



UNITED NATIONS
Office for Outer Space Affairs

10th United Nations Workshop on Space Law
Vienna, 5 - 8 September 2016

High Level Forum: Space for socio-economic sustainable development

Simonetta Di Pippo, Director

United Nations Office for Outer Space Affairs
United Nations Office at Vienna
www.unoosa.org



UNITED NATIONS
Office for Outer Space Affairs

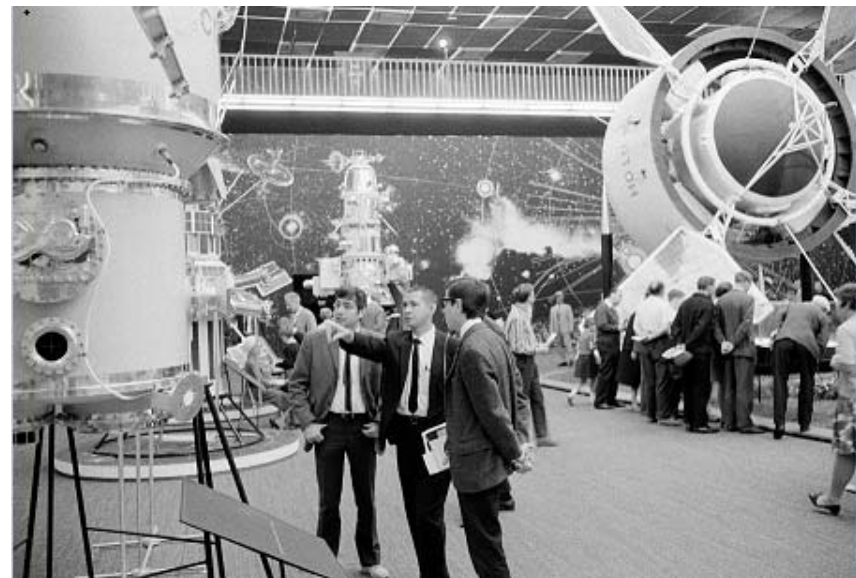
High Level Forum series: towards UNISPACE+50

In June 2018 the international community will mark the 50th anniversary of the first UN Conference on the Exploration and Peaceful Uses of Outer Space (UNISPACE) and articulate a long-term vision for Space.

In the lead-up to 2018, a series of High Level Fora (2016-2018) aims to drive debate on the role of space science and technology in fostering global development.

The Fora also represent a unique opportunity for the collective space community to address the future of global space governance, as well as to take stock of the contributions of the three previous UNISPACE conferences.

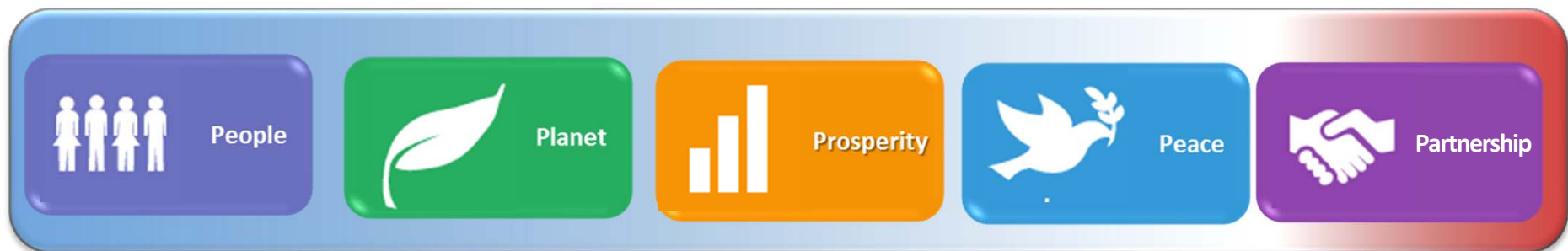
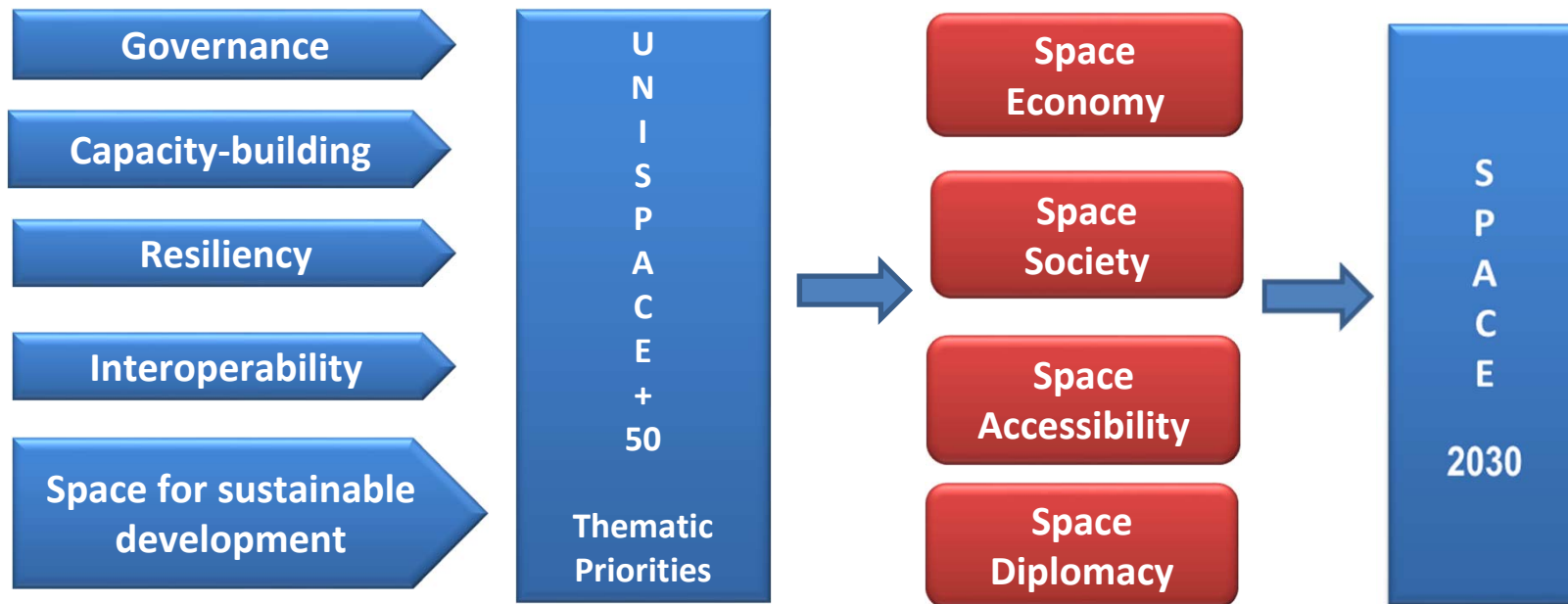
The first High Level Forum will be in Dubai, UAE, from 20 to 24 November 2016.



@UN Photo



UNISPACE+50 Process





UNISPACE+50 Thematic Priorities

7 thematic priorities with mechanisms agreed by COPUOS in 2016:

- 1. Global partnership in space exploration and innovation - Action Team with MS***
- 2. Legal regime of outer space and global space governance: current and future perspectives - LSC WG on Treaties in coordination with WG on LTS***
- 3. Enhanced information exchange on space objects and events – WG TBD at STSC 2017***
- 4. International framework for space weather services - STSC EG on Space Weather***
- 5. Strengthened space cooperation for global health - STSC EG on Space and Global Health***
- 6. International cooperation towards low-emission and resilient societies - UNOOSA***
- 7. Capacity-building for the 21st Century - UNOOSA***



UNOOSA works towards UNISPACE+50 deliverables under 4 pillars:

**SPACE ECONOMY / SPACE SOCIETY /
SPACE ACCESSIBILITY / SPACE DIPLOMACY**

These pillars will guide our preparations towards
UNISPACE +50 and beyond – “Space2030”

- The **High-level Fora “Space as a Driver for Socioeconomic Sustainable Development”** will address deliverables of UNISPACE+50 under these four pillars.
- UNISPACE+50 will produce a **path for the future (“Space2030”)** under the framework of the same four pillars.
- **States and space community** at large are invited to actively engage in this process.



Why the four pillars?

- The space arena is currently in a three-dimensional phase:
 1. The number of government space actors is increasing
 2. Private companies are becoming a major driver in the space sector
 3. Thanks to increased space spin-offs and space accessibility, the socioeconomic impact of space is greater than ever before.
- These three dimensions make it even more relevant to discuss the interlinkages and interdependencies under the framework of *space economy*, *space diplomacy*, *space society* and *space accessibility* as part of a holistic picture towards UNISPACE+50 and beyond: “Space2030”.
- The four pillars will be the framework into which the thematic priorities (targets and activities) will feed.
- The four pillars will also prove an essential tool in the definition of a common language to promote the goals of the UNISPACE+50 process: “To address the Future of Space”



Four Pillars

UNISPACE+50 will produce recommendations under the same four pillars:

Space Economy

1. Development of space-derived economic benefits.

Space Society

2. Evolution of society and societal benefits stemming from space-related activities.

Space Accessibility

3. All communities using and benefitting from space technologies.

Space Diplomacy

4. Building partnerships and strengthening international cooperation in space activities.



Space Economy

Space Economy

This HLF breakout session will explore the full range of activities and use of resources that create and provide value and benefits to human beings in the course of exploring, understanding and utilizing space.

Main expected outcomes:

- Increased awareness of the benefits of space economy on the growth and sustainable development of nations
- Space technologies and infrastructure linked to various sectors
- Recommended economic rationale for the continuous support for space activities at national levels
- Capacity-building prioritised in space science and technology as a key asset for a sustainable future.



Space Society

Space Society

This breakout session at HLF will explore societal challenges faced by nations that hinder development and investment in the space sector. The session will also examine the educational needs of developing countries and/or emerging space nations to manage their use of space and increasing social awareness of the link between innovation and space activities.

Main expected outcomes:

- Increased awareness of linkages between space technologies and management practices of natural resources and of the human environment
- Defined actions to increase awareness of decision-makers and governments in order to make better use of space technologies and space-based services and applications for the benefit of humankind, and therefore, for a better, sustainable society
- Defined strategies to integrate academia, government and industry to drive innovation in space activities.



Space Accessibility

Space Accessibility

This breakout session at HLF will explore how all user communities and decision-makers are able, on an equal basis, to benefit from and use space technologies and space-based data. “Data accessibility”, a subset, promotes principles, policies and practices that ensure that all countries can benefit and make equal use of space science and technology applications and space-based data, information and products.

Main expected outcomes:

- Open data principles and practices are better known and accepted
- Secondary and tertiary education in space science is encouraged
- Agenda set to enable transparent space accessibility
- Policies required to enable access to space technologies are identified and capacity-building in space as the key asset for a future sustainable society is prioritised.



Space Diplomacy

Space Diplomacy

This breakout session at HLF will explore current international policies and practices in space; processes for enhancing the long-term sustainability of outer space activities, including through transparency and confidence-building measures; challenges for public private partnership in space activities; and development of national space policies and regulatory frameworks.

Main expected outcomes:

- Mechanisms proposed for effective governance
- Plan for inclusion of emerging space countries into the circle of diplomacy of developed space-faring nations
- Establishing the link between space diplomacy and decision-making at a global level for transparency and confidence-building.



Other HLF 2016 Highlights

- **High-Level Panel**

Organized with participation of top-level representatives of space agencies and other relevant national/regional/international institutions and organizations from both space-faring and non-space faring countries, establishing a direct debate with the HLF participants on the role of space science and technology in fostering global development.

- **Women in Space Breakfast and Networking**

Open to all participants, this event is designed to foster the interests of women working in space science and technology, and to advance women through initiatives and leadership development, as well as networking. This event is sponsored by Deutsches Zentrum für Luft- und Raumfahrt.V. (DLR).

- **Panel with space industry**

This panel will be a unique opportunity for the inclusion of, and dialogue with, the growing number of private actors in the space arena.

- **Roundtable Discussion Session: UNISPACE+50 – The way ahead**

The primary purpose is to address future global space governance leading up to the fiftieth anniversary of the First United Nations Conference on the Exploration and Peaceful Uses of Outer Space (UNISPACE+50) in 2018.



HLF 2016

- 1st High Level Forum on “Space as a driver for socio-economic sustainable development”.
- Dates: **20 – 24 November 2016**
- Venue: **Dubai, United Arab Emirates**
- Organizers: **United Nations Office for Outer Space Affairs, United Arab Emirates**
- Co-organizers and sponsors: **Secure World Foundation, Sierra Nevada Corporation’s Space Systems and International Committee on Global Navigation Satellite Systems**



**OUTCOME and RECOMMENDATIONS:
DUBAI DECLARATION**



Application deadlines

Deadline for Submission of Applications and Abstracts:

➤ For those seeking financial support - the completed application form together with the presentation abstract should be submitted online **no later than Sunday, 11 September 2016**

<https://register.unoosa.org/civicrm/event/info?id=42&reset=1>

➤ For participants who are self-funded or are being funded by their own organizations, the completed application form together with the presentation abstract should be submitted on-line **no later than Sunday, 18 September 2016**

<https://register.unoosa.org/civicrm/event/info?id=45&reset=1>

HLF WEBSITE:

<http://www.unoosa.org/oosa/en/ourwork/hlf/first-hlf-meeting.html>



UNITED NATIONS
Office for Outer Space Affairs

See you in Dubai!



Burj Khalifa, Dubai Mall and Mohammed Bin Rashid Boulevard - Dubai, UAE.
1 meter pansharpened image captured by DubaiSat-2



UNITED NATIONS
Office for Outer Space Affairs

THANK YOU

United Nations Office for Outer Space Affairs
United Nations Office at Vienna

www.unoosa.org
@unoosa