



UNITED NATIONS
Office for Outer Space Affairs

8th Annual UN-SPIDER Regional Support Offices Coordination Meeting

6-8 June 2017

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



Vision

Bringing the benefits of space to humankind

Mission Statement

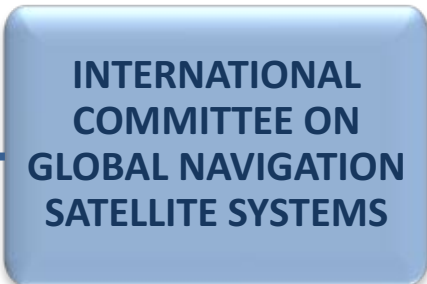
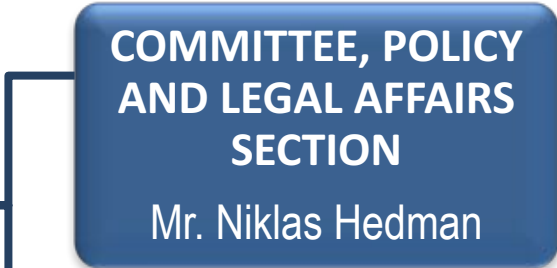
The core business of the Office is to promote

International Cooperation

in the use of outer space to achieve development goals
for the benefit of humankind



UNOOSA





UNOOSA Partnerships

Inter alia:

- With JAXA on “Kibo Cube” project providing opportunities for small satellite deployment from ISS, targeting academic institutions in developing countries
- With CMSA on providing opportunities for developing countries to carry out research on board the forthcoming Chinese space station
- With the Centre of Applied Space Technology and Microgravity, ZARM, to provide developing countries with opportunities to conduct microgravity experiments at the Drop Tower Bremen in Germany
- With Digital Globe on providing remote sensing images for sharing with other UN system entities
- With Sierra Nevada Corporation on providing opportunities for developing countries to participate in and benefit from missions on board the Dream Chaser orbital spacecraft



Transforming our world: 2030 Agenda For Sustainable Development





Current issues - Space agenda today:



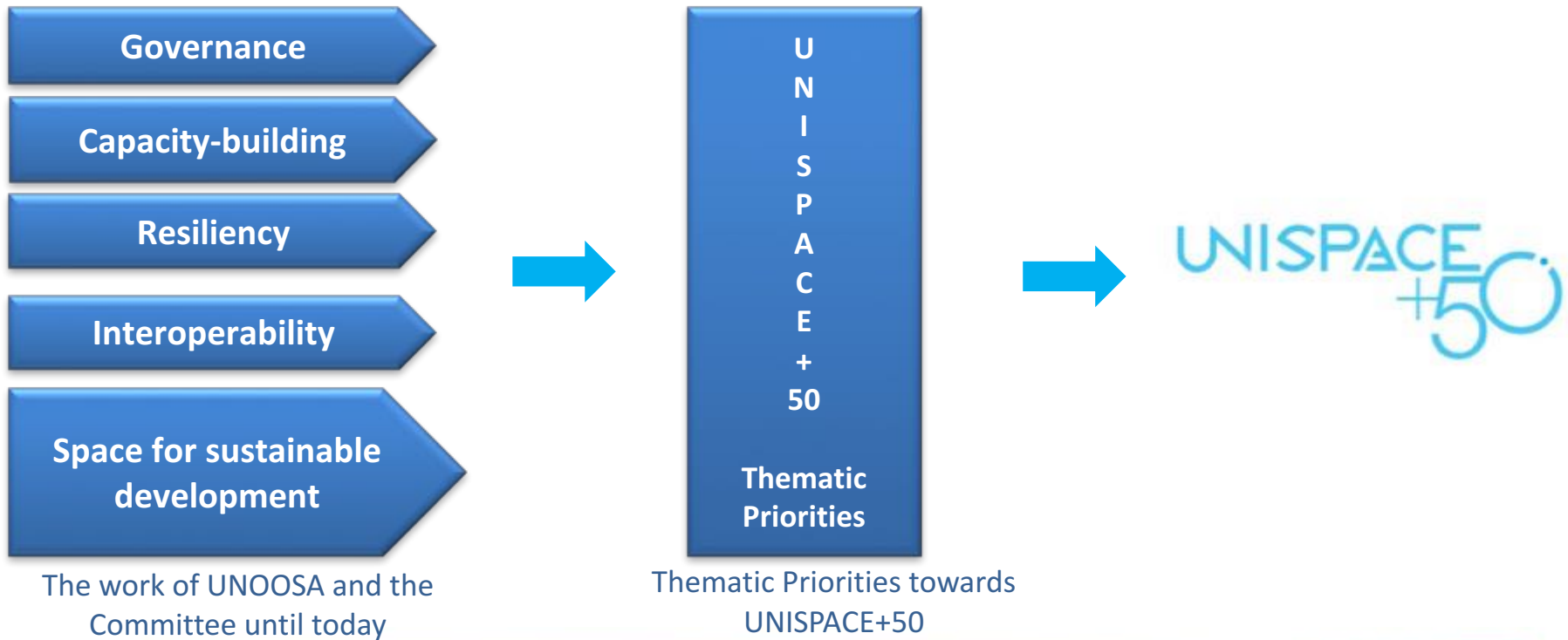


UNITED NATIONS
Office for Outer Space Affairs

UNISPACE +50



UNISPACE+50: The Process and beyond



The work of UNOOSA and the Committee until today

Thematic Priorities towards UNISPACE+50



The United Nations Foundation



UNISPACE+50: The Process and beyond



Space Economy

Space Society

Space Accessibility

Space Diplomacy



S
P
A
C
E

2030

4 Pillars to guide our
discussions towards the
future of space



UNISPACE+50 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



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 Accessibility

Space Accessibility

“Space accessibility”, including its subset “data accessibility”, refers to all user communities and decision-makers being able, on an equal basis, to benefit from and use space technologies and space-based data.

- Enhanced access to space and its assets for scientific and commercial endeavours
- More open and free access to space-based data and information
- Capacity-building and consequent improvement in developing countries using space science and technology, their applications and services
- Tools and platforms to facilitate access to space and exchange of data and information
- More attention by governments to regulatory and legislative actions
- Human access to space on a global scale and open to everyone.



Towards UNISPACE+50:

A series of High-level Forums (HLF2017)

- 2nd High Level Forum: **Space as a driver for socio-economic sustainable development**
- Dates: **6-9 November 2017**
- Venue: **Dubai, UAE**

- **Platform** for dialogue under the Forum's 4 pillars of **space economy, space society, space accessibility and space diplomacy** among representatives of governments, international organizations, industry, the private sector, academia and civil society



RECOMMENDATIONS for UNISPACE+50



TP 6: Objectives

- a. Define **synergies** between climate change mitigation efforts, disaster risk reduction and global development and reducing emissions by replacing carbon energy with renewable energy.
- b. Develop a **road map** for enhanced resiliency of space-based systems and the affiliation of existing and future Earth observation, global navigation satellite system and telecommunication constellations for disaster risk reduction and climate change monitoring and mitigation.
- c. **Improve integrated space applications** approaches and the **interoperability** of space-based systems and ground/in situ systems.
- d. Provide **requirements to new developers** for coverage in geographical areas not sufficiently monitored or applications that need further development.
- e. Identify **governance and cooperation mechanisms** to support this objective.

UNOOSA is the mechanism to develop and propose a roadmap for TP6



UN-SPIDER+10 and TP6

- **Making UN-SPIDER outcomes and impacts more visible by consolidating the network of RSOs and consider new partnerships;**
- GP-STAR;
- Knowledge Portal more service oriented and emphasis may be given on online services;
- Incorporate the use of space-based information in protocols and workflows used by national institutions;
- Continue capacity building efforts worldwide by **establishing a network of training institutions**, efforts to train the trainers, providing elaborate guidelines for trainers, raise awareness amongst private enterprises including insurance sector;
- Continue on-going efforts on early warning with efforts targeting adaptation; and
- Consider regional and trans-boundary approaches.



TP 6: Events

- Meeting with COSPAR, 21-22
- UN/Germany International Conference on International cooperation towards low-emission and resilient societies, to be held in Bonn (Germany), 22 to 24 November 2017
- UN/China International Conference on Space-based Technologies for Disaster Risk Reduction: the role of space technology in supporting indicators to monitor global targets of Sendai Framework, 23-25 October 2017
- UNOOSA will be involved in COP23, hosted at the headquarters of the UNFCCC



TP 7: Objectives

- a. Define **new innovative and effective approaches** to overall capacity-building and development needs as a fundamental pillar of global space governance.
- b. **Strengthen** comprehensive **capacity-building and outreach** activities of the Office for Outer Space Affairs.
- c. **Develop infrastructure** for cross-sectoral and integrated applications, with combined scientific, technical, legal and policy outputs.
- d. **Enhance existing partnerships and forge new ones** to strengthen and deliver targeted capacity-building and technical advisory activities based on needs assessments.
- e. **Promote efforts** to encourage science, technology, engineering and mathematics **education**, especially for women in developing countries.

UNOOSA is the mechanism to develop and propose a roadmap for TP7

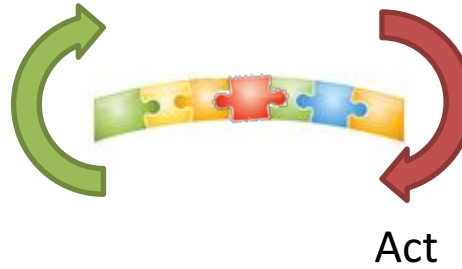


SDP/SSC and TP7

Space for Development Profile
Identifying Space Capabilities in a Country



Monitor



Act

RESULTS

Space Solutions Compendium
Giving Solution to Needs



Understanding needs is half the job of meeting them



TP 7: Events

- Meeting with COSPAR already held (21-22 May in UNOV premises)
- UN/Austria Symposium on Access to Space: Holistic capacity-building for the 21 century, in Graz (Austria) from 3 to 7 September 2017
- UN/Russian Federation Workshop on Human Capacity-Building in Space Science and Technology for Sustainable Social and Economic Development, in Samara (Russia) from 30 October to 2 November 2017
- UN/South Africa Symposium on BSTI "Small Satellite Missions for Scientific and Technological Advancement", 11-14 December 2017
- UN Expert Meeting on Space for Women, in New York (USA) from 4 to 6 November 2017



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THANK YOU

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