

Role of United Nations in Space Sector

Space for SDGs



UNITED NATIONS
Office for Outer Space Affairs

Space is open for everyone
Daejeon, Republic of Korea, August 2022

Natercia Rodrigues
Chief, Office of the Director



Economy

Space economy valued at over **\$400 billion** – projections in 2040s at \$1-\$2.7 trillion

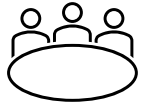
Commercial space activities are quickly growing, representing around 80% of the overall value

Private companies seeking to continue **expanding** to domains exclusively occupied by governments in the past

Satellites contribute to more than **10% of GDP** in advanced economies

Satellites will be instrumental **for post Covid-19 recovery** and in the push to **greener economy**

Space@UN



UN Committee on Peaceful Uses of Outer Space – 60 years



Peaceful, safe and sustainable outer space



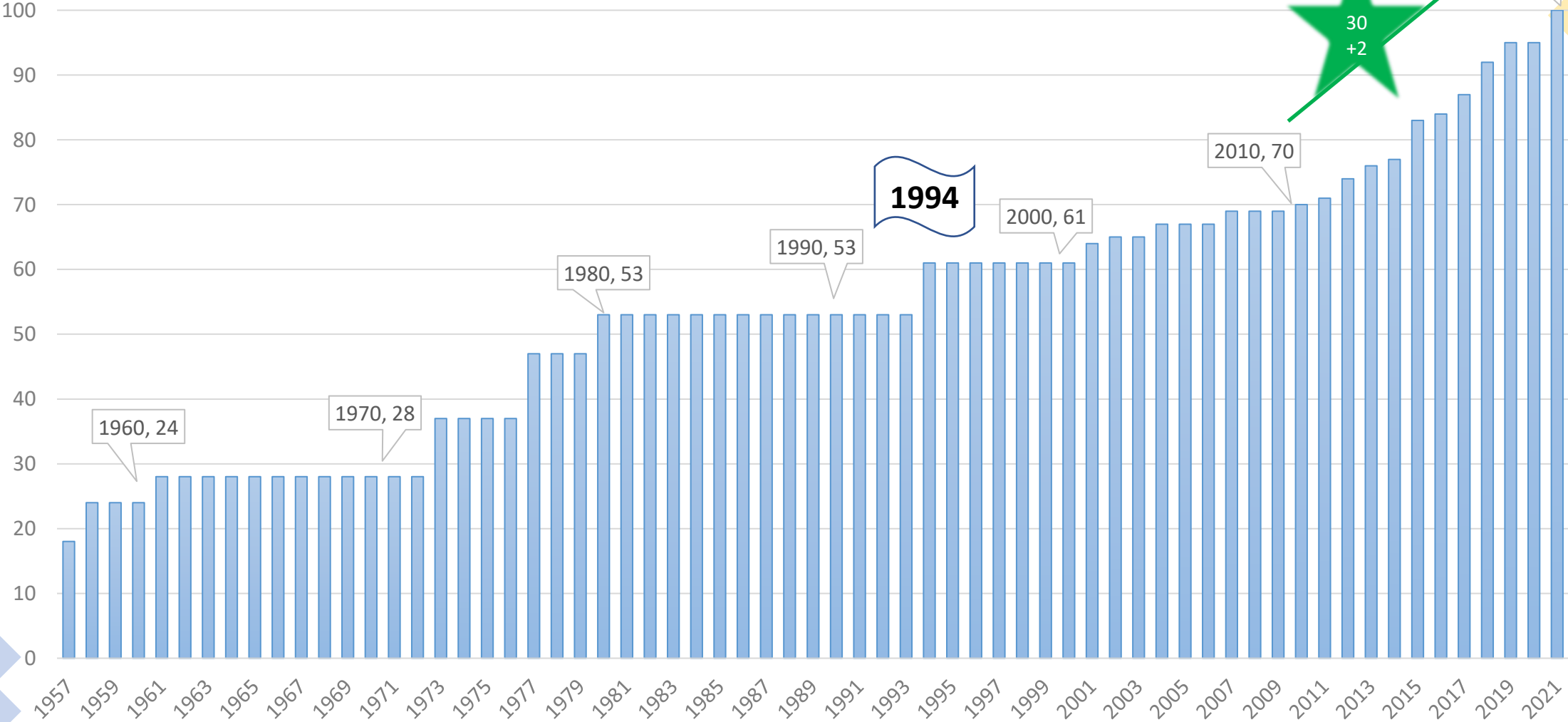
International cooperation



Development and implementation of the **international legal regime** in outer space - core of global space governance



Countries joining the UN Space Committee



Agent of Change

- **Space** is one of **key tools** to address **global challenges**
- 65/169 SDG targets (almost 40%) depend on **geolocation and Earth observation**.
- **Space measures > 50%** Essential Climate Variables
- New technologies help/improve **decision-making** processes
- **Satellites used** by many industries and for human activities, **improve well-being**
- Inspires, drives innovation; new careers and learning; requires governance; international cooperation

<http://unoosa.org/oosa/en/ourwork/space4sdgs/index.html>



UNOOSA - home for space at the UN



Secretariat to COPUOS



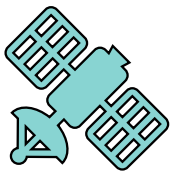
International
Committee on Global
Navigation Satellite
Systems (ICG)



Space Mission Planning
Advisory Group
(SMPAG)



UN Space Coordination



Programme on Space
Applications

UN-SPIDER
www.un-spider.org

UN Platform for Space-based
Information for Disaster
Management and Emergency
Response



UN Register of Space Objects



Space for
Women



Access to Space
for All



UN-SPIDER



Space for
Climate Action



Space for
Persons with
Disabilities



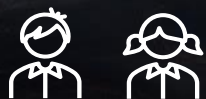
Space Economy



Space
Exploration



Space for Water



Space for Youth



Space
Sustainability



International
Committee on
GNSS



Space Law for
New Space
Actors

Capacity-Building



Unlocking the power of satellites

Space4Climate Action

Objectives of **Space 4 Climate Action** initiative:



Promote, strengthen and deliver targeted capacity-building and technical advisory activities.



Facilitate multi-stakeholder **collaboration**.



Promote efforts to encourage the **use of space for climate action** from local to national to international levels.



More info: www.unoosa.org



Working towards an inclusive workforce

Space4Women



Increase access to STEM and space education and jobs by:



Promoting a **mentoring platform** and a **Space4Women Network** for advocacy and awareness raising



Providing policy-relevant **advice, research** and **data, knowledge** management, and evidence-based **awareness raising**, to institutions and governments



Facilitating **capacity-building** and **training** on access to and use of space-technology to train, generate skills, and foster knowledge



Communicating the opportunities of STEM education, and facilitating access to space education and careers



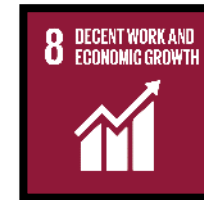
Empowering young women and girls to be the beneficiary of, and active and integral contributors to space solutions



Preparing the next generation

Space4Youth

- ❑ STEM fields are the **future of job market**
- ❑ Current young generation will **define and conduct the future of space** exploration
- ❑ Young people's perspectives are important **agents of change**
- ❑ UNOOSA helps youth **pursue and succeed** in **education or career** opportunities
- ❑ UNOOSA and SGAC provide a **platform** to **share** ideas and experiences
- ❑ UNOOSA and SGAC organized **essay competitions** in 2019, 2020 and 2021
- ❑ **2021** essay **competition** under "All4Climate Italy2021" as part of pre-COP26 and the Youth Climate Summit on the use of space for climate mitigation and adaptation.



SPACE FOR  YOUTH

More info: www.unoosa.org





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