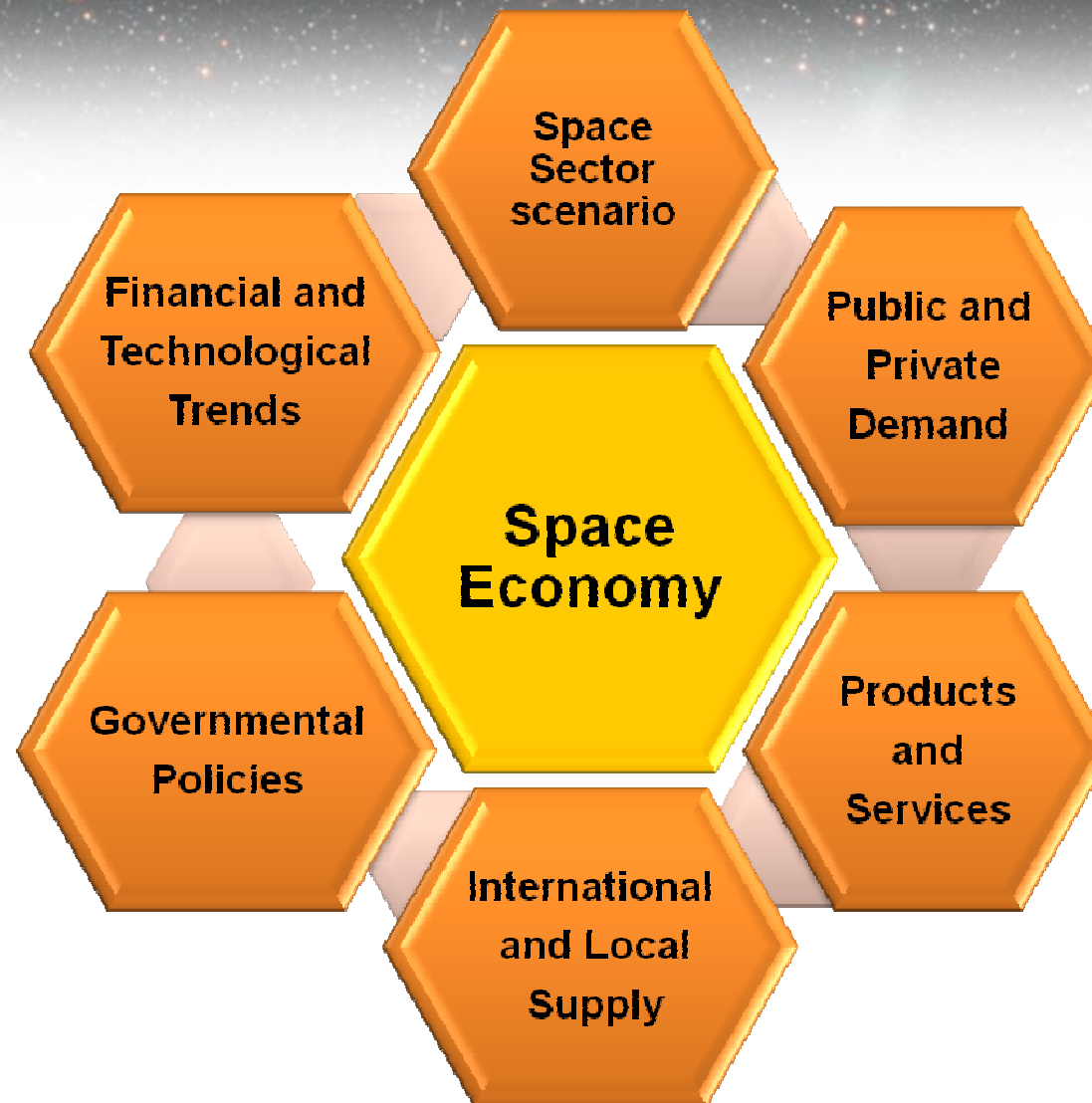


SPACE VALUE CHAIN

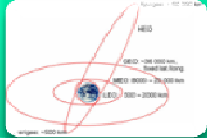
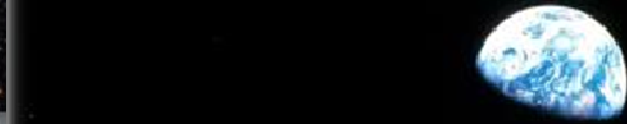


- Mission
- Goals
- Participant Profile
- Capacity Building
- Master Program
- Innovative Approach
- International Educational Approach
- Modules**
- Team Project
- Skills Aquired
- External Activities

Socio-economic Module



Technical & Scientific Module



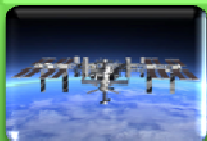
Orbits and Mission Analysis



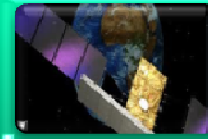
Satellites and orbital platforms



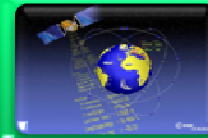
Launchers



ISS & Space Exploration



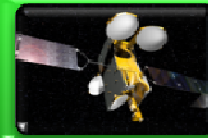
Earth Observation



Satellite Navigation



Scientific Missions



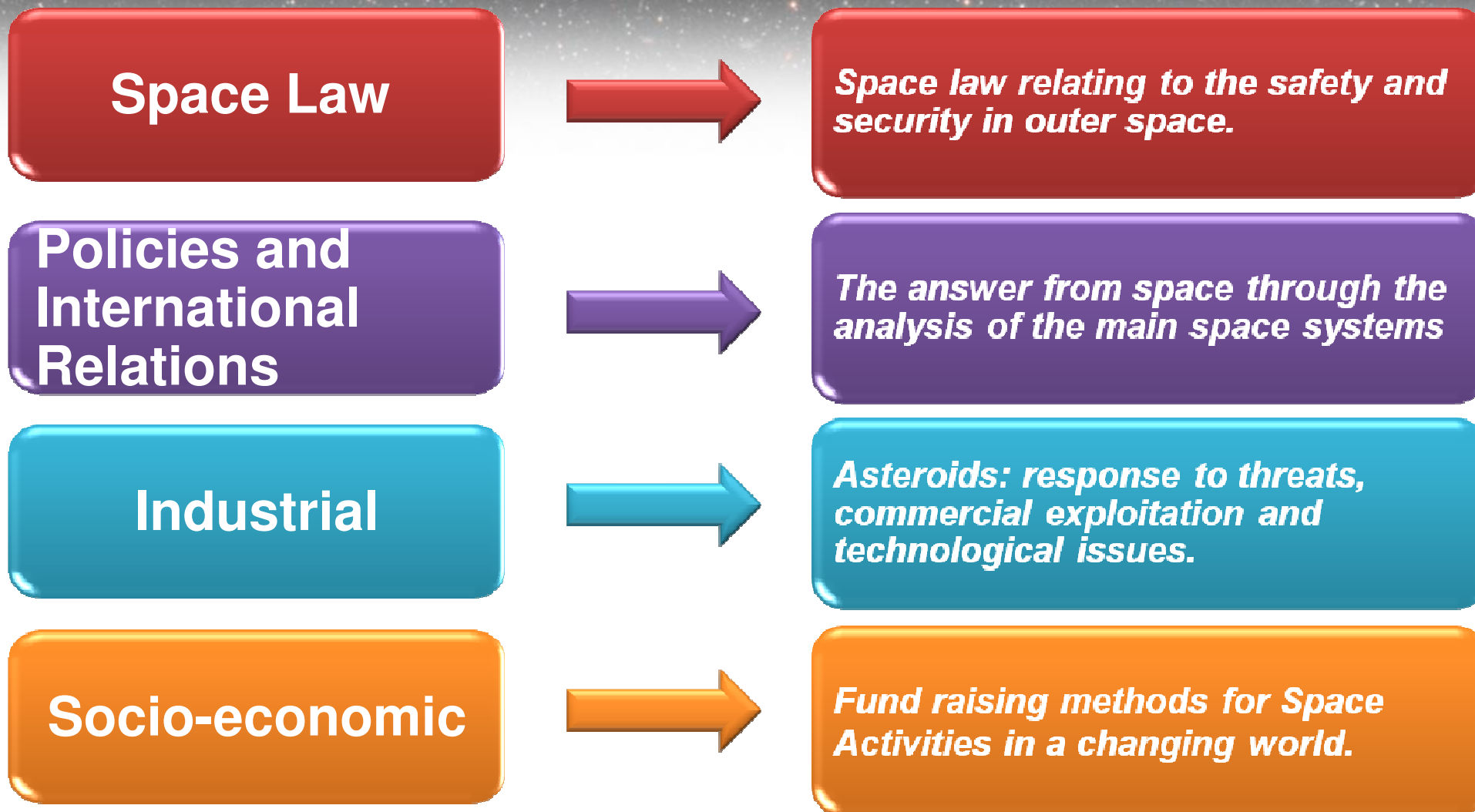
Satellite Telecommunication



Integrated Space Applications

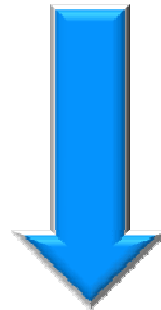
“Space Activities in a Changing World”

Team Project



Skills acquired

- ✓ Deep knowledge of the outer space legal framework
- ✓ Analysis of national space policies and international cooperation projects
- ✓ Study of the global socio-economic landscape related to the space
- ✓ Theoretical and practical training on the industrial dynamics of space projects



Holistic and open-minded professionals able to manage the space sector's complexity

External Activities

PROFESSIONAL VISITS



ASI - Rome



ESA/ESRIN – Frascati (Rome)



Thales Alenia Space - Rome



Selex ES - Campi Bisenzio (Florence)



Altec - Turin



OHB CGS - Milan



Telespazio - Valle del Fucino



Avio - Colleferro (Rome)



Thank you for your attention