



UNITED NATIONS
Office for Outer Space Affairs

SPACE4SDGS



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**WORLD
SPACE
FORUM**

Draft Programme

18 – 22.11.2019



MONDAY, 18 November 2019: OPENING and WELCOMING

*City Hall of Vienna, Stadtsenatssitzungssaal
Entrance: 1010 Vienna, Lichtenfelsgasse 2, Feststiege I*

Opening and Welcome remarks

18:30	Mr. Michael Ludwig Mayor and Governor City of Vienna, Austria
18:40	Mr. Andreas Reichhardt Federal Minister Federal Ministry for Transport, Innovation and Technology, Austria
18:50	Mr. Niklas Hedman Chief, Committee Policy and Legal Affairs Section United Nations Office for Outer Space Affairs
19:00	Ms. Gabriela Sellner Ambassador and Permanent Representative of Austria to the United Nations in Vienna Federal Ministry for Europe, Integration and Foreign Affairs, Austria
Followed by a reception upon invitation of the Mayor of Vienna	



TUESDAY, 19 NOVEMBER 2019 Vienna International Centre (VIC)		
08:00	Registration	
09:30	Opening Remarks and Housekeeping	
09:35	Opening Speeches	
10:00	<p>Ms. Margit Mischkulnig Head of Department Space Affairs Federal Ministry for Transport, Innovation and Technology</p> <p>Mr. Markus Woltran Programme Officer United Nations Office for Outer Space Affairs</p>	
Session 1: Space Economy for All		
<p><i>Space economy is a key enabler and functions as the driver and connector of all four pillars. In that regard, this discussion session will address the different challenges and opportunities for the future of the space economy.</i></p>		
Moderator: Ms. Veronica Cesco, UNOOSA		Rapporteur: Ms. Felicia Schartner, University of Vienna
10:00 – 10:15	Mr. John Donehoo The Space Team University of Pittsburgh Medical Center	<i>From why space to thinking space</i>
10:15 – 10:30	Mr. José Manuel Medina Bosleman Space Latam	<i>Space Entrepreneurship: Available Paths to follow to begin a business in the space industry, resources and opportunities</i>
10:30 – 10:45	Mr. Thomas Herzig Architect	<i>"pneumo planet" Mars habitat and Moonbase</i>
10:45 – 11:00	Mr. Takayoshi Fukuyo National Space Policy Secretariat	<i>CubeSat-based Low-cost communication network and its utilisation for capacity building in developing countries</i>
11:00 – 11:15	Ms. Annalisa Donati European Space Policy Institute	<i>Space Ventures Report</i>
Coffee Break 11:15 – 11:45		
11:45 – 12:00	Mr. Christian Unfried Space Analyses	<i>Data Analyses of and for Space Assets</i>
12:00 – 12:15	Mr. David John Taverner Caribou Space	<i>UK Space Agency International Partnership Programme: Using Space to Achieve the UN Sustainable Development Goals</i>
12:15 – 12:30	Questions and Answers	
Lunch Break 12:30 – 13:30		



Session 2: The Benefits of Space for All

Space technology and its applications are fundamental for the implementation of all Sustainable Development Goals, and to ensure that no one will be left behind, international cooperation and a stronger focus on user needs is essential.

Moderator: Mr. Shirish Ravan, UNOOSA		Rapporteur:
13:30 – 13:45	Mr. David Draper NASA	<i>Exploration of the solar system</i>
13:45 – 14:00	Ms. Isabelle Duvaux-Bechon European Space Agency	<i>Benefits of Space for All: how to pass the message and reach the users</i>
14:00 – 14:15	Ms. Panagiota Alexandra Fratti School of Salamina	<i>Creating Tomorrow’s Explorers – Space Education: A teacher’s perspective</i>
14:15 – 14:30	Mr. Moritz Novak TU Wien	<i>Student initiatives and international collaboration: a launchpad for future space engineers</i>
14:30 – 14:45	Ms. Zainab Azim	<i>Youth, education and inspiring the scientist of tomorrow</i>
	Ms. Adriana Tome	<i>Space4Women Conference, Brazil, 2020</i>
14:45 – 15:00	Mr. Dohyung Kim (via Skype) UNICEF	<i>UNICEF Global CubeSat Youth Challenge</i>
15:00 – 15:15	Questions and Answers	
Coffee Break 15:15 – 15:45		
15:45 – 16:00	Ms. Alison B. Lowndes Artificial Intelligence DevRel	<i>Harnessing the power of AI for All Humankind</i>
16:00 – 16:15	Mr. Simon Jackman University of Oxford	<i>Using AI and satellite Data to address the SDGs</i>
16:15 – 16:30	Mr. James Parr Trillium	<i>ML as a tool for Improved Planetary Stewardship</i>
16:30 – 16:45	Mr. Stefano Natali SISTEMA GmbH	<i>Big data analysis tools for climate change assessment and climate resilience support in developing countries</i>
16:45 – 17:00	Ms. Angela Corbari Studiomapp	<i>Supporting SDGs impact measurement using AI on Satellite Imagery</i>
17:00 – 17:15	Ms. Barbara Riedler University of Salzburg, Z_GIS	<i>CopHub.AC - Copernicus Academy. Hub for connecting with experts of different application fields</i>
17:15 – 17:30	Questions and Answers	



WEDNESDAY, 20 NOVEMBER 2019
Vienna International Centre (VIC)

Session 3: Access to Space for All

Outer space has often been described as a global commons, and accessibility should remain a priority as the international community explored options to maintain the governance structure of the space environment.

Moderator: Mr. Jorge Del Rio Vera, UNOOSA | **Rapporteur:** Mr. Michael Friedl, University of Vienna

09:15 – 09:30	Ms. Iana Grytsenko Belt & Road Education	<i>Education and Space Technology Enable Access to All</i>
09:30 – 09:45	Ms. Nunzia Maria Paradiso ASI	<i>Access to Space for All: the Key Role of Capacity Building</i>
09:45 – 10:00	Mr. Ulisses Barres de Almeida Brazilian Center for Physics Research	<i>The Open Universe Initiative: Access to Space for All</i>
10:00 – 10:15	Mr. Otto Koudelka Graz University of Technology	<i>Small Satellites - Tools for Affordable Access to Space</i>
10:15 – 10:30	Mr. Miguel Yagües Palazón PLD Space	<i>Microlaunchers: Launch solutions for the increasing small satellites market and new ways to access to space</i>
10:30 – 10:45	Mr. Luciano Sacconi Sierra Nevada Corporation	
10:45 – 11:00	Questions and Answers	

Coffee Break
11:00 – 11:30

Moderator: Mr. Niklas Hedman
UNOOSA | **Rapporteur:** [TBC]

11:30 –
13:00 | **UN-SPACE**

Lunch Break
13:00 – 14:00

Session 4: Secure Space environment for All

Global governance of outer space activities is becoming increasingly important given the fast-changing “new space” environment with a steadily increasing number of actors

Moderator: Ms. Romana Kofler, UNOOSA | **Rapporteur:** Ms. Cordula Steinkogler, University of Vienna

14:00 – 14:15	Mr. Stewart Bain NorthStar Earth & Space	<i>Space Object Tracking: Creating A Secure and Sustainable Space Environment</i>
14:15 – 14:30	Mr. Jason Forshaw Astroscale	<i>Towards Global Space Sustainability – Astroscales vision for active debris removal services</i>
14:30 – 14:45	Mr. Angelo Fontana Avio SpA	<i>Vega In Orbit Services and Solutions – Debris removal</i>
14:45 – 15:00	Ms. Kimberly Macharia ConsensSys	<i>The Unifying Power of Space Debris: Using Collaborative Action Tools to Address the</i>



		<i>Clutter in Our Skies</i>
15:00 – 15:15	Ms. Lesley Jane Smith Leuphana University Lueneburg	<i>Regulating New Space and risk: are autonomous systems also sustainable</i>
15:15 – 15:30	Mr. Nathaniel Dailey MITRE	<i>International Space Reference Architecture</i>
15:30 – 15:45	Questions and Answers	
Coffee Break 15:45 – 16:00		
16:00 – 17:30	Poster Session	



THURSDAY, 21 NOVEMBER 2019 Vienna International Centre (VIC)	
08:30	Registration
09:30	Keynote
10:00	Ms. Simonetta Di Pippo Director United Nations Office for Outer Space Affairs
PANEL I: SPACE ECONOMY	
The wealth of options and arguments on why space is important for society, the need to guarantee access to space activities, and the need for a cooperative regulatory instrument mechanism for cooperation to ensure the benefits of space for societies.	
Moderator: Mr. Ian Freeman, UNOOSA	
Rapporteur: Mr. Koloman Roiger-Simek, University of Vienna	
10:00	Mr. Christian Hoffmann
10:15	Geoville
Panel Discussion	
Mr. Roberto Cossu European Space Agency	
Mr. Guillaume Prigent CNES	
10:15	Ms. Jenni Tapio
11:15	Ministry of Economic Affairs and Employment of Finland
Mr. Ricard William PWC	
Mr. Alexander Reissner Enpulsion	
Coffee Break 11:15 – 11:45	
PANEL II: SPACE SOCIETY	
The attainment of the goals set by the 2030 Agenda for Sustainable Development with the support of space and how space can be a driver for social and economic sustainable development.	
Moderator: Mr. Sebastien Moranta, ESPI	
Rapporteur: [TBC]	
11:45	Mr. Mark Doherty
12:00	European Space Agency
Panel Discussion	
12:00	Ms. Dominique Tilmans EURISY
13:00	Mr. Andreas Bauer Ars Electronica Center
Ms. Clémentine Françoise Renée Decoopman Space Generation Advisory Council	



European Commission [TBC]	
Mr. Christopher Lehnert DLR, Deputy Head Staff Department - Executive Board Division Space Research	
Afternoon: Technical Tour	



<p>FRIDAY, 22 NOVEMBER 2019 Vienna International Centre (VIC)</p>	
<p>PANEL III: SPACE ACCESSIBILITY</p> <p>The various factors of access to space, space technology data and facilities, and the importance of joining a global effort in the development of the entire space arena for the benefit of humanity.</p>	
<p>Moderator:</p> <p>Mr. Andreas Geisler Austrian Research Promotion Agency (FFG)</p>	<p>Rapporteur: [TBC]</p>
<p>09:30 – 09:45</p>	<p>H.E. Ogbonnaya Onu Minister of Science and Technology Federal Government of Nigeria</p>
<p>Panel Discussion</p>	
<p>09:45 – 10:45</p>	<p>Mr. Richard Henry Buenneke Jr U.S. Department of State</p>
	<p>Ms. Irmgard Marboe University of Vienna</p>
	<p>Mr. Tim Flohrer European Space Agency</p>
	<p>Mr. Daniel Oltrogge Center for Space Standards and Innovation</p>
	<p>Mr. HE Liang Ministry of Foreign Affairs China</p>
<p>Coffee Break 10:45 – 11:15</p>	
<p>PANEL IV: SPACE DIPLOMACY</p> <p>The attention of governments to the need for regulatory frameworks and mechanisms at national, regional and global levels, as well as the role of international mechanisms for cooperation in the peaceful exploration and use of outer space.</p>	
<p>Moderator: Mr. Niklas Hedman, UNOOSA</p>	
<p>Rapporteur: Mr. Michael Friedl, University of Vienna</p>	
<p>11:15 – 11:30</p>	<p>Mr. Jean-Jacques Tortora European Space Policy Institute</p>
<p>Panel Discussion</p>	
<p>11:30 – 12:30</p>	<p>Mr. David James Edmondson UK Foreign and Commonwealth Office</p>
	<p>Mr. Andre Rypl Brazil, Chair COPUOS</p>
	<p>Mr. Xu Yansong APSCO</p>
	<p>Mr. Niccolò Invidia Italian Parliament Representative</p>
	<p>Mr. Andrzej Misztal Poland, Chair LSC</p>



<p>12:30 13:00</p>	<p>Concluding remarks</p> <p>Ms. Margit Mischkulnig Head of Department Space Affairs Federal Ministry for Transport, Innovation and Technology</p> <p>Ms. Simonetta Di Pippo Director United Nations Office for Outer Space Affairs</p>
<p>Farewell – Coffee</p>	