



Sustainable Space for Sustainability on Earth

organized by the United Nations Office for Outer Space Affairs (UNOOSA)
in collaboration with Germany, Peru and United Arab Emirates

03 - 05 December 2024

UN-CAMPUS Platz der Vereinten Nationen 1 – 53113 Bonn, Germany

DAY 1, Tuesday, 03 December 2024

All sessions and coffee breaks will take place at **Altes Abgeordnetenhaus (AAH)**

Upper Conference Room (main room) and Lower Conference Room (overflow room w/participation opportunity)

8:00 – 9:30 REGISTRATION AND COFFEE

Opening

Master of Ceremony: Markus Woltran

9:30 – 11:00 **Ms. Aarti Holla-Maini** Director United Nations Office for Outer Space Affairs
Ms. Anna Christmann Federal Government Coordinator of German Aerospace Policy
& **Mr. Walther Pelzer** Director General German Space Agency at DLR
Mr. Salem Al Qubaisi Director General UAE Space Agency
Mr. Roberto Antonio Melgar Sheen Head of the Peruvian Space Agency CONIDA
Ms. Nicole Unterseh Deputy Mayor of the Federal City of Bonn
Moderator: **Ms. Silke Hüttemann** German Space Agency

11:00 – 11:30 COFFEE BREAK

Session I – Retrospective

Action 56 of the UN Pact for the Future calls for strengthened international cooperation for the exploration and use of outer space for peaceful purposes and for the benefit of all humanity. The session will reflect on the Summit of the Future, preparatory activities such as the UN/Portugal conference “Management and Sustainability of Outer Space Activities” and the implementation of the Space2030 agenda.

11:30 – 12:45 **Ms. Antje Leendertse** Permanent Representative of Germany to the UN in New York
(video statement) introduced by **Mr. Rüdiger Bohn** Permanent Representative of Germany to the UN in Vienna
Ms. Isi Casas del Valle P. Space Generation Advisory Council
Ms. Carolina Rêgo Costa Portuguese Space Agency
Mr. Zhigang Bian Vice Administrator China National Space Administration
Mr. Markus Woltran United Nations Office for Outer Space Affairs
Moderator: **Mr. Markus Woltran** United Nations Office for Outer Space Affairs

12:45 – 13:00 Group Picture

13:00 – 14:15 LUNCH BREAK

DAY 1 (continued), Tuesday, 03 December 2024



13:15 – 14:00 **Lunch Break Event “World Café: Future of Space Exploration - Foresight Concept”**
organised by the academic network SichTRaum, the European Space Policy Institute (ESPI), the German Aerospace Industries Associations (BDLI) and further partners

Session II – Space4SDGs

Master of Ceremony: Gina Petrovici

As the planet faces increasing environmental and societal challenges, it requires strong partnerships and global cooperation in order to achieve the goal of sustainable development. Space science and technology bring an abundance of unique and fundamental benefits to humanity. The session explores how space tools enable and drive sustainable development by providing essential data for climate action, disaster management and monitoring progress on global commitments in sustainable development goals.

14:15 – 14:30 **KEYNOTE: Revisiting Space as a Driver for Sustainable Development**
Ms. Sarah Ryglewski Minister of State for Sustainable Development, Federal Chancellery Germany

14:30 – 15:40 **PANEL 1: Leveraging Space Tech for Climate Action**
Mr. Pakorn Apaphant Geo-Informatics and Space Technology Development Agency Thailand
Mr. Lorant Czarán United Nations Office for Outer Space Affairs
Mr. Joel Joseph S. Marciano Philippine Space Agency
Mr. Prashanth Marpu Space42 UAE
Mr. Madin Maseh Maldives Space Research Organisation
Ms. Alma Okpalefe World Space Week
Moderator: **Ms. Violette Rolin** Permanent Mission of France to the UN and International Organisations in Vienna

15:45 – 16:15 COFFEE BREAK

16:15 – 17:05 **PANEL 2: Stronger Together – International Cooperation in Disaster Management and Emergency Response**
Mr. Yeshurun Alemayehu Adde Ethiopian Space Science & Technology Institute
Mr. Daniel Lanz LANZ AI/Marple Germany
Mr. Meng Lingjie China National Space Administration
Ms. Daniela Schmidt OHB Germany
Moderator: **Mr. Juan Carlos Villagran** UN-SPIDER

17:10 – 18:00 **PANEL 3: SDG 17 – Partnership for the Goals**
Ms. Marcia Alvarenga dos Santos Brazilian Space Agency
Mr. Magnus Andersson Malmö University Sweden
Mr. Rainer Malmberg IABG Germany
Mr. Hinrich Paulsen Mundialis Germany
Mr. Juan Carlos Villagran UN-SPIDER
Moderator: **Mr. Gustavo Henriquez** CONIDA Space Agency of Peru

19:00 - 23:00 **Dinner Reception at the Foyer of the Art Museum Bonn**
hosted by the UAE Space Agency (no pre-registration required, business attire)
Address: Bundeskunsthalle, Helmut-Kohl-Allee 4, 53113 Bonn (walking distance)

DAY 2, Wednesday, 04 December 2024

8:00 – 9:00

REGISTRATION AND COFFEE

Session III: Sustainable Space Activities

Master of Ceremony: Franziska Knur

"We are living through an age of increased access to and activities in outer space. The growth in the number of objects in outer space, the return of humans to deep space, and our expanding reliance on outer space systems demand urgent action... The opportunities for people and planet are enormous, but there are also risks that must be managed." (Action 56 of the Pact for the Future). The session discusses initiatives to enhance the safety and sustainability of space activities.

9:00 – 9:15

KEYNOTE: The Importance of Space Safety

Ms. Aarti Holla-Maini United Nations Office for Outer Space Affairs

9:15 – 10:00

PANEL 4: Keeping Space Clean – New Approaches to Space Debris Mitigation

Ms. Ulpia Botezatu Romanian Space Agency

Ms. Dorota Englender European Space Agency

Mr. Stefan Frey Vyoma Germany

Ms. Carolin Frueh Purdue University United States

Moderator: **Mr. Ernst Pfeiffer** HPS Group Germany

10:00 – 10:45

PANEL 5: Cleaning Space Up – Prospects and Challenges of Active Debris Removal

Ms. Camilla Colombo Politecnico Milano Italy

Mr. Pat Mathewson Astroscale United Kingdom

Ms. Olga Stelmakh-Drescher Exolaunch Germany

Mr. Raman Umamaheswaran DoSpace India

Moderator: **Mr. Manuel Metz** German Space Agency

10:45 – 11:15

COFFEE BREAK

11:15 – 12:05

PANEL 6: Global Initiatives towards Zero Debris

Mr. Muryah Alshahrani Saudi Space Agency

Mr. Ray Fielding UK Space Agency

Mr. Rodrigo Leonardi Brazilian Space Agency

Ms. Marta Salieri European Space Agency

Moderator: **Mr. Nicholas Shave** Astroscale United Kingdom

12:10 – 13:00

PANEL 7: Advancing a Multilateral Approach to Space Traffic Management

Mr. Pascal Faucher EU Space Surveillance and Tracking

Ms. Laura Jamschon Mac Garry University of Buenos Aires, Argentina

Mr. Roger McNamara American Institute of Aeronautics and Astronautics

Ms. Maruska Strah Slovenian Space Office

Mr. Gabriel Swiney US Department of Commerce

Moderator: **Mr. Martin Reynders** German Space Agency

13:00 – 14:15

LUNCH BREAK

DAY 2 (continued), Wednesday, 04 December 2024



13:15 – 14:00 **Lunch Break Event “Orbital Cleanup. Exploring Solutions for Space Debris”**
organized by the Federation of German Industries (BDI) New Space Initiative

Session IV: Sustainable Lunar Explorations

Master of Ceremony: Markus Woltran

The first United Nations Conference on Sustainable Lunar Activities in June 2024 saw a diverse range of stakeholders engage in constructive dialogue on the conduct of activities on and around celestial bodies in accordance with international law and in a safe, sustainable and peaceful manner. The session will follow up on mission plans and investigate meaningful approaches to information exchange and the involvement of all relevant stakeholders.

14:15 – 14:30 **KEYNOTE: Planned Lunar Activities**

Mr. Salem Al Marri Mohammed Bin Rashid Space Centre United Arab Emirates

14:30 – 15:30 **PANEL 8: Avoiding Terrestrial Mistakes – Sustainable Lunar Activities**

Ms. Kate Breach iSpace Luxembourg

Mr. Fei Lingi China National Space Administration

Mr. Gustavo Medina Tanco Instituto de Ciencias Nucleares Mexico

Ms. Mamta Patel Nagaraja National Aeronautics & Space Administration United States

Ms. Sarah Pacey-Parker Canadian Space Agency

Mr. Philipp Reiss Munich University of Technology Germany

Moderator: **Ms. Gina Petrovici** German Space Agency

15:30 – 16:00 COFFEE BREAK

16:00 – 17:00 **PANEL 9: Paving the Way for Coordination and Cooperation – Information Exchange on Lunar Activities**

Ms. Aleksandra Bukala Polish Space Agency

Ms. Soyoung Chung Korea Aerospace Research Institute

Mr. Olavo de Neto Bittencourt International Institute for Space Law Brazil

Mr. Antonino Salmeri Lunar Policy Platform Italy

Moderator: **Mr. Steven Freeland** Western Sydney University Australia

17:10 – 18:00 **PANEL 10: Balancing the Needs of Science and Industry**

Ms. Anke Kaysser-Pyzalla German Aerospace Center

Mr. Andrew Rush Star-Catcher United States

Mr. Tim Stevenson Square Kilometre Array Observatory

Ms. Shereen Zorba United Nations Environment Programme

Moderator: **Ms. Mila Alejandra Francisco Ferrada** Permanent Mission of Chile to the UN and International Organisations in Vienna

19:30 – 22:00 **Dinner Reception at the Historic City Hall Bonn**

hosted by Peru (pre-registration required! Business attire)

Address: Altes Rathaus, Markt 2, 53111 Bonn (bus transfer for registered participants)

DAY 3, Thursday, 05 December 2024



8:00 – 9:00

REGISTRATION AND COFFEE

Session V: Implementation of the Pact for the Future

Master of Ceremony: Markus Woltran

Action 56 of the Pact for the Future reads: “We decide to: (a) Reaffirm the importance of the widest possible adherence to and full compliance with the 1967 Outer Space Treaty and discuss the establishment of new frameworks for space traffic, space debris and space resources through the Committee on the Peaceful Uses of Outer Space; (b) Invite the engagement of relevant private sector, civil society and other relevant stakeholders, where appropriate and applicable, to contribute to intergovernmental processes related to the increased safety and sustainability of outer space.” The session will discuss how to meet these objectives at COPUOS.

9:00 – 11:00

PANEL 11 Continuing the Outer Space Dialogue: The Multilateral Way Forward on Space Governance

OPEN DISCUSSION WITH INVITED SPEAKERS AND ADDITIONAL CONTRIBUTIONS FROM THE FLOOR

Moderator: **Mr. Niklas Hedman** Committee on Space Research COSPAR, former Chief Committee, Policy and Legal Affairs Section and former Acting Director of the UN Office for Outer Space Affairs

11:00 – 11:30

COFFEE BREAK

Closing

Master of Ceremony: Gina Petrovici

11:30 – 13:00

Mr. Andreas Mogensen ESA astronaut & **ESA Astronaut Reserve**
Ms. Ulpia Botezatu Romanian Space Agency & Chair of the UNCOPUOS STSC
Mr. Madin Maseh Maldives Space Research Organisation
Representative Host UN World Space Forum 2025
Ms. Aarti Holla-Maini United Nations Office for Outer Space Affairs
Mr. Marco-Alexander Breit Federal Ministry for Economic Affairs and Climate Action
& **Mr. Walther Pelzer** German Space Agency

13:00 – 14:00

LUNCH

13:00 – 17:00

Technical Tour to DLR and ESA Cologne
(Pre-registration required! Bus transfer for registered participants)

14:00 – 18:00

Workshop on the Contributions of the Youth to Sustainable Space Activities
organized by the European Center for Space Law (ECSL) and Space Generation Advisory Council (SGAC), Upper Conference Room

Poster Exhibition

Have a look! A poster exhibit in the atrium allows participants to present and exchange additional ideas and initiatives related to the conference theme “Sustainable Space for Sustainability on Earth”.

SPACEBUZZ ONE

Ready for lift-off? Experience a breathtaking flight into space with the SPACEBUZZ ONE! Take a seat on the movable seats, put on VR goggles and experience a 15-minute virtual space flight. Exclusively for participants of the conference and UN campus staff. Information to book a time slot will be provided on site.

