The socio-economic benefits of using the lower portion of the UHF band for IMT in Latin America

Latin America faces a serious mobile spectrum shortage which could result in a network slowdown

LICENSED mobile spectrum in 2013[1]

270MHz

1340MHz

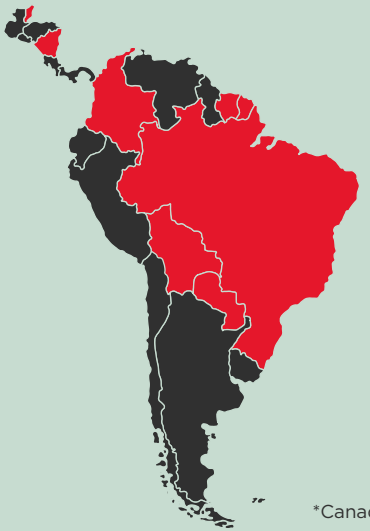
REQUIRED mobile spectrum by 2020[2]

The 700MHz band is currently being licensed in Latin America but could quickly reach capacity due to rapid mobile data growth

LATIN AMERICAN DATA GROWTH

55TB per month in 2012

723TB per month in 2017



The lower portion of the UHF band would provide vital support for the 700MHz band and already benefits from a primary mobile allocation in many countries

NO MOBILE ALLOCATION

MOBILE ALLOCATION

*Canada, Mexico and US favour a mobile allocation and IMT identification

The band reaches 20% further than the 700MHz band which would extend national mobile broadband coverage by 1.5-2.5%

3.7 MILLION

Number of additional people who could benefit from mobile broadband

The coverage improvements would deliver major infrastructure savings by reducing the number of base stations required

US$897 MILLION

Mobile network savings from 2015-2020

The price of mobile broadband could fall leading to a jump in new subscribers

1%

Fall in mobile broadband prices

19.35 MILLION

New subscribers

Improved access to higher quality and better value mobile broadband would have a major economic impact

US$49B

injected into the economy

47,000 NEW JOBS

US$2.8B

in new government revenues

ALMOST US$4B

CONSUMER SURPLUS

An IMT identification would provide the flexibility to eventually allow mobile broadband in a portion of the band and could include further provisions to protect broadcasting

1 Average amount of spectrum licensed to mobile services in Latin America towards the end of 2013
2 Minimum amount of spectrum the ITU predicts will be needed in 2020 (based on 1340-1960MHz range)

For more information visit: **www.gsma.com/spectrum4all** Email: **spectrum4all@gsma.com**

The full report is available from www.gsma.com/spectrum/resources