

**ITUEvents**

# ITU in service of space

**28 June 2023**  
**Geneva, Switzerland**

[www.itu.int/go/ITU-R/ITU-in-Service-of-Space](http://www.itu.int/go/ITU-R/ITU-in-Service-of-Space)

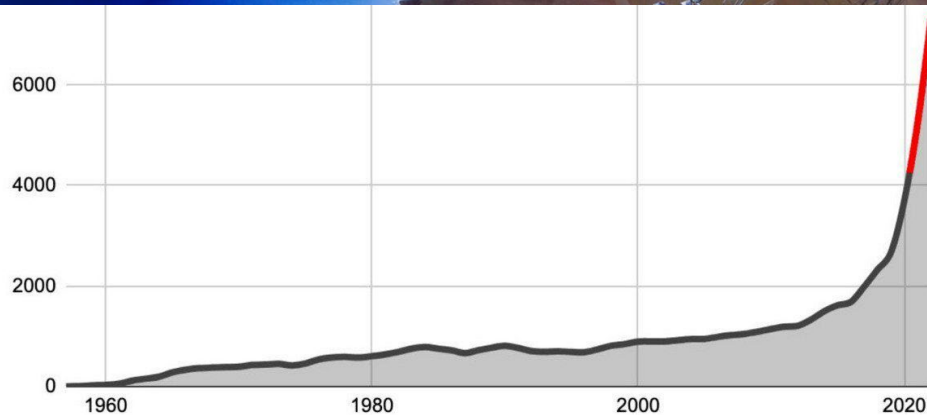


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**ITU-R Study Group 4**  
**Satellite services**



# Motivation for the Workshop



Created by Launcher (2022) - Source: Data from GCAT (J. McDowell) [planet4589.org/space/gcat](https://planet4589.org/space/gcat)

In recent years, the satellite industry has been developing at a very fast pace, evidenced by the large-scale implementation of non-GSO systems, the creation of a new-generation of high-capacity GSO satellites, the development of the satellite component of the IMT-2020 ecosystem, usage of satellites in cellular networks, new satellite services, etc... Member States are increasingly raising the issue of sustainability, equitable access and rational use of GSO and non-GSO orbit/spectrum resources. Resolution 219 (Bucharest, 2022) of the Plenipotentiary Conference reflects these concerns.



# Motivation for the Workshop

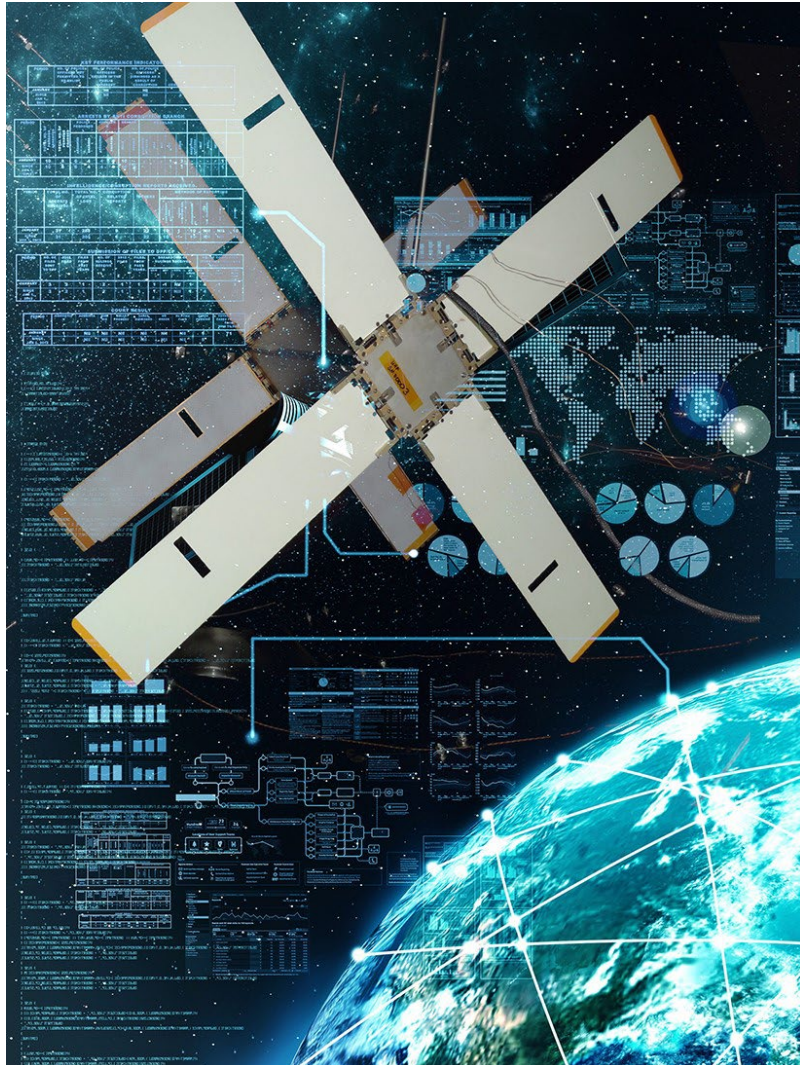


Currently there is already a visible trend where satellite technologies are significantly ahead of the development of regulations on the use of the radio-frequency spectrum and satellite orbits. Under these conditions, ITU faces challenges to find new approaches to improve international regulation on the use of the radio-frequency spectrum and satellite orbits.

**4.12.4 The uncertainty in the management of these large LEO satellite system filings also drove some ITU Member States to consider departing from ITU rules for satellite networks and systems as they created domestic policy, which could inadvertently conflict with the ITU basic instruments. Such policy and regulatory trends are particularly challenging for space and satellite infrastructures that are inherently global. Should national procedures deviate from the framework for equitable spectrum and orbit resources access embedded in the ITU basic instruments, they may lead to unresolvable and continuing harmful interference between satellite networks and systems, preventing the delivery of vital services to the population in need all over the world. Such approach may adversely affect Internet broadband access and much-needed support communications in the wake of disasters and emergencies.**

**(Draft Report by the Radio Regulations Board to WRC-23 on Resolution 80 (Rev.WRC-07))**

# Purpose of the Workshop



The purpose of this Workshop is to identify the needs of the satellite industry in developing ITU rules/procedures for regulating the use of the frequency spectrum/satellite orbits, to ensure the development and implementation of new satellite technologies while guaranteeing the equitable access and rational use of GSO and non-GSO orbit/spectrum resources. It will be an opportunity to exchange national experience in regulating the use of the frequency spectrum/satellite orbits and to identify the needs of Administrations in developing recommendations for licensing global satellite systems at the national level. In addition, information on the existing difficulties in the processing of frequency assignment filings for multi-satellite systems should be taken into account with the objective of identifying ways to improve the procedures of the Radiocommunication Bureau.

# Workshop program

1



**Voice of the satellite industry on the improvement of international rules and regulations for the use of the radio frequency spectrum and satellite orbits**

2



**National experience in regulating the use of the radio-frequency spectrum and satellite orbits and requests from administrations for recommendations on licensing the use of global services of satellite operators**

3



**Activities of the Radiocommunication Bureau to comply with the provisions of the Radio Regulations when notifying frequency assignments to satellite networks/systems**

4



**Consideration of proposals for the development of rules and regulations for the use of radio frequency spectrum and satellite orbits that meet the requirements of the satellite industry**



# Workshop expectations

Following the outcomes of the Workshop, proposals and recommendations are expected to be prepared on the ITU-R Study Group 4 work strategy for the next study period 2023 - 2027, in order to consider possible organizational options for improving the international regulatory mechanism on the use of the radio frequency spectrum and satellite orbits.



This workshop is not intended to make specific decisions or provide any guidance to the parties participating in the sessions. The workshop is, first of all, an exchange of opinions, experience and best practices in the management of the radio frequency spectrum and satellite orbits. The workshop is an objective rethinking of the current situation and consideration of proposals, ideas, thoughts and considerations on how to meet the needs of the satellite industry, how to help administrations in regulating the use of global non-GSO systems, how to turn the ITU into a decision-making center on key issues of using space technologies.



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