

# WRC-15 - Major outcomes and implications for spectrum users

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## Purpose of ITU WRCs

- Create regulatory certainty for a multi-trillion dollars industry which plays an increasingly important role in the development of our societies
- Mobile Industry among others. For the mobile industry, regional, and preferably global spectrum harmonization is essential to create economies of scale.
- This is why, since 1992, ITU World Radiocommunication conferences have worked to achieve this objective through new mobile frequency allocations and indentifications of spectrum for IMT.
- Creating certainty requires consensus in order to achieve stable results
- Requires time, efforts and patience.

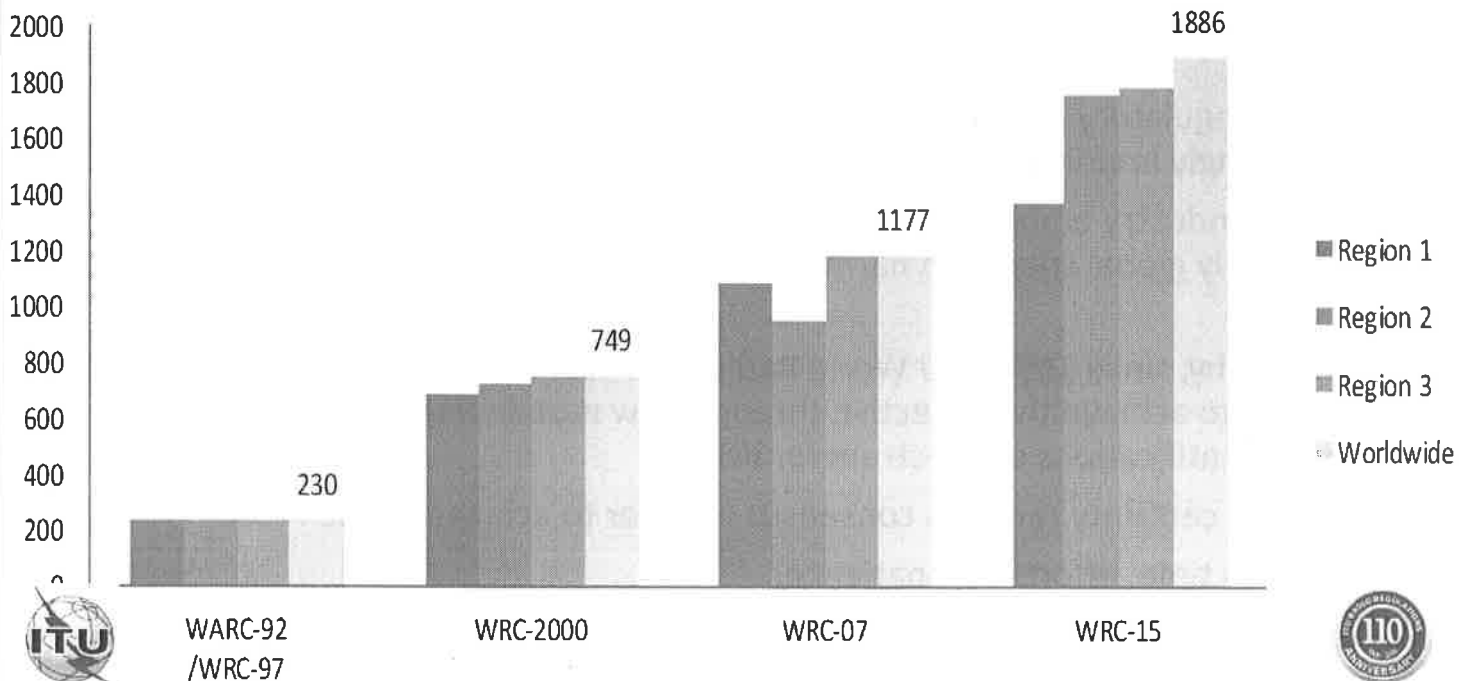


# Challenges

- Everybody is in favor of spectrum harmonization
- But
- Everybody wants it to be his own way
- The success of mobile broadband and its ubiquitous nature represents a threat of disruption to other services if IMT is identified in the same band, even though technical solutions may exist to share it between countries
- The main and success of WRC-15 was to:
  - Continue global harmonization for IMT **and**
  - Secure future access to spectrum by other services

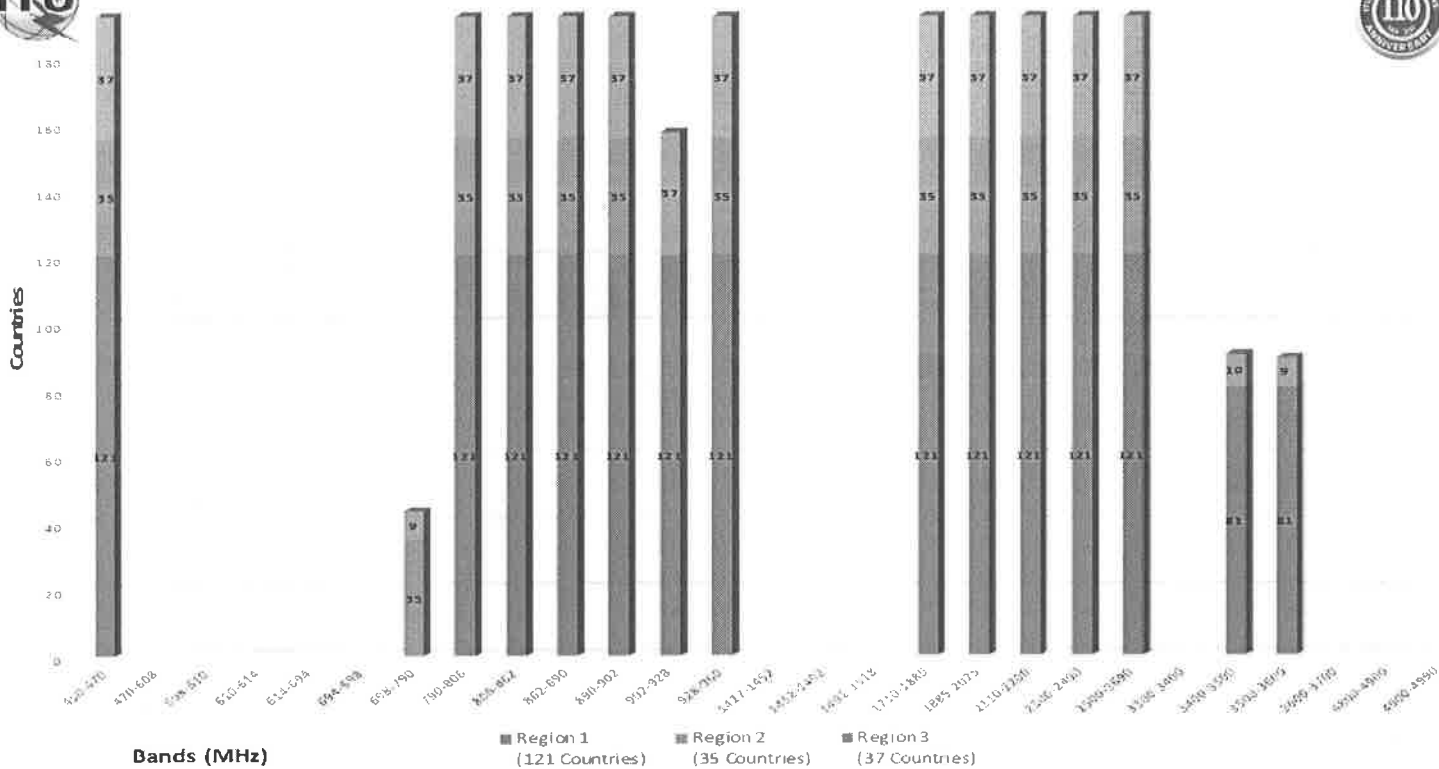


Total amount of spectrum identified for IMT (MHz)

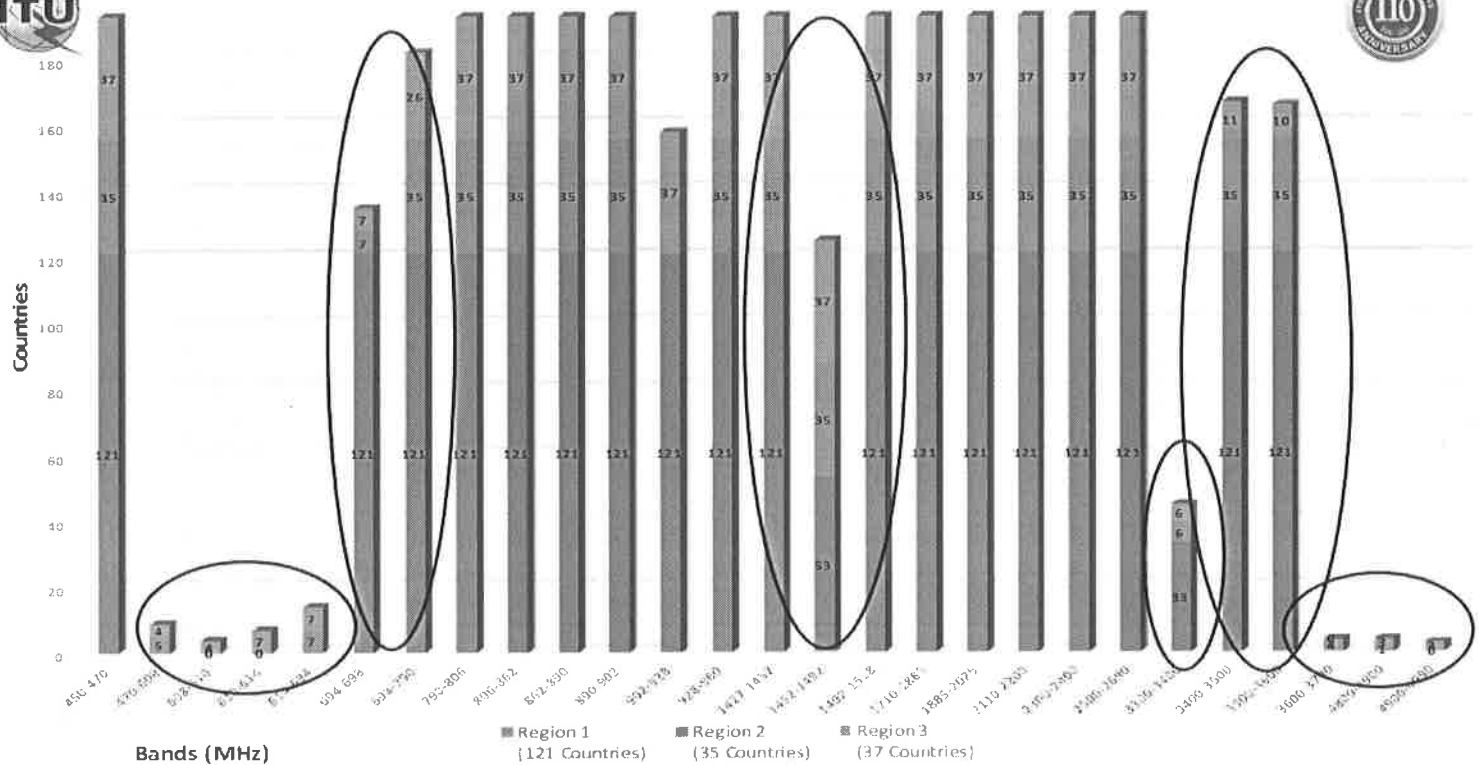




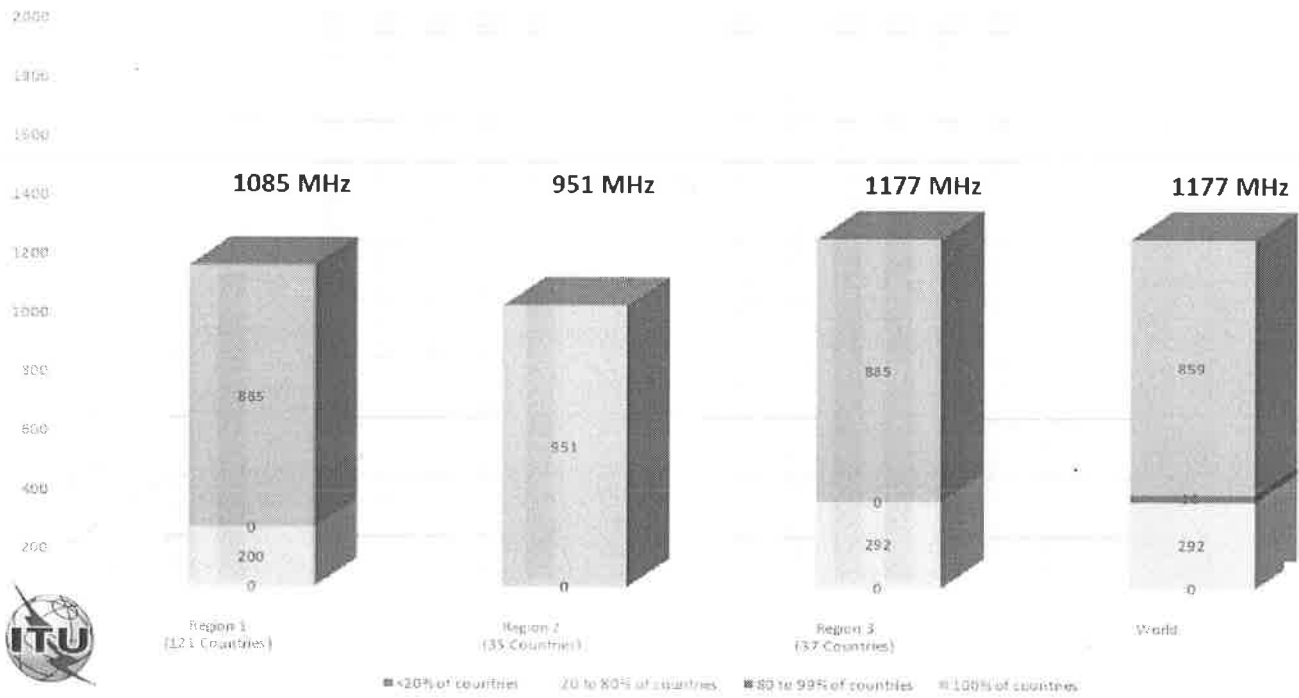
### IMT Bands after WRC-07 (Number of Countries Identified)



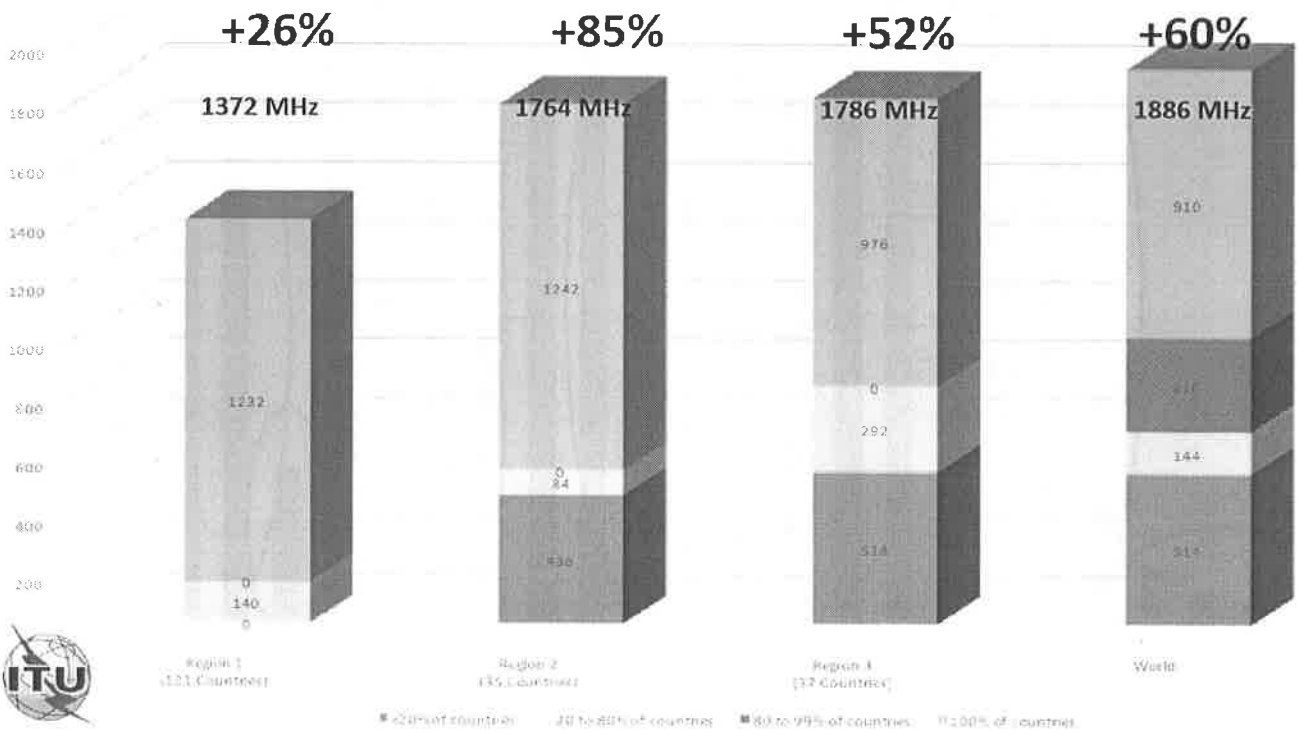
### IMT Bands after WRC-15 (Number of Countries Identified)



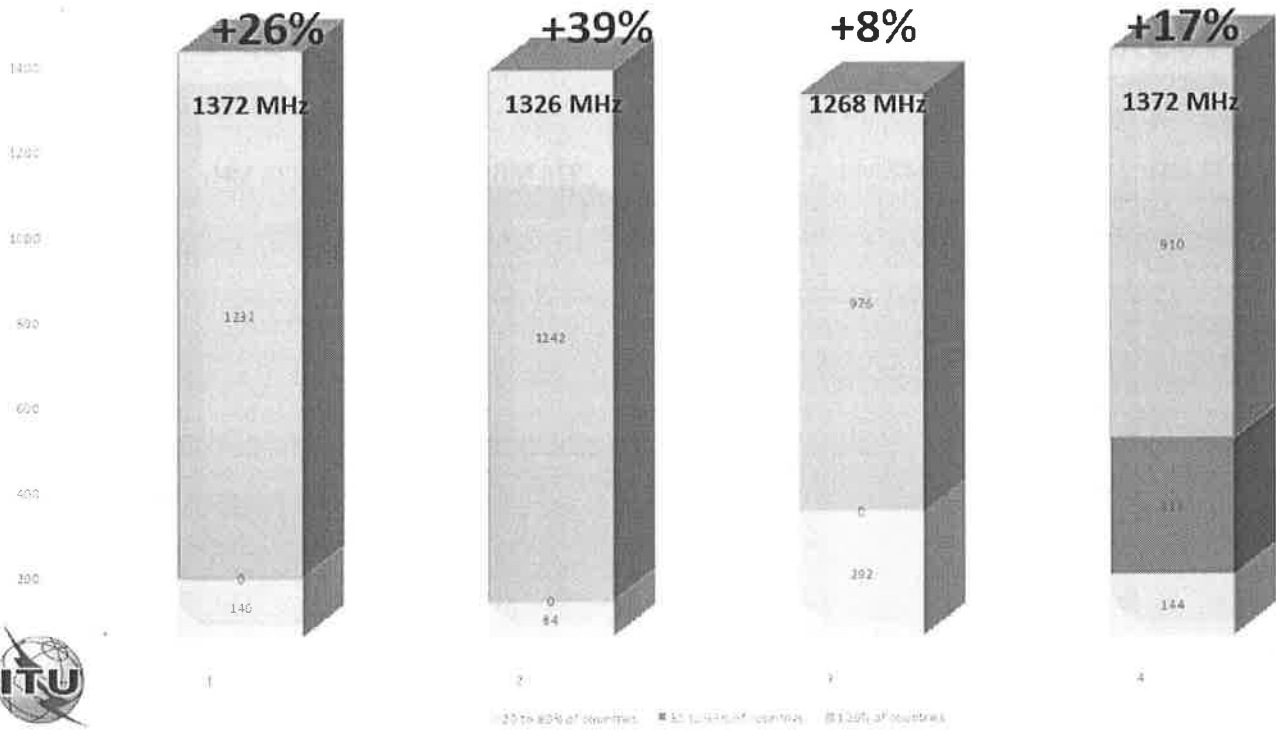
### IMT Spectrum after WRC-07 (MHz)



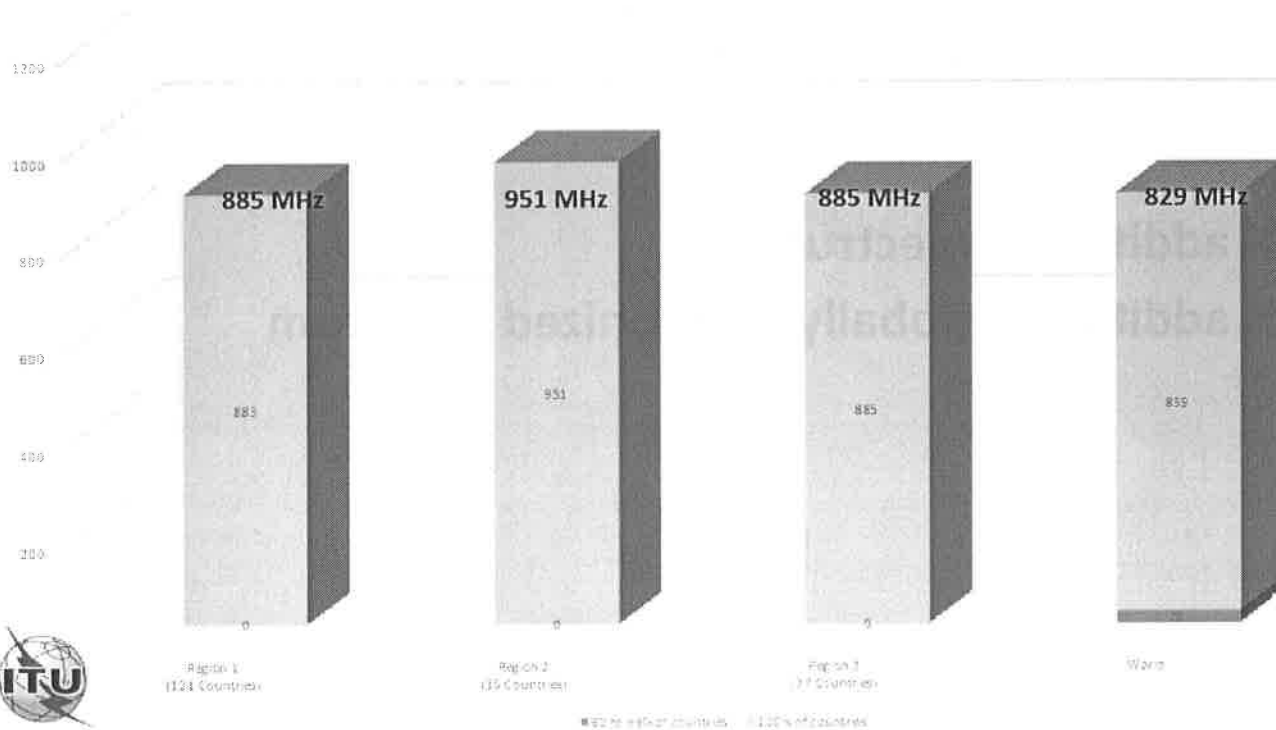
### IMT Spectrum after WRC-15 (MHz)



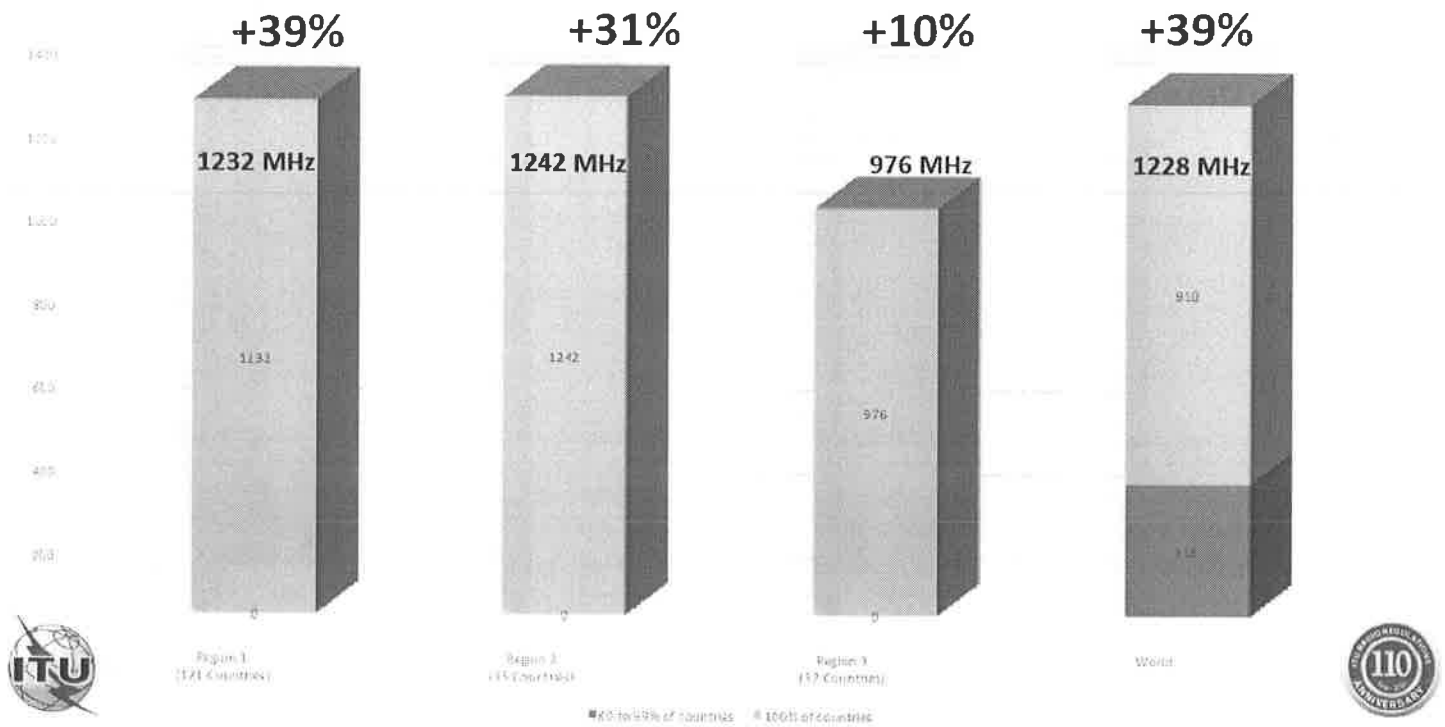
### IMT Spectrum after WRC-15 (MHz)



### IMT harmonized Spectrum after WRC-07 (MHz)



## IMT harmonized Spectrum after WRC-15 (MHz)

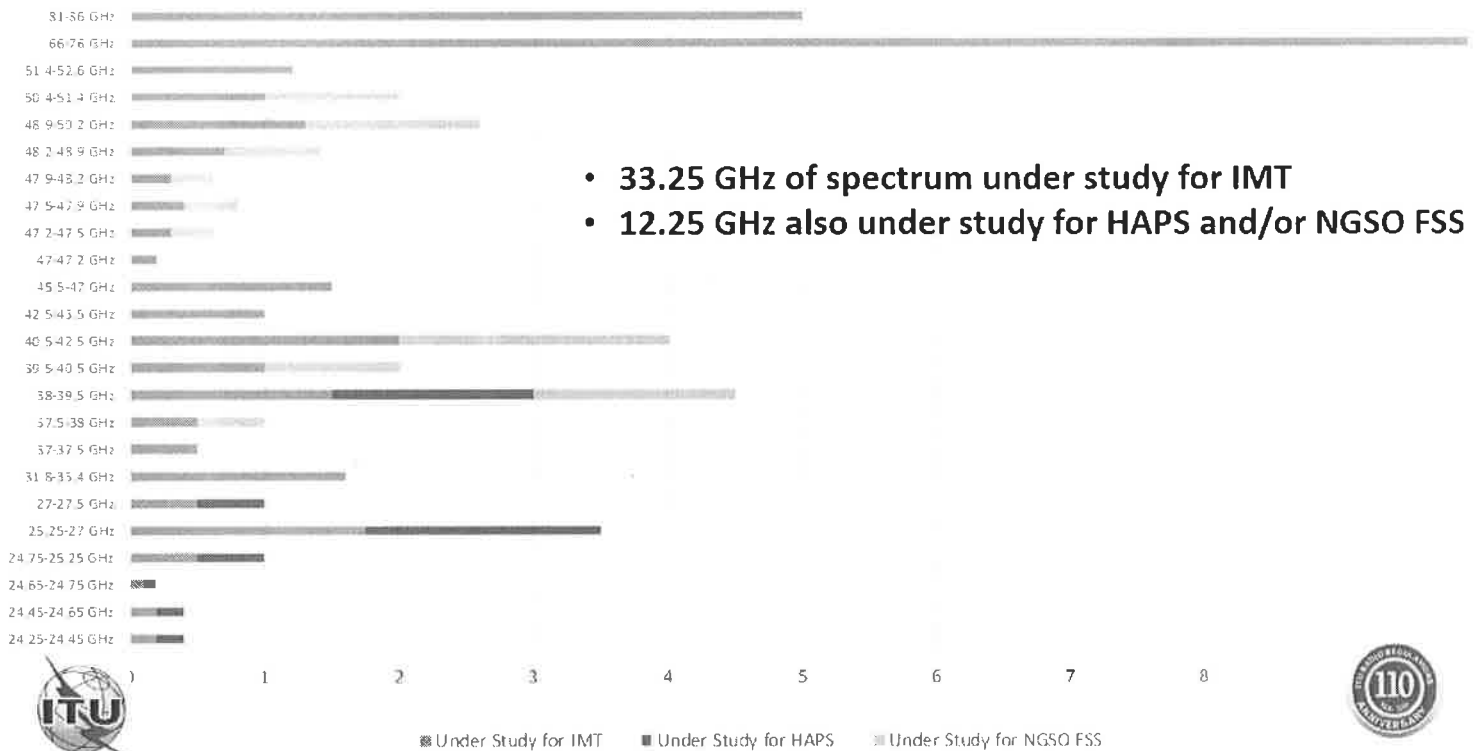


In Summary, WRC-15 identified for IMT

- 60% additional spectrum
- 39% additional globally harmonized spectrum



## Spectrum (GHz) under study for IMT identification by WRC-19

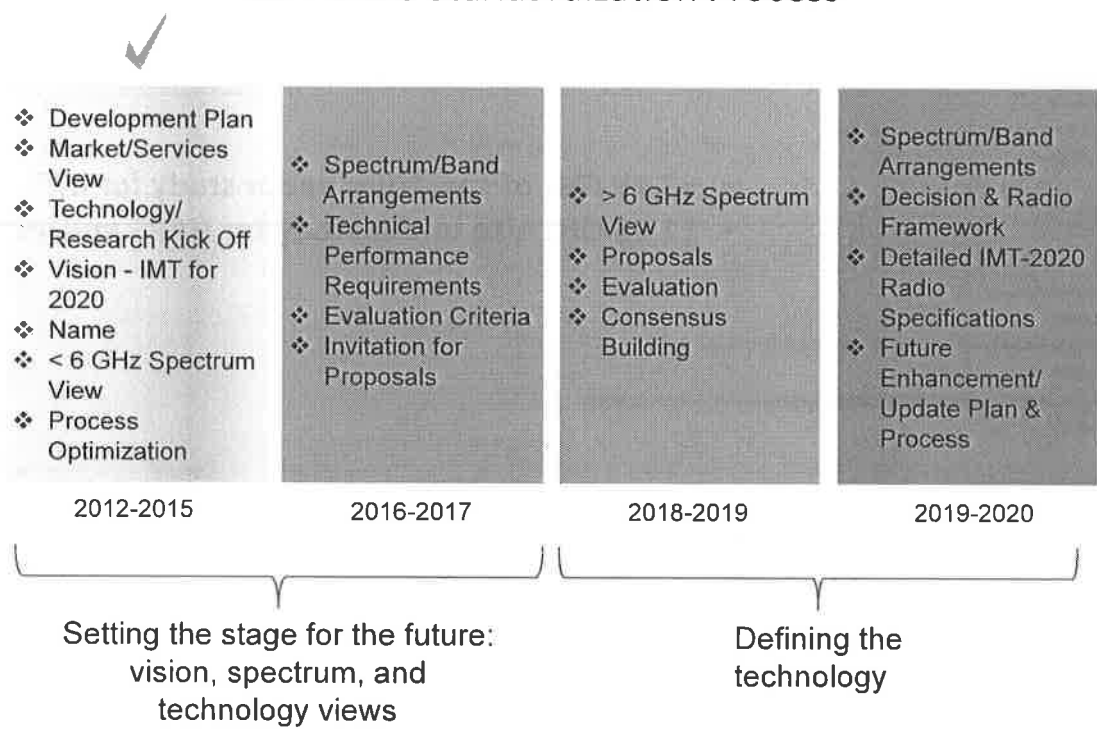


## Implications for mobile broadband users

- Reduction of the digital divide and greater availability of the service (lower bands)
- Greater capacity (higher bands)
- More affordable prices (economies of scale through harmonized spectrum)
- International roaming and interoperability
- Additional spectrum for 5G (IMT-2020) will also be addressed by WRC-19
- While securing the future of other services, which are key to the provision of broadband (broadcasting, fixed and fixed-satellite services)



## IMT-2020 Standardization Process



Thank you for your attention

