



**Annual Briefing to the Permanent Missions in Vienna  
By UNOOSA Director**

**Status of progress under the UNISPACE+50 Thematic  
Priorities**

8 September 2017

**SIMONETTA DI PIPPO**  
Director



UNITED NATIONS  
Office for Outer Space Affairs



# TP1: Global partnership in space exploration and innovation

**Focus of work of the Action Team**, following its establishment:

- Raising awareness of space exploration and innovation as essential drivers for opening up new domains in space science and technology;
- Triggering new partnerships;
- Developing capabilities that create new opportunities for addressing global challenges;
- Fostering dialogue with the space industry and the private sector; allowing space exploration activities to become open and inclusive on a global scale.
- AT is also in the process of developing related recommendations.
- AT members proposed text for the report (deadline was 1 Sept.).

**Next meetings:**

- **14 - 15 Sept.2017**; in connection with the American Institute of Astronautics and Aeronautics Space Forum, in Orlando USA, where it will further consider its final report under this thematic priority and related recommendations [CANCELLED];
- **10 November** – in conjunction with HLF2017, in Dubai, UAE. This is also final opportunity for drafting/inputs to the report.



## TP2: Legal regime of outer space and global space governance: current and future perspectives

- Legal Subcommittee in 2017 agreed on the working method under this TP, which was endorsed by COPUOS:
- To have in place **by 2020 a guidance document** and tools for the universality of the five United Nations treaties on outer space, in particular on the enhancement of accession to the Outer Space Treaty and membership of the Committee.
- **2018:** A proposed outline to be presented by the Chair of the Legal Subcommittee's WG on the Status and Application of UN Treaties on Outer Space, in close consultation with the Secretariat;
- Based on that – MS to **identify and agree on the key points for the guidance document and the online tool** under cluster 3, including on efforts to strengthen capacity-building and assistance, on the basis of a Detailed information on Clusters is contained in the final report of the Legal Subcommittee at its 56<sup>th</sup> session (see **A/AC.105/1122, paras. 7 and 8**).
- The work under TP 2 is also closely related to the progress of work under the STSC Working Group LTS as well as the work to be conducted under UNISPACE+50 TP 3.



## TP3: Enhanced information exchange on space objects and events

- COPUOS in June 2017 considered several proposals regarding the way forward under TP 3.
- On that basis, UNOOSA is preparing a report under this TP, which will outline **the current status as well as recommendations, based on existing mandates**, including recommendations contained in the GGE report and the special report on UN entities in supporting MS in the implementation of TCBMs in outer space activities, in particular **addressing the risk reduction notification needs** (document A/AC.105/1116).
- Detailed development of a workplan under this TP, is also closely connected with and pending the results of the work by the WG on LTS.



## TP4: International framework for space weather services

- **Flagship event**, held 31 July - 4 August 2017: **UN/US Workshop on the International Space Weather Initiative: The Decade after the International Heliophysical Year 2007**, at the Boston College, Massachusetts, USA.
- The workshop marked the 10th anniversary of IHY and was designed to consider future international cooperation in space weather activities linked to the preparations for UNISPACE+50
- **Highlight: High-level international forum on the economic and societal effects of extreme space weather** - recommendations of which, including on the need for a coordination entity to increase collaboration between national and international space weather stakeholders was brought forward as an essential instrument to meet current and future needs for space weather services.
- **Final report** under this TP, prepared by the Secretariat, with substantive contribution from the EG on Space Weather, and will include inputs from all related events under this TP, including from a **UNOOSA-COSPAR meeting held in Vienna in May this year**.





## TP5: Strengthened space cooperation for global health

- **Flagship event:** 23-25 Aug 2017: **Strengthening Space Cooperation for Global Health** - organized by UNOOSA together with WHO and the government of Switzerland

The Conference covered a number of essential aspects:

- Showcasing global health initiatives and the use of space technologies (data access, data provision services and information sharing - including data and services interoperability)
- Worked on further **roadmap** for progressing in the development of this TP;
- Focused on how to create and reinforce relevant **partnerships** for better utilization of space-based assets, data and technologies in addressing global health;
- The outcomes and recommendations identified will provide inputs for the report on this TP; **Final report** under this TP, prepared by the Secretariat, with substantive contribution from the EG on Global health, will also include inputs from all related events.
- The Conference further paved the way for **UNOOSA/WHO partnership in “Space for global health”** – agreement to be signed



## TP6: International cooperation towards low-emission and resilient societies

- UNOOSA, as the implementing mechanism, is developing a comprehensive strategy, which envisages achieving major impact by contributing to the following interdependent areas:

***Disaster risk reduction - Mitigation and adaptation to climate change - Linkages to sustainable development and resiliency of space based systems***

- **Focus:** building resilient societies and aligning efforts of the Office to contribute to the Sendai Framework through UN-SPIDER programme as well as to the adaptation efforts of the Paris agreement on climate change and towards the attainment of the SDGs
- **The strategy**, in a form of a report under this TP will be available for the 2018 cycle of the sessions of the Committee and its Subcommittees.
- **Flagship event:** UN/Germany International Conference on International cooperation towards low-emission and resilient societies, to be held in Bonn, Germany, from 22 to 24 November 2017.



## TP6 and UN-SPIDER

- UN-SPIDER has been providing direct support to developing countries in accessing and using Earth observation data in preparing for and responding to disasters, as mandated by GA resolution 61/110, para. 6:

*To provide universal access to all countries and all relevant international and regional organizations to all types of space-based information and services relevant to disaster management to support the full disaster management cycle by being a gateway to space information for disaster management support, serving as a bridge to connect the disaster management and space communities and being a facilitator of capacity-building and institutional strengthening, in particular for developing countries;*

- Its approach is now looked at **as a model in other areas of work of the Office**, particularly as relate to the provision of services.
- The Office is in the process of developing **a road-map for UN-SPIDER, with a focus on partnerships (UN-SPIDER's network of partners, including with its regional support offices) and aligned with Space2030 agenda** and through additional efforts at the global scale in the promotion of the use of space-based information in all phases of the disaster management cycle - a crucial component towards building **more resilient societies**.
- UN-SPIDER will need **to increase its capability to mobilize resources, partners and its networks** to meet the needs of countries and to approach emerging challenges to become a recognized partner among other global partners in the context of access to data, information, and knowledge.





## TP7:Capacity-building for the twenty-first century

- UNOOSA, as the implementing mechanism under this TP, is developing a **targeted capacity-building strategy**, aimed to assist Member States to equip themselves with the technical and policy capabilities to integrate space technology and applications in their strategic planning.
- Part of this initiative: **Space for Development Profile and Space Solutions Compendium** as tools to measure the impact and deliver targeted capacity building, establishing UNOOSA as “**one-stop-shop**” for **space capacity building**.
- UNOOSA Capacity-building strategy, fit for the 21<sup>st</sup> century, is also an integral part of the Office’s efforts in developing “**Space for Society – Building a global partnership for integration of space-based data and infrastructure**” - to leverage space and space assets to support the successful implementation of the 2030 Agenda and increase its socioeconomic benefits to humankind.



## TP7:Capacity-building for the twenty-first century

- **Flagship event: UN/Austria Symposium on Access to Space**, held 3 -7 September in Graz, Austria: addressed and tested **Space for Development Profile (SDP) and Space Solutions Compendium (SSC)** with other stakeholders with the aim to include in the SSC as many solutions as possible, also incorporating solutions provided by other entities, partners and countries.
- Upcoming: **UN/Russian Federation Workshop on Human Capacity-Building in Space Science and Technology for Sustainable Social and Economic Development**, 30 Oct. - 2 Nov 2017: possibly establishing a *Capacity Building Network* to help upscale and better coordinate and link to the 2030 Agenda the presently fragmented approaches towards space capacity-building.
- **UN/South Africa Symposium on “Small Satellite Missions for Scientific and Technological Advancement”**, 11 - 14 Dec.2017, will consider emerging issues, both technical and legal, on the development of small satellites, particularly in developing countries.



## TP7: Open Universe Initiative

- Initially proposed at the 59th session of COPUOS in 2016 (A/AC.105/2016/CRP.6), an update on the status of activities was provided to the Permanent Missions in conjunction with the COPUOS session in June 2017, including on a draft plan of action.
- Since the briefing, preparations have continued for the **UN/Italy Workshop on the Open Universe Initiative**, to be held here at **VIC, 20-22 November 2017**.
- The workshop will (i) present the most recent advances and methods to access and utilize space science and astronomy data, and (ii) discuss the objectives and devise a potential roadmap and plan of action for the Open Universe initiative.
- Following up on the recommendations of the Expert Meeting held in April at ASI headquarters, the Open Universe Initiative **should engage with a wider user base, including the various target groups identified, ranging from the research community, higher and secondary education, citizen and amateur scientists and other potential end users.**



## TP7: Space for Women

- Organised at the **UN Headquarters in New York**, a two and half day event on the “Space for Women” project is planned for **4 to 6 October 2017** to discuss the scope and goals of this project, as mandated by COPUOS under UNISPACE+50 TP7; also directly addressing SDGs 4 and 5
- The expert meeting will conclude with a **High-level Panel on 6 October**, where we expect high-level representation and inputs by UN Deputy Secretary-General Amina Mohammed, Director of UN-Women, UN Champion for Space Scott Kelly, former NASA Astronaut Sandy Magnus, the ESA Director-General Jan Woerner and other participants.
- The High-level panel will be moderated by the Permanent Representative of Austria to the United Nations in New York and is expected to present the **results of the proceeding Expert Meeting and further promote the “Space for Women” project** as well as the work of the Office among Permanent Missions to the United Nations in New York.



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# Towards Space2030

- **UNISPACE+50** will be the best opportunity for joint work among Member States on **Space2030** in order to address global space governance and the future of space.
- Space technology supports our common goals to address **global challenges**.
- **New, collectively negotiated norms** under the roof of COPUOS can ensure the benefits of space for future generations
- **Space is a limited resource** that has to be protected through **one joint vision** enshrined in Space2030.





# UNISPACE+50, the four Pillars and the SDG's

## Space Economy

Development of space-derived economic benefits.

## Space Society

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



Building partnerships and strengthening international cooperation in space activities.

All communities using and benefitting from space technologies.

## Space Diplomacy

## Space Accessibility

## Conclusion – Key dates: 2017 High-level Forum

- 2017 High Level Forum: **Space as a driver for socio-economic sustainable development**
- Dates: **6-9 November 2017**
- Venue: **Dubai, UAE**
- Application deadline: **30 September** (for self-funded)

**HLF is a 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



## Conclusion – Key dates

	Date	Location
Scientific and Technical Subcommittee	29 January to 9 February 2018	Vienna
Legal Subcommittee	9 to 20 April 2018	Vienna
Inter-sessional consultations on the UNISPACE+50 draft resolution	7-11 May 2018	Vienna
Committee on the Peaceful Uses of Outer Space, with the UNISPACE+50 High-level Segment	20 to 29 June 2018	Vienna
	20 to 21 June 2018	Vienna

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