Committee on Peaceful Uses of Outer Space
53rd Session, Wien 9 – 18 June 2010
Item 10: Space and Society

Master in
Space Institutions and Policies

Under the Patronage of:

- The European Parliament
- ESA
- ESPI
- FINMECCANICA
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Space activities deal with increasing challenges and require the knowledge of different scientific fields. The demand of funds and technical know-how highlight the necessity for joint international efforts, especially in the medium-long term.

The need for joint international efforts increases the complexity of the “space system” as a whole.

The complexity of the space system can be dealt with through a multidisciplinary approach.

THEREFORE

the Master Programme in Space Institutions and Policies has the purpose to train professionals able to satisfy this need at international level.
students/users

Different status, ages and educational backgrounds, enhance the interdisciplinary environment through exchange of experiences and knowledge among the same students.
multidisciplinary approach

Coordination by national experts

Contributes by international experts
didactic modules

Integration of complementary disciplines

- Industrial
- Policies and International Relations
- Techno-Scientific
- Social and Economic
- Law
policies & int. relations
module

Strategies
Cooperation
Coordination
Negotiation
Governance

Italian bilateral & multilateral relations
National Space Agencies
International & Regional Intergovernmental Organizations

policies & int. relations
module
space law module

- Outer Space Treaty
- Astronaut Convention
- Liability Convention
- Registration Convention
- Moon Agreement

International Bilateral and Multilateral Conventions

Law Praxis

National Law
industrial module

**Space Programme Management**

- Technological Research
- Technical Management
- Cost Management
- Risk Management
- Marketing & Finance

**Chain of Value**

- Scientific Community
- Industry
- Institutions
techno-scientific module

- Space Environment
- Orbits
- Space Debris
- EM Spectrum
- Gravitation

Space Environment
Orbits
Space Debris
EM Spectrum
Gravitation
socio-economic module

Economic Growth

EG = f (... Space Community, ...)

Human Index

Income Distribution

Quality of Life

Space Activities

GDP

Sustainability

Social Dimension

World Space Economy

Infrastucture

Support

Industries

4%

Commercial Infrastructure

30%

Commercial Satellites

Services

32%

Government Space Budgets

31%

Commercial Space Transportation Services

2.85%

People

Proposals

Knowledge

Technology

Industry

Finance

EG = Economic Growth (EG)

GDP

Economic Growth

Social Dimension

Quality of Life

Socio-economic module
exercise activities

French Embassy in Rome
“Manned Space exploration”

SIOI – Conference
(TAS) “Relations between Small and Large Enterprises”
(ECSL) “Space law: Past, Present and Future”
SIOI - Book presentation
M. Spagnulo (ASI) “Space Beyond Earth”

Thales Alenia Space Italy
“COSMO – Skymed, an applicative industrial project”

Thales Alenia Space Italy
“Cassini – Huygens, a scientific industrial project”
additional activities

ESRIN-CRYOSAT2 LAUNCH

TELESPAZIO - Fucino
Space Center

THALES ALENIA
SPACE ITALY - TURIN
INDUSTRIAL SITE

AVIO - Colleferro
Industrial Site
We are here today!
stage & placements

Italy

EU

International

Give us an opportunity!
COOPERATION IS THE MAIN GOAL AND THE KEY FACTOR FOR DEVELOPMENT
Thank you for your attention

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