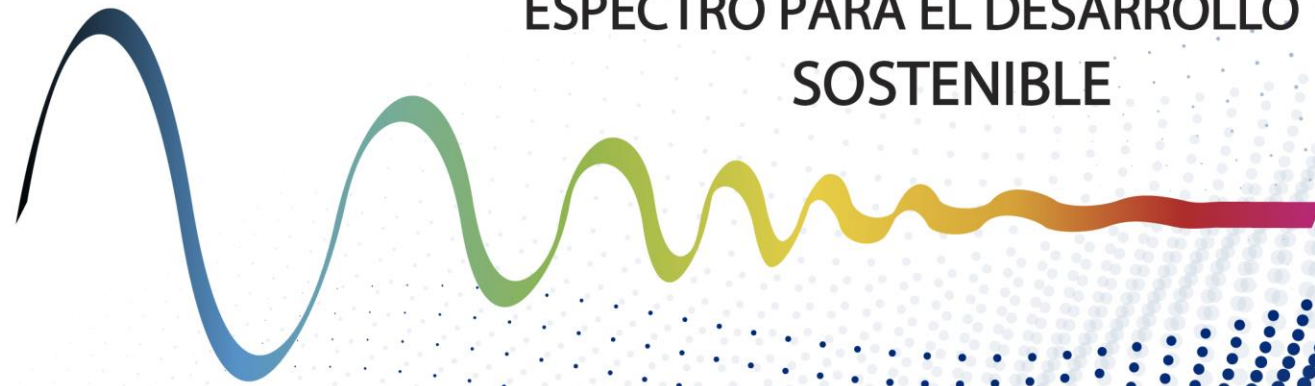


# 9º CONGRESO INTERNACIONAL DE ESPECTRO

ESPECTRO PARA EL DESARROLLO  
SOSTENIBLE



# Spectrum for 5G – across three ranges



Sub-1 GHz

1-6 GHz

AND ABOVE

6 GHz





# Spectrum for 5G – focus areas

1. 5G needs new harmonised and contiguous spectrum (80 to 100 MHz in mid-bands and around 1 GHz in mmWaves)
2. Across three ranges: below 1 GHz, between 1 and 6 GHz, and above 6 GHz
3. WRC-19 is vital to realising the 5G vision
4. Inflated spectrum prices should be avoided
5. Exclusive licensing should remain the core approach
6. Setting spectrum aside for verticals in prime bands could jeopardise the success of public 5G
7. Regulators must consult 5G stakeholders to ensure the success of awards
8. Governments and regulators need to adopt national spectrum policy measures to encourage long-term heavy investments



# Spectrum sharing needs careful planning

1. Sharing will only be useful for operators if the proposed band is harmonised for mobile use. It also must be available and usable in sufficient quantities in areas and at times where needed
2. Operators favour a simple sharing framework that is investment-friendly and supports reliable, high-quality mobile services
3. Mobile operators should not be prohibited from voluntarily sharing their spectrum to support faster services, improve coverage and drive innovation
4. Sharing can play a role in the 5G era, but poor implementation risks harming its potential
5. Regulators need to help incentivise incumbents in attractive bands to share
6. The framework should balance the current and future requirements of incumbents and sharers

