

# United Nations Inter-Agency Meeting on Outer Space Activities

## United Nations Office for Outer Space Affairs: Partnerships and Cooperation with Non-State Actors

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# UN Office for Outer Space Affairs (UNOOSA)

## Vision:

- Bringing the benefits of space to humankind

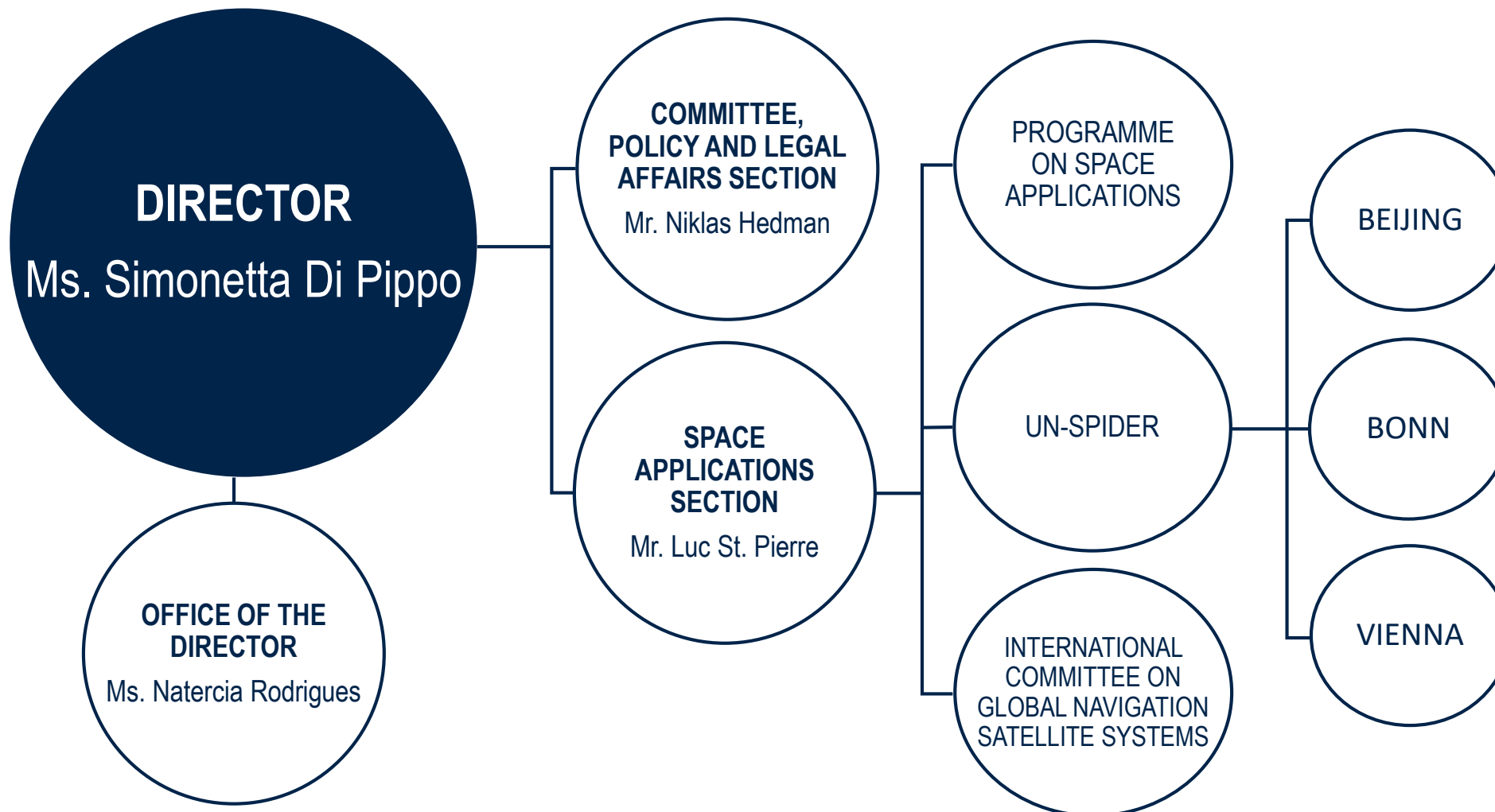
## Mission Statement:

- The core business of the Office is to promote **international cooperation** in the use of outer space to achieve development goals





# Organizational Structure of the Office





# The uniqueness of UNOOSA

## Capacity-Builder

UNOOSA aims to bring the benefits of space to humankind by building space capacity of non-spacefaring countries, particularly developing countries.

## Global Facilitator

UNOOSA plays a leading and facilitating role in the global promotion of peaceful uses of outer space.

## Gateway to Outer Space in the UN

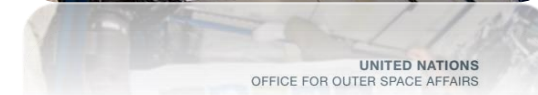
UNOOSA is the main UN agency on space matters and facilitates the coordination of UN agencies' activities for using space-related technologies for improving the human condition around the world (UN-Space).





# Space and Sustainable Development Goals

- Space technology can help us address **global challenges** and achieve **the 2030 Agenda for Sustainable Development**
- UNOOSA / European GNSS Agency (GSA) publication:
  - Role of space technologies in fulfillment of SDGs
  - **65 of the 169 SDG targets** (almost 40%) are reliant on the use of space
  - 38 cases and best practices
  - Published in January 2018
- One joint vision has to be employed to protect space as a limited resource for the benefit of humankind
- All countries and all stakeholders act in collaborative partnership to implement the **2030 Agenda**



**December 2017: UN GA agreed that UNOOSA should pursue greater engagement with industry and private sector entities to further their support for and contributions to the overall work of the Office (A/RES/72/77)**



**26 October 2018:**

**GA resolution on UNISPACE+50: Space as a driver of sustainable development**

Acknowledges the importance of global partnership and strengthened cooperation among MS, IGOs and NGOs, industry and private sector entities in fulfilling the “Space2030” agenda and its implementation plan



**COPUOS to develop “Space2030” agenda for consideration by GA in 2020**



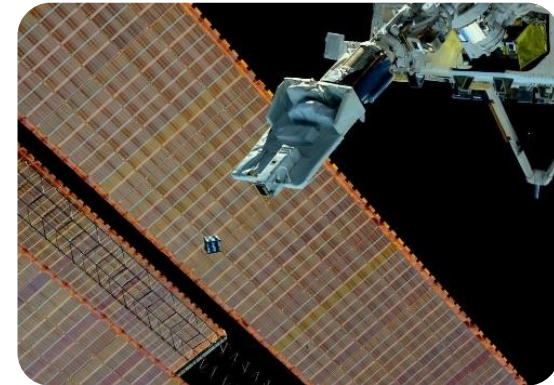
# Partnerships with Space Agencies

## KiboCUBE (JAXA)

- UNOOSA and JAXA provide access to space to developing countries. One free deployment per year of a 1U Cubesat from the Japanese ISS Kibo module
  - First launch: University of Nairobi, Kenya (May 2018)
  - Forthcoming: The Universidad del Valle de Guatemala, Mauritius Research Council
  - 4<sup>th</sup> Round is now open

## Agreement with China Manned Space Agency

- Provide flight experiment and space application opportunities on board China's space station for scientists from UN and MSs; and flight opportunities for astronauts and/or payload engineers from other countries to conduct hands-on experiments







# Airbus

**Pursue activities in the field of capacity-building in the utilization of the International Space Station (ISS), microgravity and Bartolomeo Project**



## Bartolomeo

- A free slot (a 3U-cubesat class payload) getting full Bartolomeo All-in-One Space Mission Service
- Free reservation of a slot for a 3U-CubeSat class single-payload on the 2020 or 2021 multi-payload ArgUS platform

## Earth Observation

- Provide sample satellite data for proof-of-concept demonstrations and crisis response, and, as required, to support professional trainings of operational staff of UN and MSs
- To jointly build capacity in developed and developing countries aimed at using of Earth Observation and derived data (including training sessions, workshops, data, case studies..)
- Peshghor Floors in Afghanistan - First successful activation of the MoU for a satellite imagery supporting disaster risk reduction after floods hit Afghanistan in July 2018



# DigitalGlobe

- UNOOSA and DigitalGlobe will stock their combined expertise in the use of the Earth observation technologies for economic, social and scientific development and improved decision-making, particularly in the developing countries;
- Work together to develop an online platform to provide easy access to imagery catalogues as well as data and analytical services;
- DigitalGlobe will provide advisory services on remote sensing imagery and geospatial analytics;
- Cooperation will also extend to DigitalGlobe's participation in relevant UNOOSA-supported events



DigitalGlobe is a  
business unit of Maxar  
Technologies



# Sierra Nevada Corporation

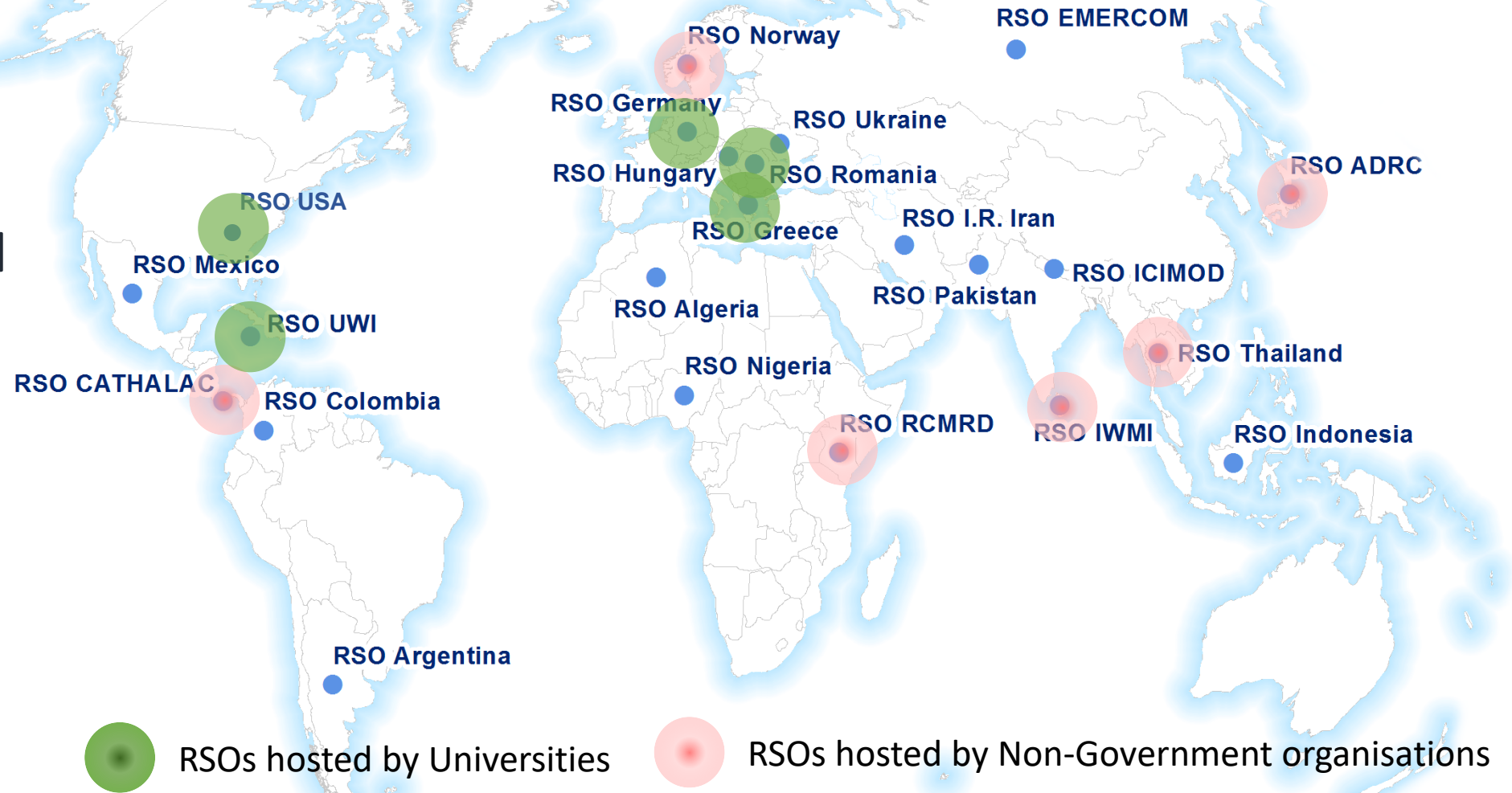
- Offer United Nations Member States the opportunity to participate in an orbital space mission utilizing SNC's Dream Chaser<sup>®</sup> space vehicle
- UNOOSA will offer technical support to countries which lack expertise and experience in developing microgravity payloads
- Opportunity for landing UN mission in any licensed member state that is supplying the payload on the mission
- Target goal is to provide developing countries with the opportunity to develop and fly microgravity payloads for an extended duration in orbit.
- Launch expected in the 2022





# Partnership for Space-based Information for Disaster Management and Emergency Response

## UN-SPIDER Network of Regional Support Offices





# Partnership for Space for Water

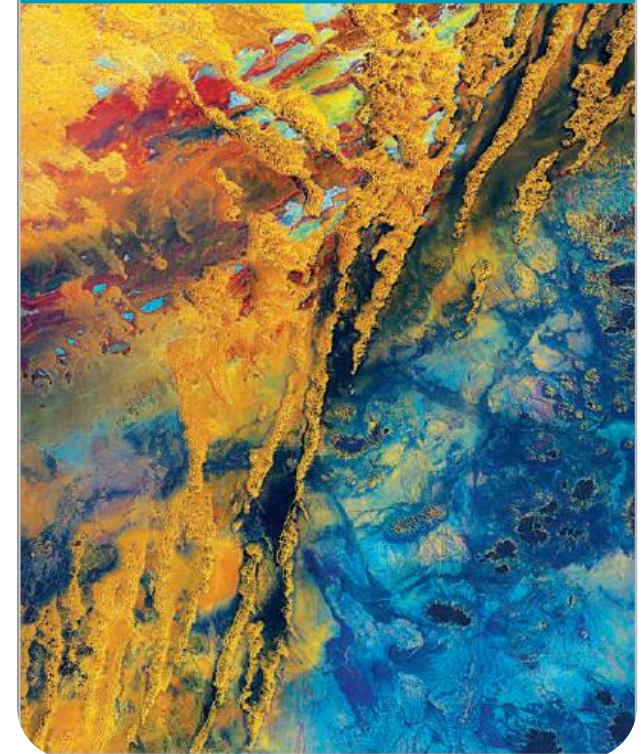
## MoU between UNOOSA and PSIPW (2016):

- Prince Sultan Bin Abdulaziz International Prize for Water
- Collaboration to promote the use of space-based technology for increased access to water

## Space 4 Water Portal

- Platform for interdisciplinary knowledge exchange on space technologies and water-related topics
- Inclusive portal to bring together organizations active in the field to share information on projects, initiatives, software, community portals, capacity-building, training possibilities, conferences, workshops and datasets, as well as news and publications in the sector
- Endeavour to foster interoperability and the sharing of resources

Space for Water



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# THANK YOU



UNITED NATIONS  
Office for Outer Space Affairs

**38<sup>th</sup> session, 29 October 2018**  
**Conference Room 8, UNHQ, NY, USA**