



CULLEN

INTERNATIONAL

700 MHz: Americas overview

4th Annual Latin America Spectrum Management Conference

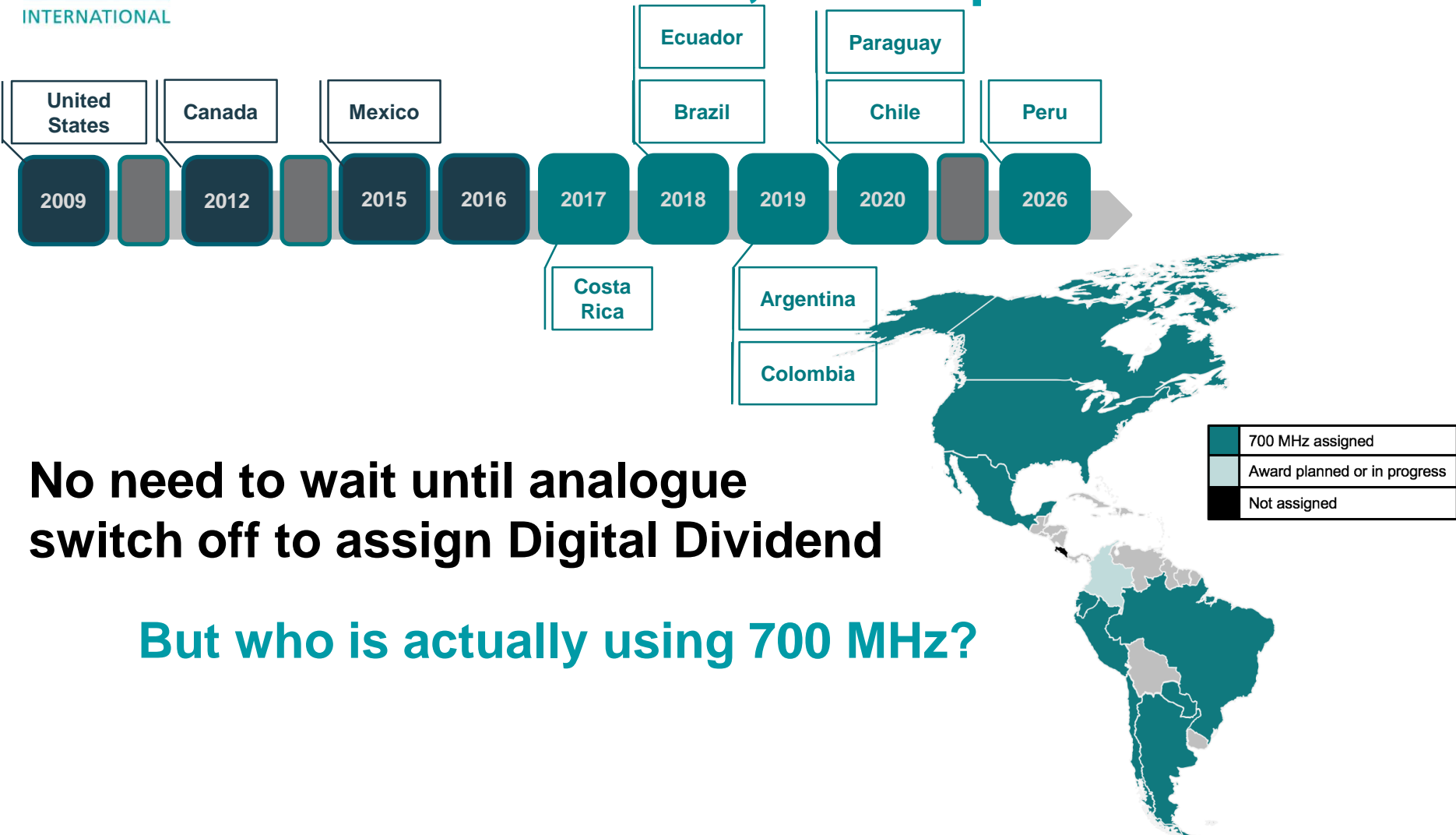
September 7, 2017

Bogota, Colombia

Carolina Limbatta, Cullen International

Analog switch off

Avoid interference, more spectrum available



No need to wait until analogue switch off to assign Digital Dividend

But who is actually using 700 MHz?

700 MHz

Status in the Americas

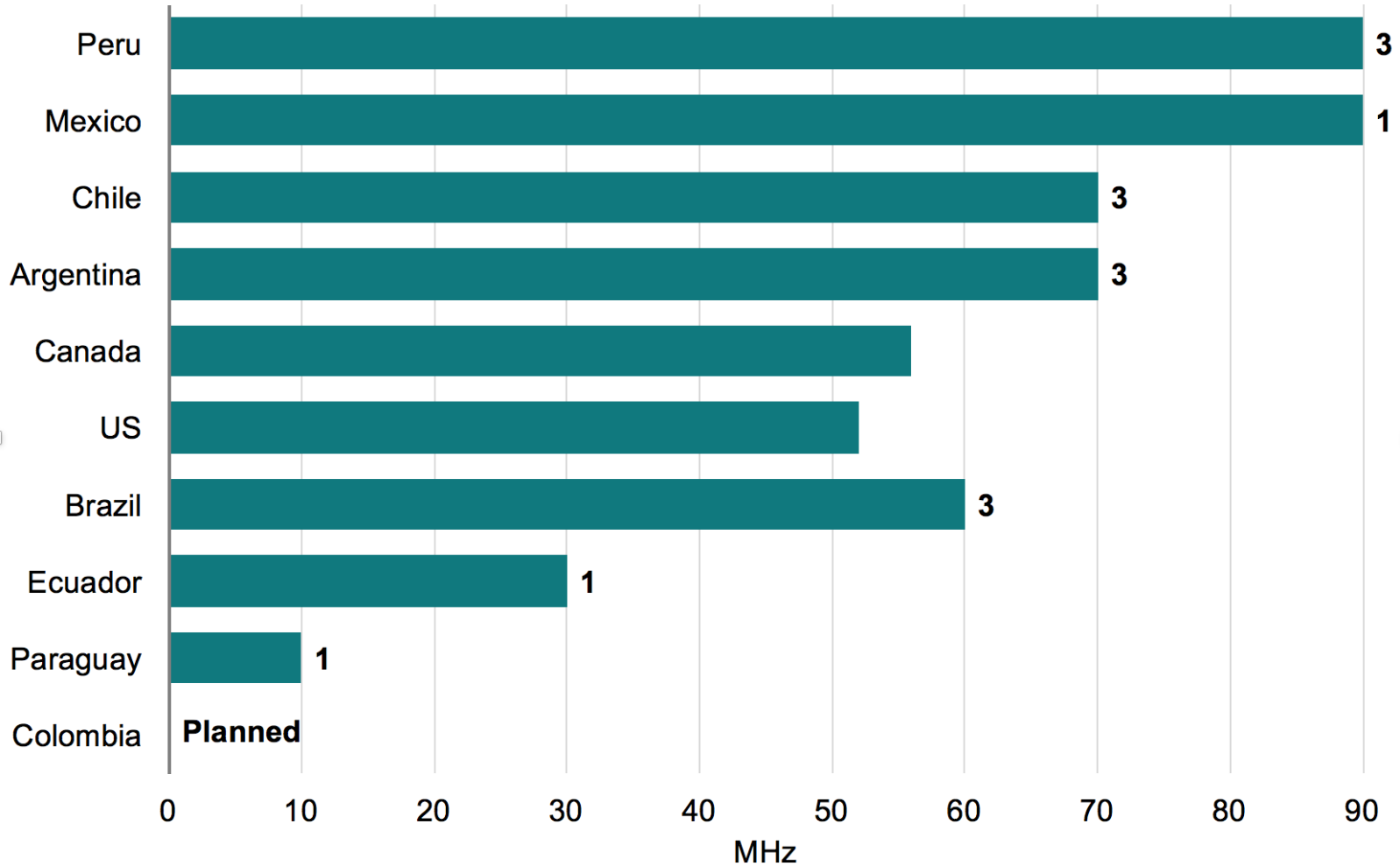
Country	Allocated to mobile?	Assigned?	Used?	DSO date
Argentina	2014	2014	No	2019
Brazil	2013	2014	Yes*	2018
Canada	2013	2014	Yes	2011**
Chile	2013	2014	Yes	2020
Colombia	2012	Proposed	-	2019
Costa Rica	2009	No	-	2017
Ecuador	2012	Part (2012)	Yes	2018
Mexico	2013	2017	No	2015**
Paraguay	2015	Part, rest proposed	No	2020
Peru	2014	2016	Yes*	2026
US	2005	2008	Yes	2009**

How many licences?



How much spectrum?

APT target: 90 MHz



Only national licences

700 MHz comes with obligations

Impact of coverage and other obligation set in 700 MHz licences

Country	Coverage	Others?
Argentina	Yes	Early migration
Brazil	Yes	Migration and interference mitigation costs
Canada	Yes	
Chile	Yes	Wholesale access: MVNO, NR
Colombia	Proposed	Proposed: Wi-Fi spots
Mexico	Yes	
Paraguay	Proposed	Proposed: wholesale access (NR, passive sharing), social obligations (TDT kits, Laptops, infocentres)
Peru	Yes	Migration costs
US	Yes	

Latest awards



Colombia proposed
draft rules



Paraguay proposed
draft rules



Uruguay assigned 90
MHz



THANK YOU!

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