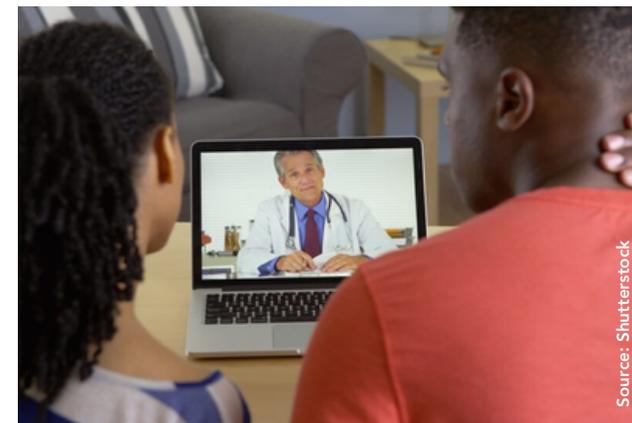




SPACE LAW FOR NEW SPACE ACTORS FACILITATES

Space Law and Policy Technical Advisory Missions, and helps Member States implement international treaties and commitments stemming from the Committee on the Peaceful Uses of Outer Space. In developing expertise on international space law, and engaging key decision-makers on the benefits of robust regulation, UNOOSA supports emerging space-faring nations gain the legal tools to underpin their national space activities, which builds trust and confidence for investors and fosters the sustainable use of outer space.



SPACE AND GLOBAL HEALTH is the focus of the General Assembly 77/120, which encourages greater coordination and cooperation among all relevant actors in key space activities regarding global health that foster the exchange of ideas & data between the space and health sectors. UNOOSA works to strengthen capacity-building and networking in these areas across the globe.



PARTNERSHIPS with Member States are essential for UNOOSA's role as Secretariat of the Committee on the Peaceful Uses of Outer Space, which has negotiated global governance of outer space activities, and in our provision of unique to opportunities to access the benefits of space policy, science, and technology. From deploying satellites from the International Space Station, to developing space law, as well as the use of earth observation to tackle climate change, UNOOSA's programme supports all Member States on their space-faring journey.



SPACE SOLUTIONS COMPENDIUM IS an online database of space solutions in support of the SDGs. The Compendium contributes to sharing good practices, establishing partnerships with industry, and empowering Member States to access and understand how space-based solutions can be used to achieve the sustainable development goals. Space agencies are welcome to submit solutions for the SCC.

United Nations Office for Outer Space Affairs & the SUSTAINABLE DEVELOPMENT GOALS

"The safe, peaceful, and sustainable use of outer space is vital for sustainable development here on Earth. By facilitating international cooperation in the Committee on the Peaceful Uses of Outer Space, or as a capacity-builder, UNOOSA provides unique opportunities to use space-based assets to implement the SDGs and improve the lives of their citizens."

Aarti Holla-Maini, UNOOSA Director

UNOOSA and space contribute to the SDGs through:

- 1 NO POVERTY** promoting space data for census mapping, aid provision, and sustainable utilisation of natural resources.
- 2 ZERO HUNGER** improving food security & supporting the use of remote sensing for agriculture, forestry, fishing, and irrigation.
- 3 GOOD HEALTH AND WELL-BEING** harnessing space for tele-medicine & education, -19 recovery, and improving quality of life.
- 4 QUALITY EDUCATION** offering unique fellowships & opportunities to launch satellites and conduct experiments in outer space.
- 5 GENDER EQUALITY** empowering women in space through UNOOSA's Space4Women mentorship programme.
- 6 CLEAN WATER AND SANITATION** using space for sustainable management of water to address diseases, pollution, drought, and water scarcity.
- 7 AFFORDABLE AND CLEAN ENERGY** identifying optimal sites for solar farms and the use of nuclear power in space.
- 8 DECENT WORK AND ECONOMIC GROWTH** promoting socioeconomic prosperity by establishing space-capable workforces and industries.
- 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE** supporting trade, transport, and security through global navigation satellite systems.
- 10 REDUCED INEQUALITIES** space technologies connect remote communities to services, education and work opportunities.
- 11 SUSTAINABLE CITIES AND COMMUNITIES** promoting the use of space data and technologies to sustain an 8 billion population.
- 12 RESPONSIBLE CONSUMPTION AND PRODUCTION** promoting the safe & sustainable use of space, and preserving the space environment for future generations.
- 13 CLIMATE ACTION** coordinating international efforts for climate monitoring, adaptation, mitigation and resilience.
- 14 LIFE BELOW WATER** fostering awareness in using space applications to protect marine life, & addressing coral bleaching & oil spills.
- 15 LIFE ON LAND** monitoring land-use, poaching, biodiversity, forest fire risk, smuggling routes, and protecting vulnerable species.
- 16 PEACE, JUSTICE AND STRONG INSTITUTIONS** fostering robust regulation & national legislation in line with international space law.
- 17 PARTNERSHIPS FOR THE GOALS** establishing partnerships with space agencies, UN entities, civil society, and industry for international cooperation.



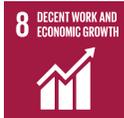
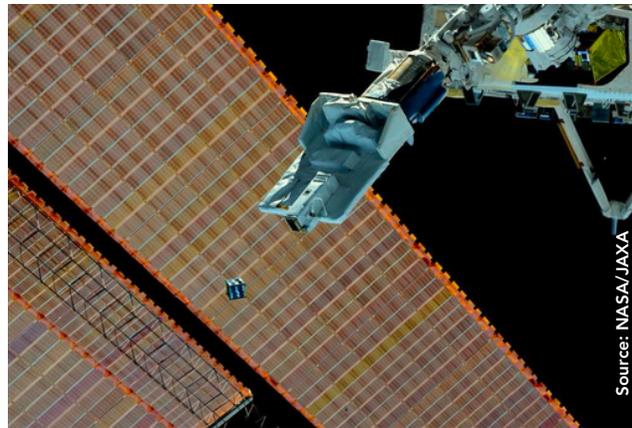
UN-SPIDER EMPOWERS countries to utilise Earth Observation, communications, and navigation satellites to build institutional resilience in all the phases of the disaster management cycle. Guidance is given on how to invoke International Emergency Response Mechanisms and strengthen national capacities in the use of space.



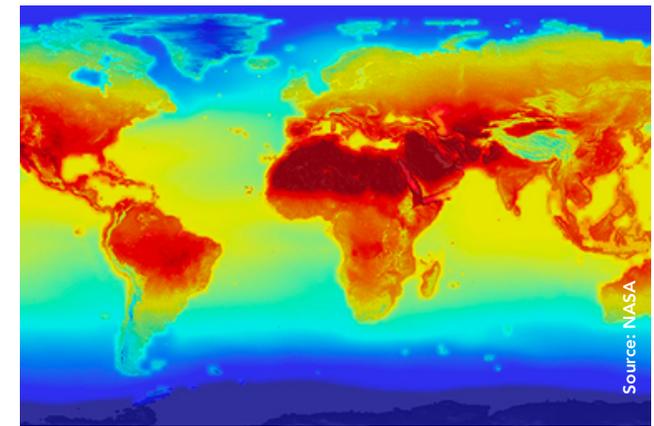
SPACE4WOMEN PROMOTES access to space as well as Science, Technology, Engineering, and Mathematics education and careers for women and girls around the world. Only 1 in 5 space industry workers are women and women make up only 11% of astronauts globally. To address this disparity, Space4Women brings together over 152 mentors to support their mentees in pursuing space as a career.



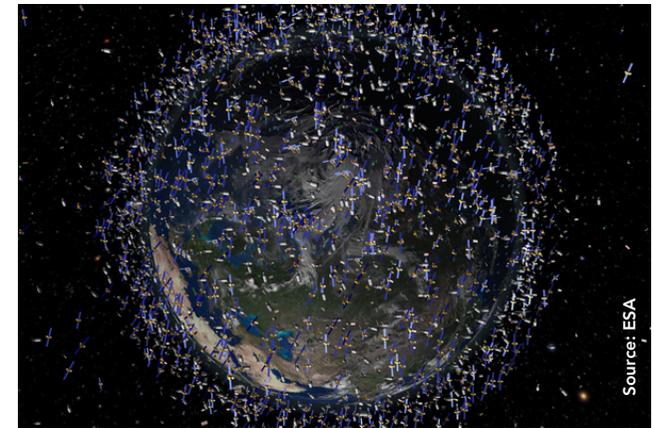
SPACE4WATER IS an inter-disciplinary, multi-stakeholder platform connecting experts in the use of space technology for water. UNOOSA maintains a web, multi-stakeholder platform connecting experts in the use of space tech for water. UNOOSA maintains an online hub, hosts meetings and an annual scientific conference series. Examples of space tech for water include monitoring surface water extent, groundwater resources, and drought monitoring based on satellite data.



ACCESS TO SPACE FOR ALL PROVIDES unique opportunities for Member States to access the benefits of space science, technology, and applications. UNOOSA's partnerships support hands-on opportunities on Earth and on-orbit, such as experiments in hypergravity and microgravity conditions; the development and deployment of small satellites; and educational programmes like fellowships. The knowledge and skills gained can help build a space-capable workforce and bring socioeconomic benefits.



SPACE4CLIMATE ACTION FULFILLS a niche role in facilitating international cooperation and the wider use of space-based technologies to implement climate change mitigation, adaptation, and resilience initiatives. UNOOSA delivers targeted capacity-building, hosts an online portal, and developed a strategic mapping exercise "International Efforts using Space for Climate Action", which supports policy-makers to develop multilateral strategies, partnerships, and research.



THE UN REGISTER OF OBJECTS LAUNCHED INTO OUTER SPACE is a key transparency mechanism, and as a treaty obligation, it helps Member States and industry understand the fundamental question of "Who owns what in space?". Member States registered 2050 functional space objects (probes, satellites, etc.) in 2022. UNOOSA maintains the Register on behalf of the Secretary-General.

