



UNITED NATIONS  
Office for Outer Space Affairs

# Office for Outer Space Affairs (UNOOSA)

**BRIEFING FOR PERMANENT MISSIONS  
INTRODUCING THE WORK OF UNOOSA**

United Nations Office for Outer Space Affairs  
United Nations Office at Vienna  
[www.unoosa.org](http://www.unoosa.org)

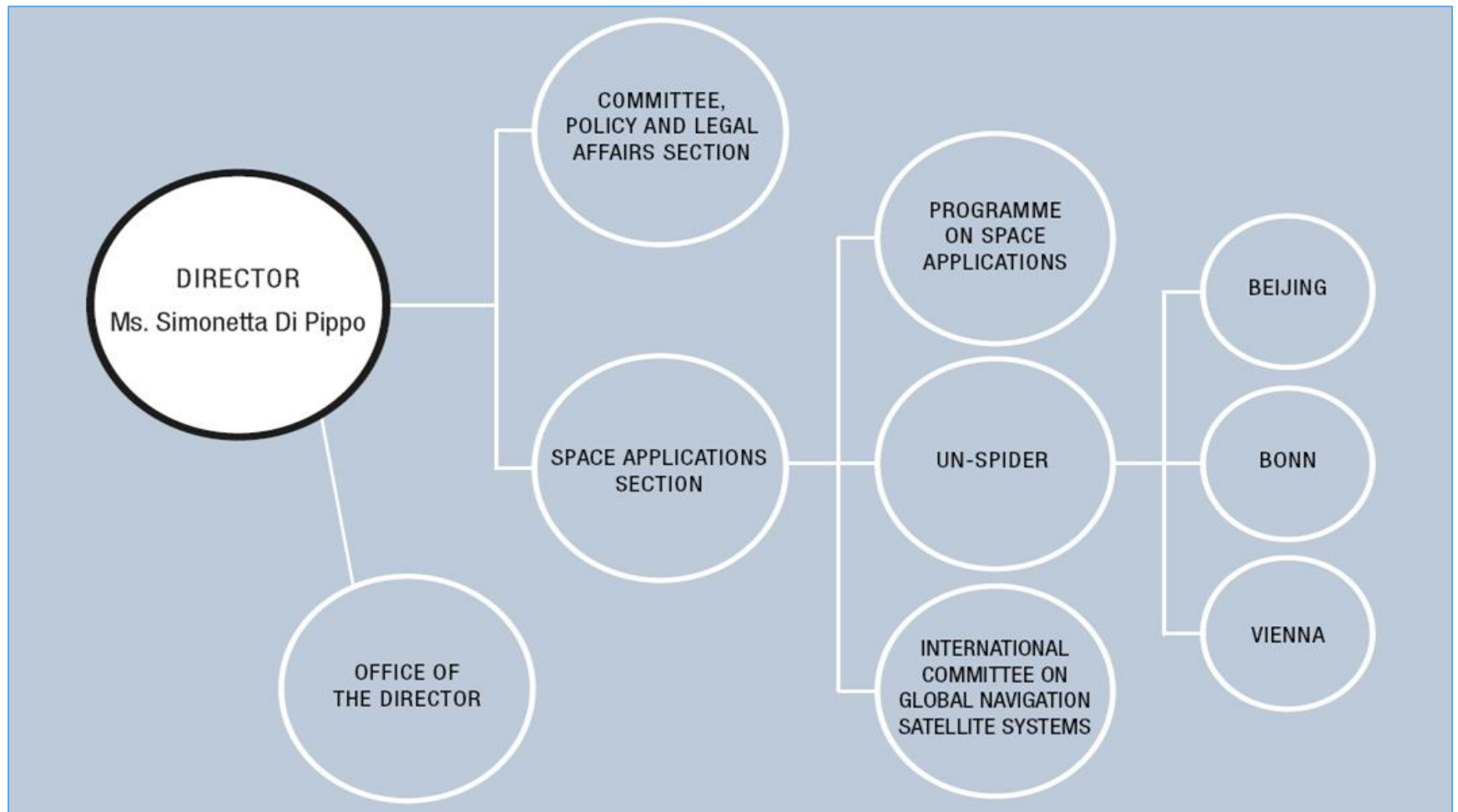


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## UNOOSA: organizational chart





## UNOOSA: components

- **Role of the Director:** Responsible for the overall implementation of UNOOSA's work in accordance with mandates of the General Assembly and the Committee on the Peaceful Uses of Outer Space (COPUOS). Advises the UN Secretary General on space affairs. Represents the UN on matters relating to the peaceful uses of outer space.
- **Office of the Director (OD):** overall executive direction and management, leads coordination of budget, human resources, external relations and public information matters. Manages the UN Register of Space Objects.
- **Committee, Policy and Legal Affairs Section (CPLA):** supports UN intergovernmental processes in space-related areas, such as COPOUS. Provides technical and capacity-building assistance in areas of space law and policy.
- **Space Applications Section (SAS):** provides capacity-building to enhance the use of space applications for sustainable development through the UN Secretariat's Programme on Space Applications. SAS also implements UN-SPIDER and ICG.



## Committee, Policy and Legal Affairs (CPLA): Secretariat services

- United Nations Committee on the Peaceful Uses of Outer Space (COPUOS), its Scientific and Technical Subcommittee (STSC) and Legal Subcommittee (LSC)
- The UN General Assembly 4th Committee
- Space Mission Planning Advisory Group (SMPAG) and International Asteroid Warning Network (IAWN)
- The United Nations system wide cooperation and coordination through the Inter-Agency Meeting on Outer Space Activities (UN-Space)



## Committee on the Peaceful Uses of Outer Space (COPUOS): two Subcommittees

- 1961: Establishment of two Subcommittees
  - Scientific and Technical Subcommittee (STSC)
  - Legal Subcommittee (LSC)
- Membership to date: 87 Member States and 37 Organizations with permanent observer status (up from 69 Member in 2008)
- COPUOS reports to the Fourth Committee of the UN General Assembly (UNGA)
- The UNGA Fourth Committee adopts an annual resolution on “International cooperation in the peaceful uses of outer space”



## Member States of COPUOS (01/2018)

Albania  
Algeria  
Argentina  
Australia  
Austria  
Armenia  
Azerbaijan  
Bahrain  
Belarus  
Belgium  
Benin  
Bolivia  
Brazil  
Bulgaria  
Burkina Faso  
Cameroon  
Canada  
Chad

Chile  
China  
Colombia  
Costa Rica  
Cuba  
Czechia  
Denmark  
Ecuador  
El Salvador  
Egypt  
France  
Ghana  
Germany  
Greece  
Hungary  
India  
Indonesia  
Iran

Iraq  
Israel  
Italy  
Japan  
Jordan  
Kazakhstan  
Kenya  
Lebanon  
Libya  
Luxembourg  
Malaysia  
Mexico  
Mongolia  
Morocco  
Netherlands  
New Zealand  
Nicaragua  
Niger

Nigeria  
Norway  
Oman  
Pakistan  
Peru  
Philippines  
Poland  
Portugal  
Qatar  
Republic Of Korea  
Romania  
Russian Federation  
Saudi Arabia  
Senegal  
Sierra Leone  
Slovakia  
South Africa  
Spain

Sri Lanka  
Sudan  
Sweden  
Switzerland  
Syria  
Thailand  
Tunisia  
Turkey  
Ukraine  
United Arab Emirates  
United Kingdom  
United States Of America  
Uruguay  
Venezuela  
Viet Nam



## Permanent Observers (01/2018)

### IGOs

APSCO  
ARSCAW  
CRTEAN  
ESA  
ESO  
EUTELSAT-IGO  
ISNET  
IMSO  
INTERSPUTNIK  
ITSO

### NGOs

AARSE	AOCRS	ASE
CEOS	COSPAR	ESPI
EURISY	IAA	IAASS
IAF	IAU	IIASA
IATA	IISL	ILA
ISPRS	NSS	PSIPW
SCOSTEP	SGAC	SWF
TPS	WSWA	ISU

Ibero-American Institute of Aeronautics and Space Law and Commercial Aviation; UNISEC-Global, ESF (ESC).



## Work of the Committee and its two Subcommittees

- Annual Meeting Dates for 2019:
  - Scientific and Technical Subcommittee (STSC): 11-22 February, VIC, Vienna
  - Legal Subcommittee (LSC): 1-12 April 2019, VIC, Vienna
  - Committee on the Peaceful Uses of Outer Space (COPUOS): 21-21 June 2019, VIC, Vienna
  - For more comprehensive overview of current status of work, see latest COPUOS Report, document A/73/20 ([unoosa.org](http://unoosa.org))



## UNISPACE+50, 18-21 June 2018

- UNISPACE+50 in June 2018 included a symposium, a COPUOS High-level segment, side events, and a week-long exhibition.
- The symposium panels gave stakeholders the opportunity to take note and discuss various relevant issues in the areas of Space and Civil Society, Space and Industries, Space and Women and Space and Youth
- COPUOS high level segment allowed Member States to articulate their views on relevant space issues and commit to the development of “Space2030” Agenda
- Major step for global space governance and towards the successful fulfilment of SDG targets and Space2030
- 400 Participants at the Symposium, 800 Participants at the High-level Segment, including leaders from 29 space agencies.

### HIGHLIGHTS

**29** heads or high ranking representatives of **Space Agencies attended**

**UNOOSA signed several agreements** with governments, space agencies and private companies

**Live in-flight call** with astronauts on the International Space Station



## COPUOS Working Group on “Space2030”

- In view of the draft resolution entitled "**Fiftieth anniversary of the first United Nations Conference on the Exploration and Peaceful Uses of Outer Space: space as a driver of sustainable development**", contained in [A/AC.105/L.313](#), endorsed by the Committee at the 61st session.
- On a **NEW AGENDA ITEM** entitled "'Space2030' agenda", to remain on the Committee's agenda until the sixty-third session of the Committee, **in 2020**.
- The Committee agreed **on the establishment of a Working Group** under that item.
- WG to hold **intersessional consultations the week of 8-12 October 2018** at the VIC, to establish its workplan and method of work.
- The meeting will start on Monday, 8 October at 10.00hrs in C-building, Conference room C3.
- COPUOS member States invited to provide focal points for the work of the WG



## Committee, Policy and Legal Affairs (CPLA): Technical and capacity-building activities

- Assists Member States in implementing legal instruments and standards.
- Provides advice and technical legal assistance on international space law and policy.
- Builds capacity of Member States in space law and policy, global space governance, and TCBMs.
- Provides advice and support to all legal matters of the work of UNOOSA.



## Committee, Policy and Legal Affairs (CPLA): Inter-Agency Coordination on Outer Space Activities (UN-Space)

- UN-Space: an inter-agency mechanism for the coordination of UN system-wide activities utilizing space-related technologies.
- To promote synergies and prevent duplication of efforts in space-related work of United Nations entities, the United Nations Inter-Agency Meeting on Outer Space Activities (UN-Space) has been set up in mid 1970-s as a mechanism for such coordination.
- UNOOSA leads UN-Space, and the CPLA convenes and services its sessions.
- UN-Space produces special reports on selected topics, covering various aspect of how space science, technology and other related matters are being considered by different UN entities.



## Space Applications Section (SAS): Programme on Space Applications (PSA)

- From a fellowship fund and contributions of Member States and sponsors, PSA implements capacity building activities.
- In 2018:
  - GNSS (Argentina), space weather (USA), remote sensing (Hungary), SDGs (Austria), small satellites technology (Brazil), public/private partnerships for development (Germany), disaster risk reduction (China), human space technology (Vienna)
  - Access to space: DropTes (Germany), KiboCube (Japan), China Space Station (China), Dream Chaser (SNC), Centrifuge gravity experiment (ESA), ...
- PSA implemented in partnerships, including with:
  - the Regional Centres on Space Science and Technology Education, affiliated to the United Nations
  - COPUOS Member States



## Space Applications Section (SAS): UN platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)

**UN-SPIDER:** to help communities, particularly in developing countries, to fully capitalize on space-based technologies for disaster-risk management and risk reduction.

**Knowledge Management:** to build effective knowledge management that facilitates the use of space-based information in disaster situations and maintain an international support network.

**Technical Advisory Support:** to integrate the benefits of space with disaster-risk management and emergency response communities, particularly in developing countries through ad hoc technical support in disaster situations, training programmes and advisory missions.



## Space Applications Section (SAS): International Committee on Global Navigation Satellite Systems (ICG)

- UNOOSA serves as the executive secretariat of ICG which promotes voluntary cooperation related to civil satellite-based positioning, navigation, timing, and value added services.
- Encourages coordination among GNSS providers to enhance compatibility, interoperability, and transparency ... to ensure the best satellite based positioning, navigation and timing for peaceful uses for everyone, everywhere.
- Promotes the introduction and utilization of GNSS services in developing countries.
- Assists GNSS users with their development plans and applications.



## Office of the Director: overview of activities

- Assisting the Director in the overall executive direction and management of UNOOSA.
- Supports the Director in her role as adviser to the Secretary-General and senior management of the Organization on space affairs and as representative of the Secretary-General at meetings and conferences on matters relating to the peaceful exploration and use of outer space.
- UN Register of Objects Launched into Outer Space: UNOOSA maintains a central register of objects launched into outer space, assists State parties with the identification of space objects and provides data needed for the implementation of other treaties.
- Leads external relations, fundraising and outreach activities to raise awareness about space affairs and the work of UNOOSA.



## Space For Women

Women represent only 25% of the aerospace industry, less in the more technical jobs. Girls lose interest in STEM starting around middle-school.

- Space for Women will create a network of women working in space and STEM careers.
- Provide a platform for young women to connect with female role models.
- Bring greater awareness of women's contributions and potential in STEM fields
- Contribute towards achieving SDG 5: Gender Equality and the Empowerment of Women.



## UNOOSA Partnerships

- International cooperation and partnerships has proven to be a backbone of space activities
- Partnerships serve as expedient means of tackling global issues by bringing together resources, whether financial or human, expertise and knowledge
- “Space2030” could benefit from stronger partnerships and strengthening international cooperation and coordination in the peaceful uses of outer space at all levels in consonance with the targets of the SDGs
- To better succeed in bringing benefits of space to all humankind, UNOOSA must continue to foster synergies and collaboration with its partners between all sectors to not only engage the space community but rather employ a cross-sectoral and multi-stakeholder approach
- The 2030 Agenda for Sustainable Development acknowledges that the implementation of sustainable development will depend on the active engagement of both the public and private sectors, and recognizes that the active participation of the private sector can contribute to the achievement of sustainable development.



## Space4SDGs

‘Space4SDGs’ intends to capitalize on technological and innovative skills, as well as on resources available, of cross-sectoral actors from all fields with the aim to encompass all areas related to space utilization and exploration to bring benefits to the developing countries and to deliver the access to space technologies, applications, data and services to address all 17 SDGs.



## High Level Forum

- The annual High Level Forum (HLF): serve as a platform for the wider space community to discuss space affairs.
- The next HLF (November 13-16, Bonn, Germany) will address the contribution of space towards the 2030 Sustainable Development Agenda in areas of space economy, space society, space accessibility and space diplomacy.



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# THANK YOU

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