

# 40 aniversario Asiet

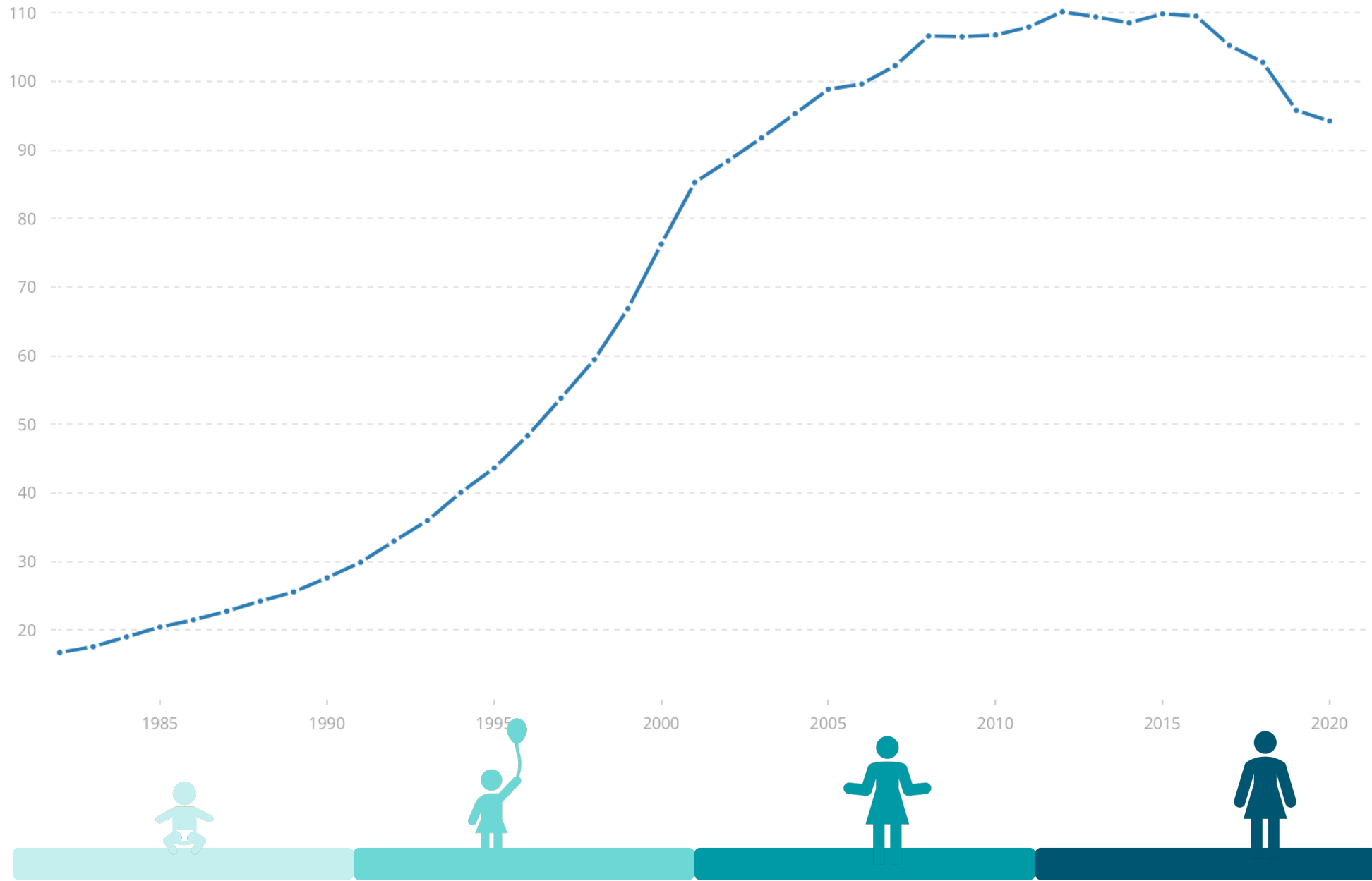
Paraguay - Julio 2022

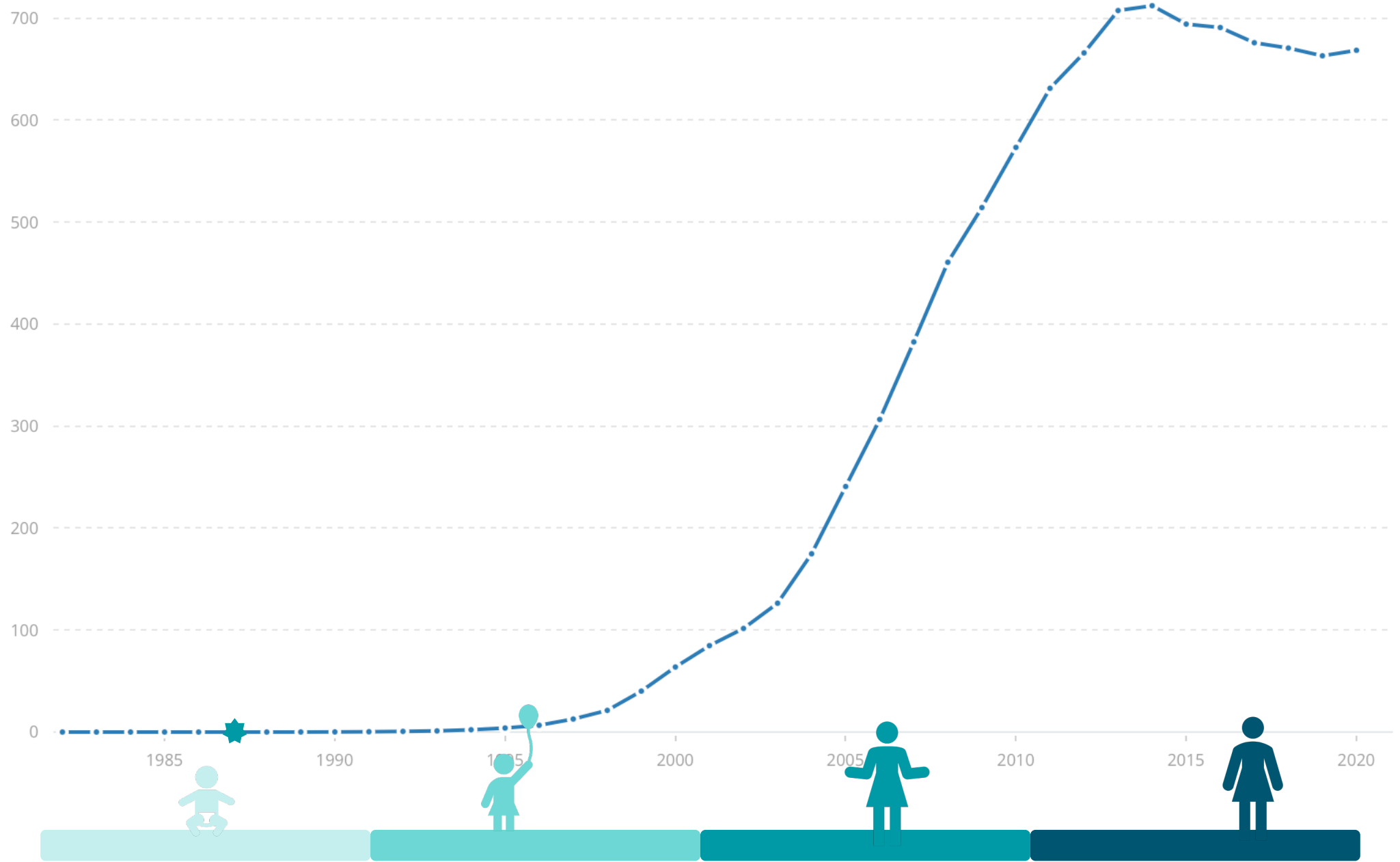
Carolina Limbatto

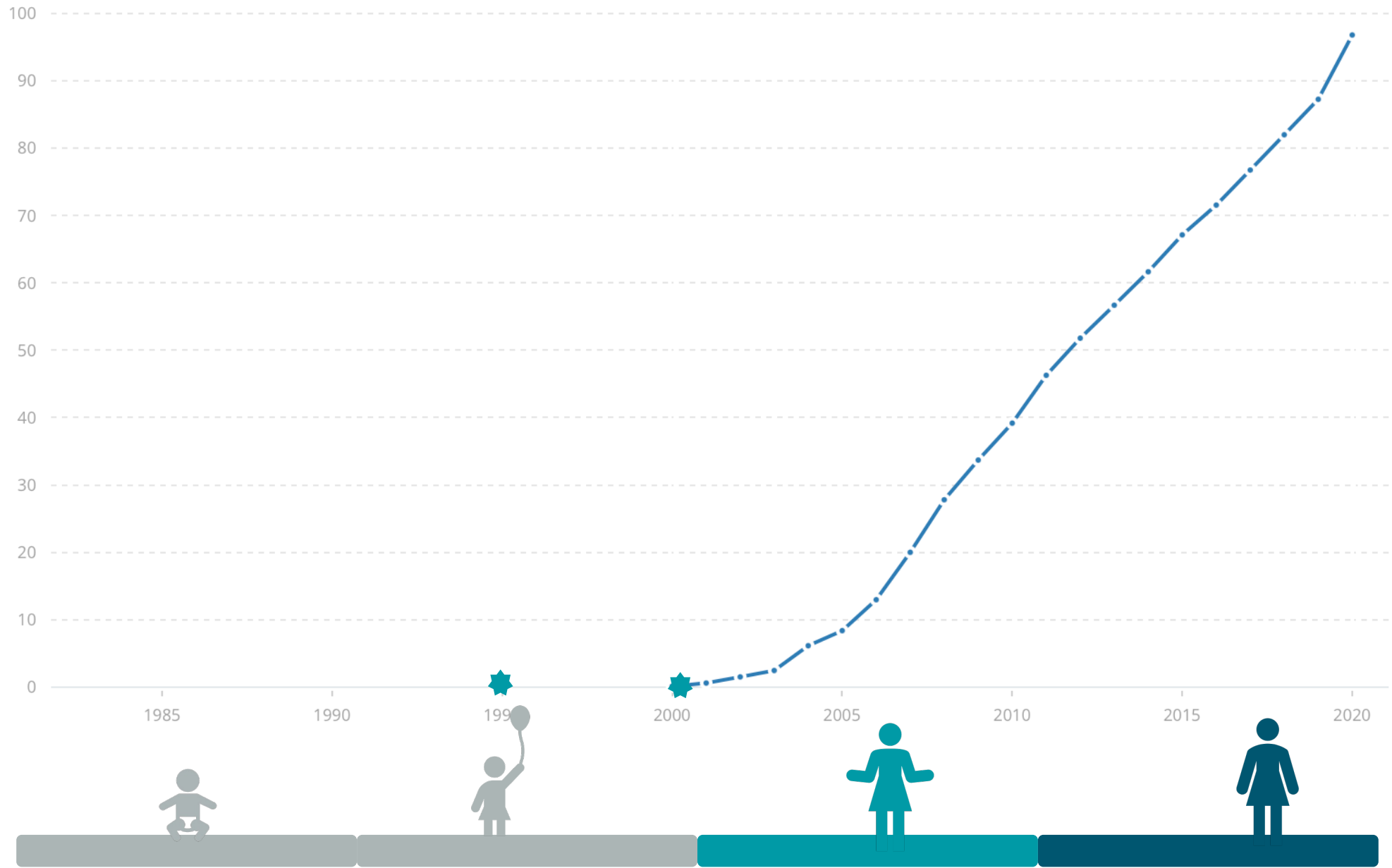
1982

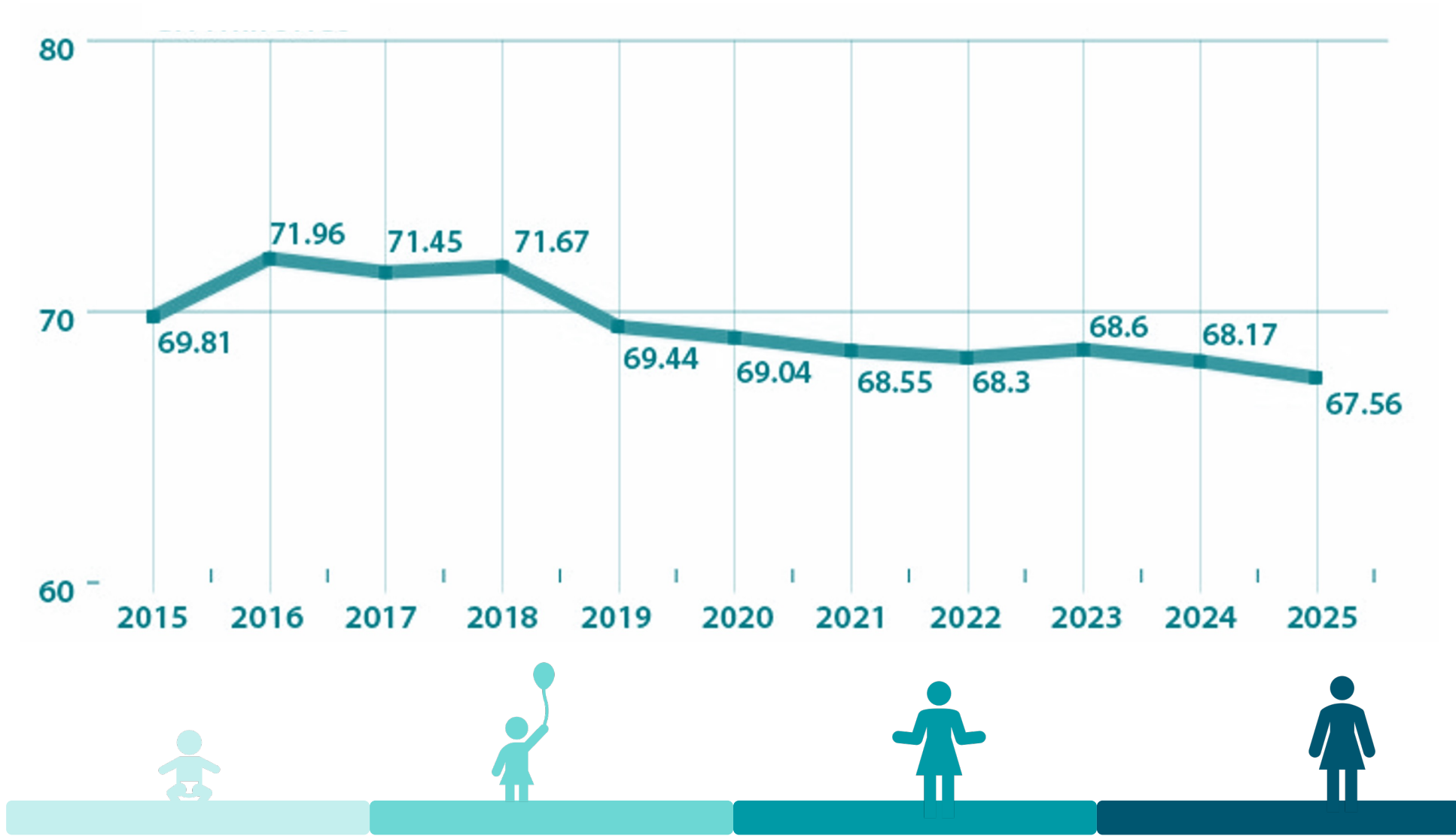
2022

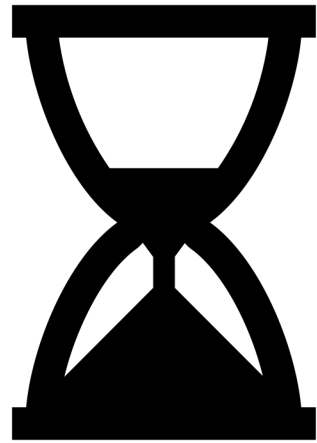


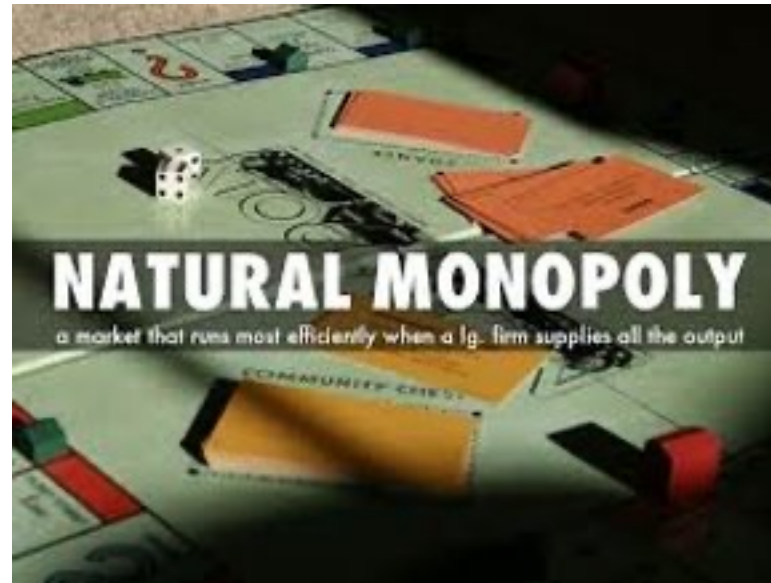
















Ingresos para el  
presupuesto  
público

Regulación y  
políticas

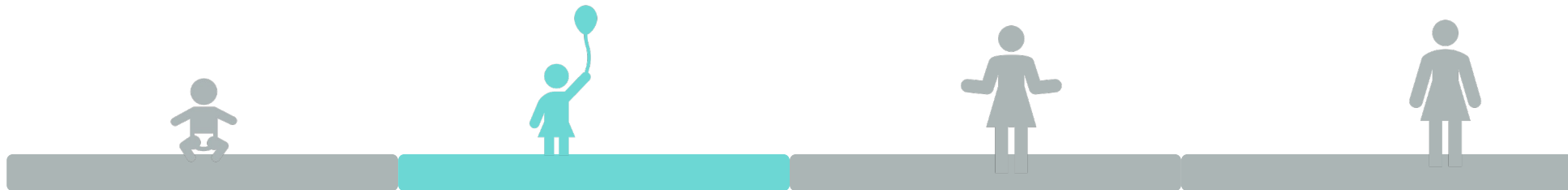
Subsidios  
cruzados

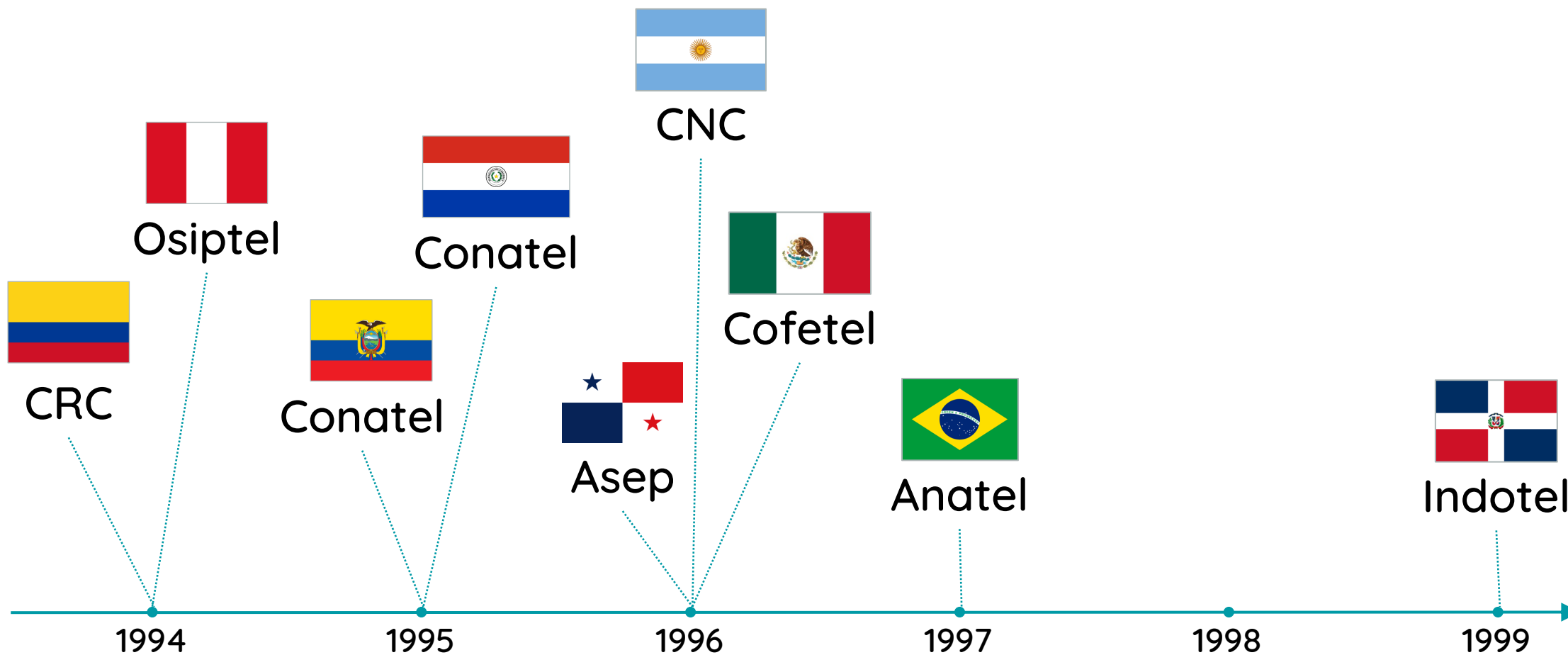
Políticas de  
empleo

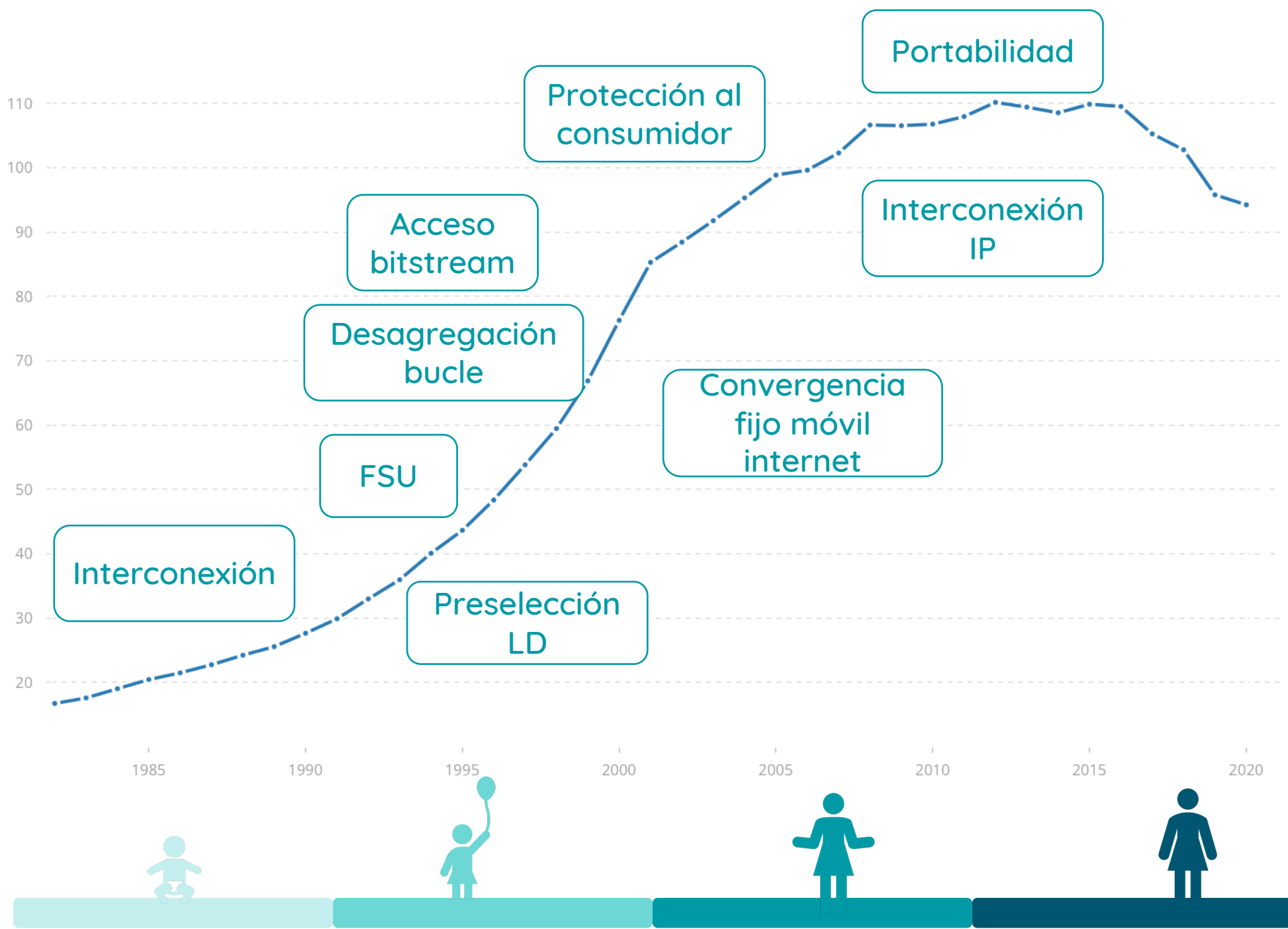




# PRIVATIZZAZIONE









País	Operador estatal?	Operadores	Preselección larga distancia	Portabilidad numérica
Argentina		2 incumbentes >300 Pymes y Coop	Si (no se usa)	No En proceso 2022
Brasil		3 concesionarios fijos	Si	Si 2007
Chile		2 incumbentes +operadores	No aplica	Si 2013
Colombia		>15 Operadores fijos	No Codigos LD	No
Costa Rica	ICE	1 incumbent Operadores VoIP	No aplica	No
Ecuador	CNT	1 incumbents = 5 otros	No	No
Mexico		1 incumbente >10 competidores	No aplica	Si 2008
Peru		2	Si Desde 2007	Si 2014
Paraguay	Copaco	1	No	No
Uruguay	Antel	1	No	No



Regulación  
precios  
minoristas

## Fixed calls

regulated



Argentina



Ecuador



Paraguay



Peru

partially  
regulated

only incumbents



Brazil



Costa Rica



Mexico

only fixed-to-mobile



Chile



Colombia

not  
regulated



Canada

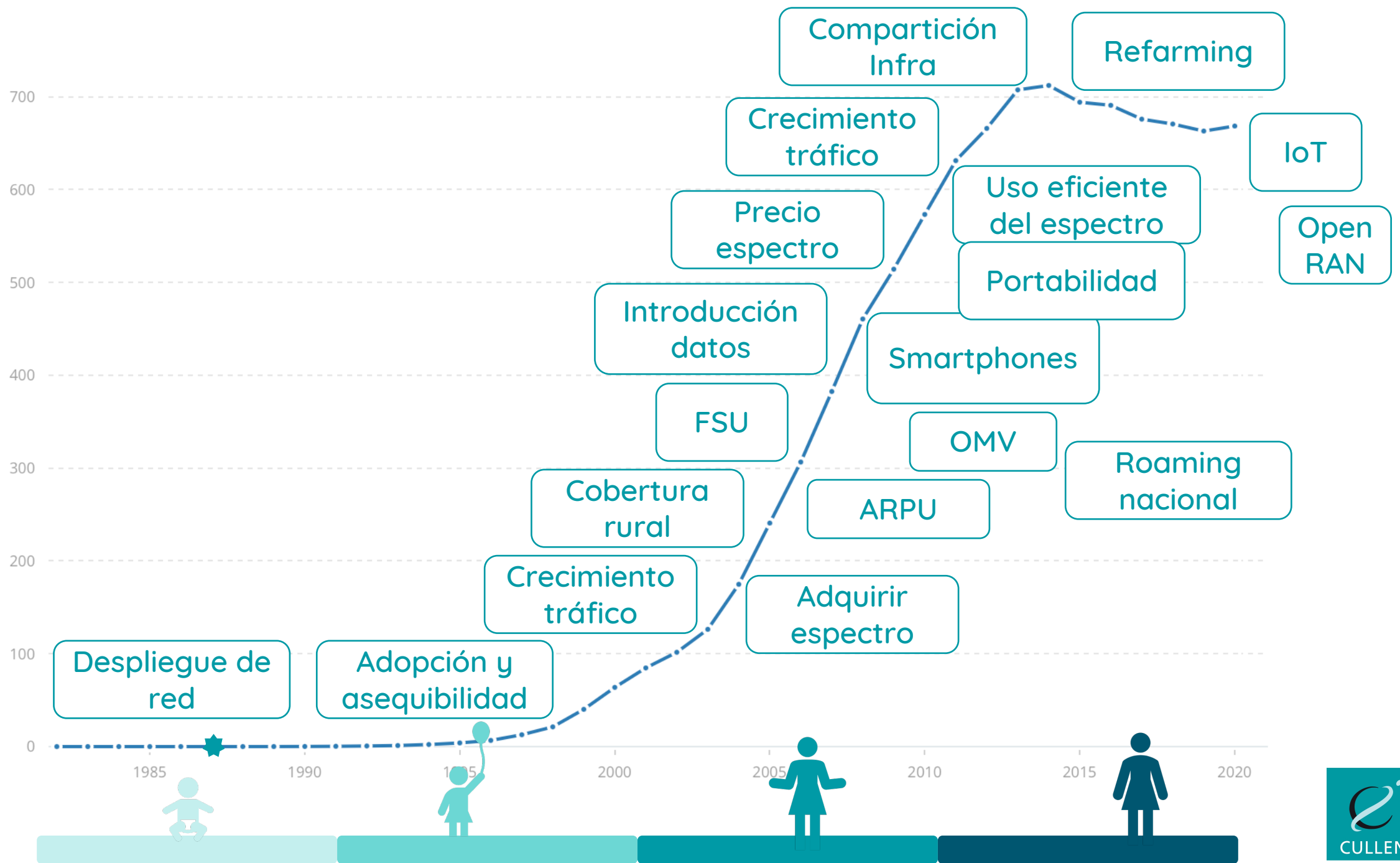


USA









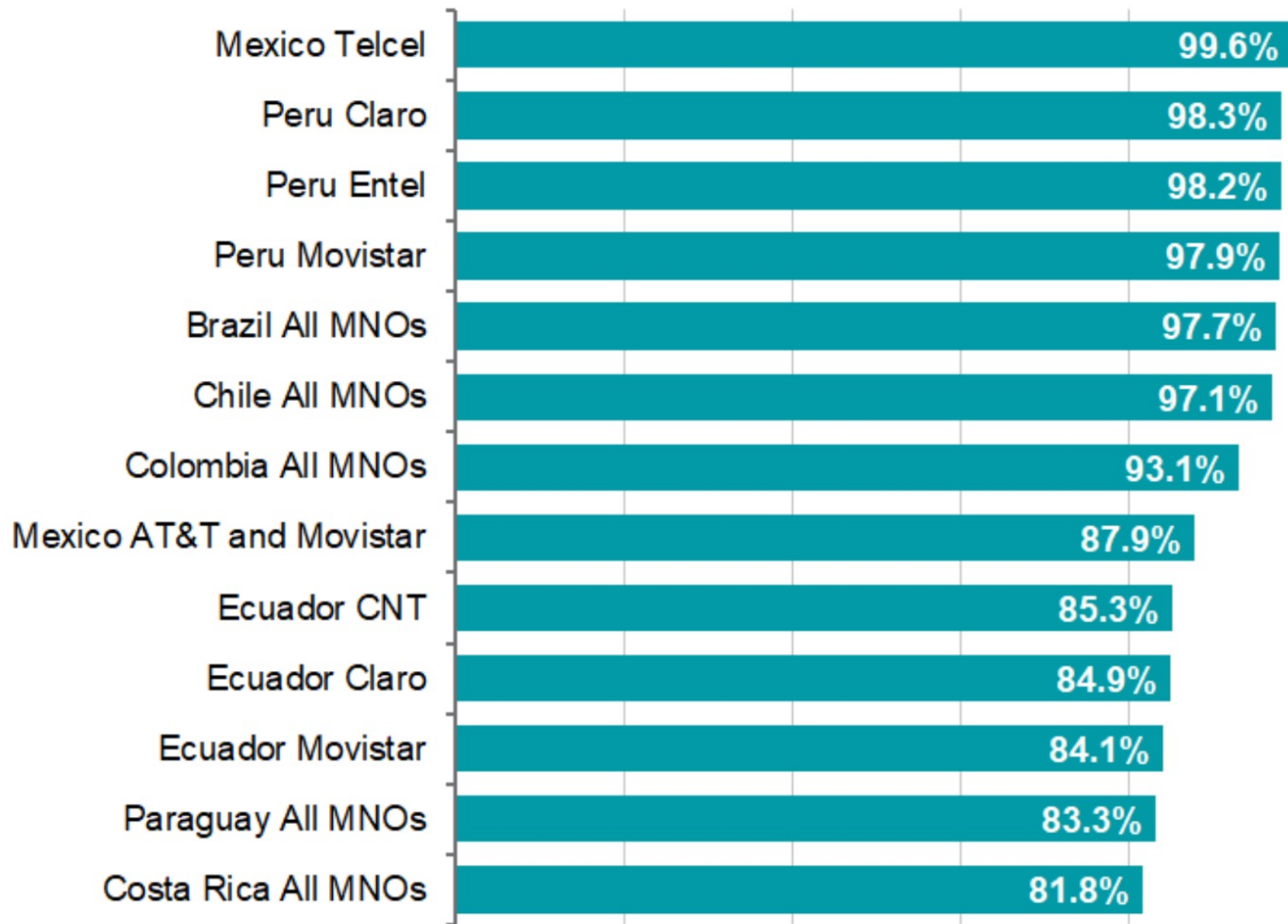


Pais	Liberalización mercado	# MNOs	Regulación OMV / # a 2022	Portabilidad
Argentina	1999	3	2012 2	2012
Brasil	1997	5	2010 10-144	2007
Chile	1996	4	2011 20	2012
Colombia	1994	4	2015 >5	2011
Costa Rica	2008-2011	3	2011 0	2013
Ecuador	2001	3	2014 0	2009
Mexico	1997	3	2007 8	2008
Peru	1994	4	2016 5	2010
Paraguay	1998	4	No	2012
Uruguay	2003-2004	3	No	2022



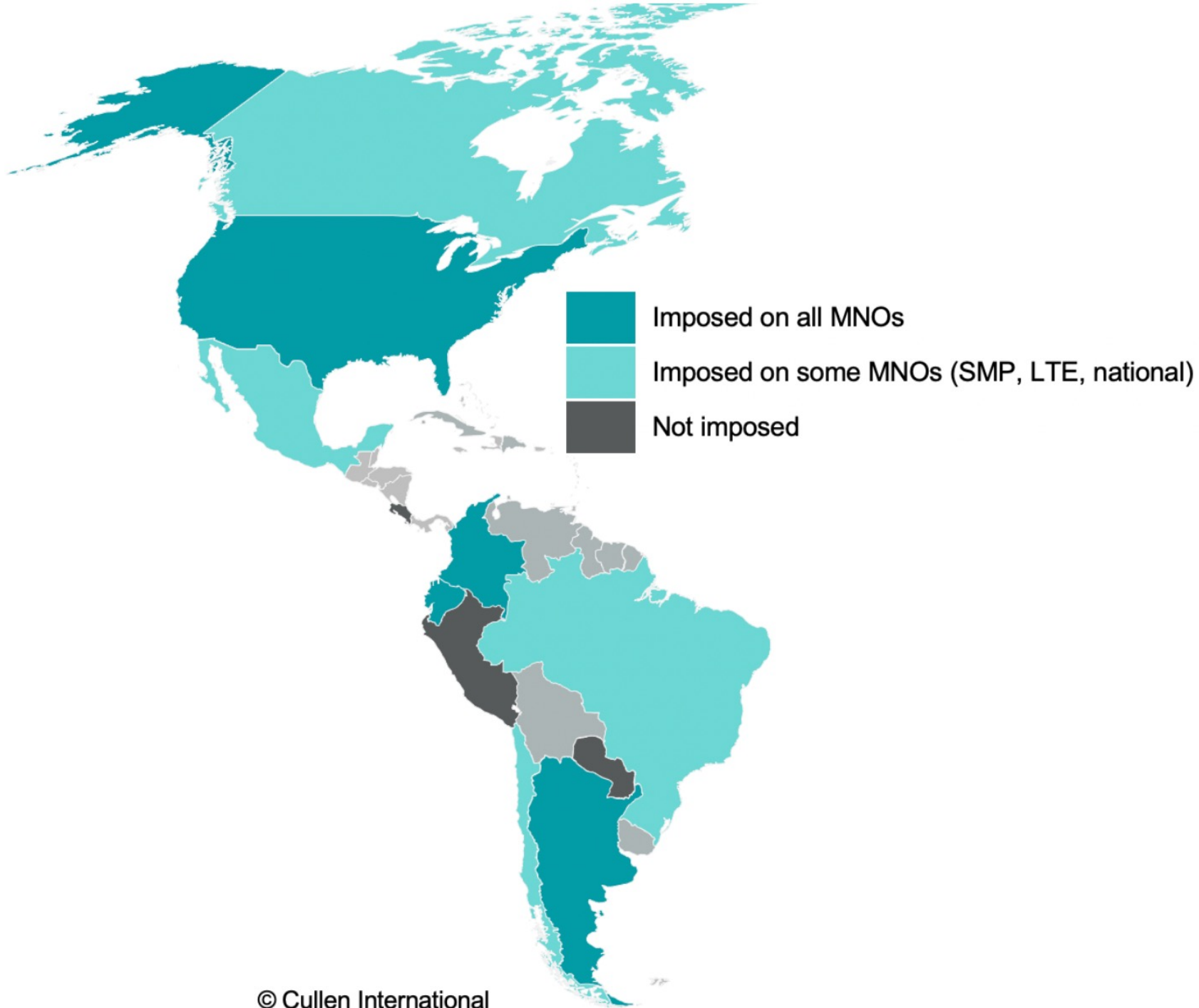
Interconexión

### % fall in MTR from Jan. 2012 to Jan. 2022





Roaming nacional





# Mobile calls

Regulación  
precios  
minoristas

regulated



Argentina



Ecuador

partially  
regulated

only preponderant



Mexico

only on-net / off-net



Chile



Colombia

not  
regulated



Brazil



Canada



Costa Rica



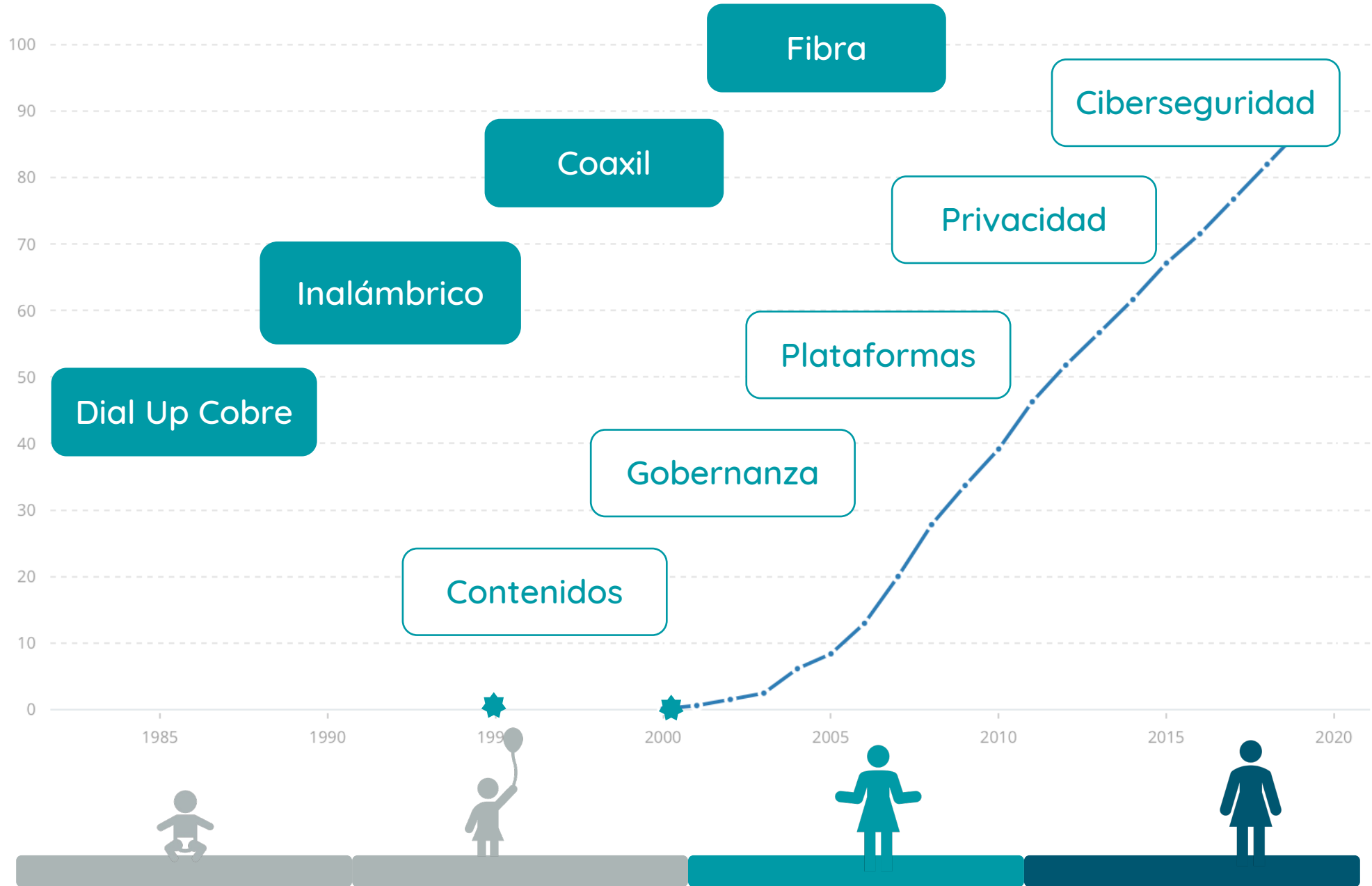
Paraguay



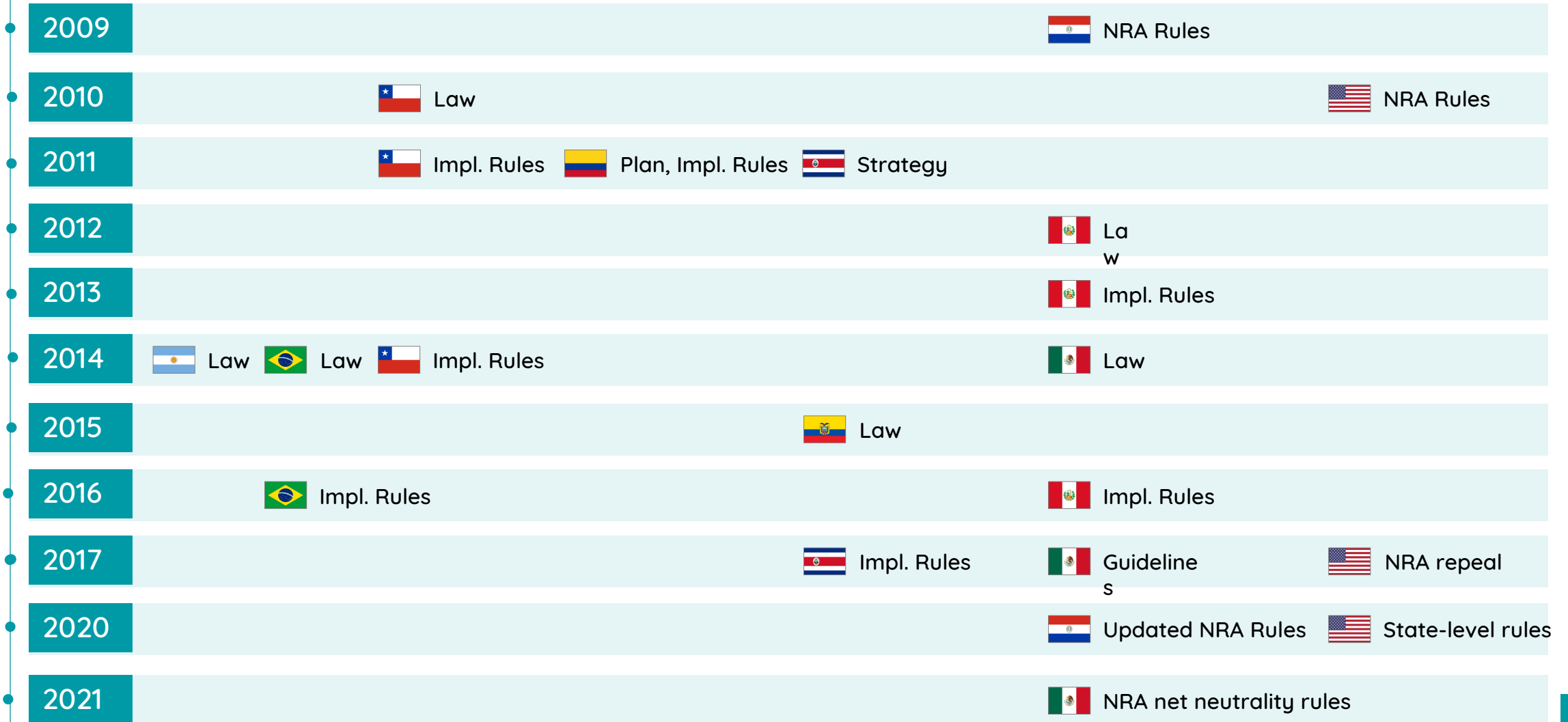
Peru



USA

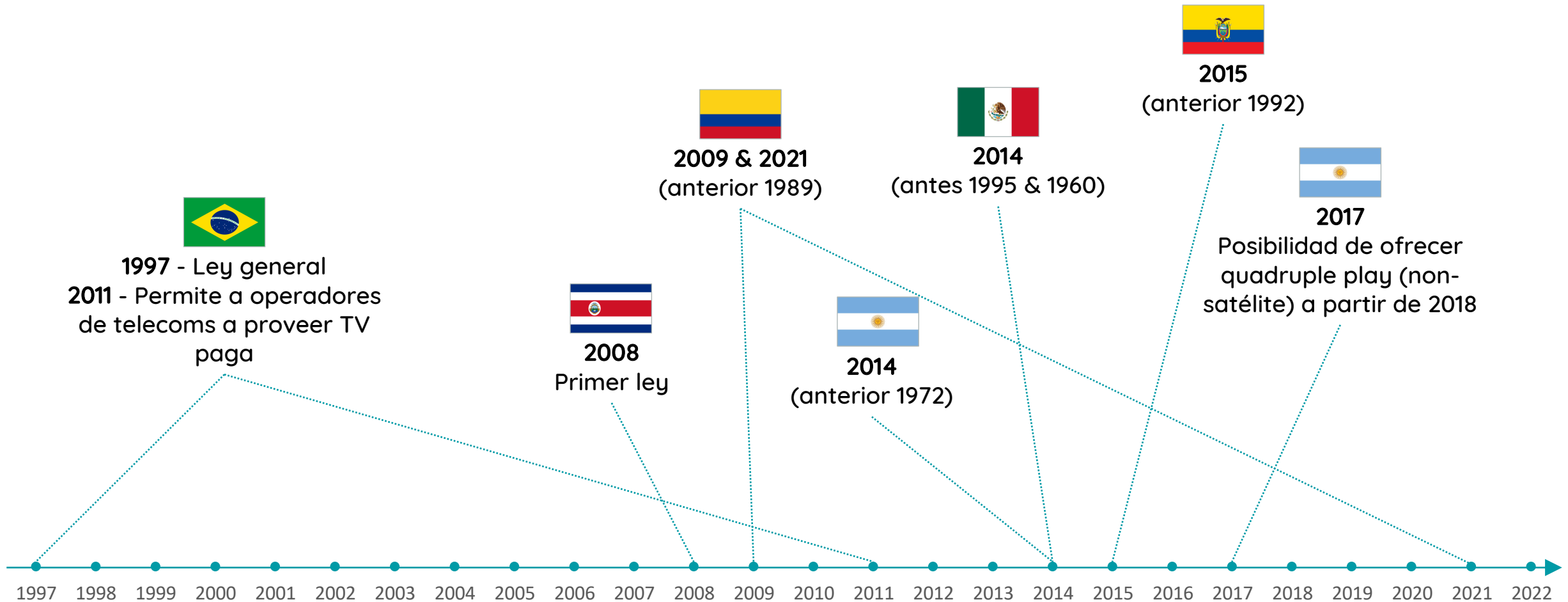


# Neutralidad de red





# Actualización Ley de Telecoms

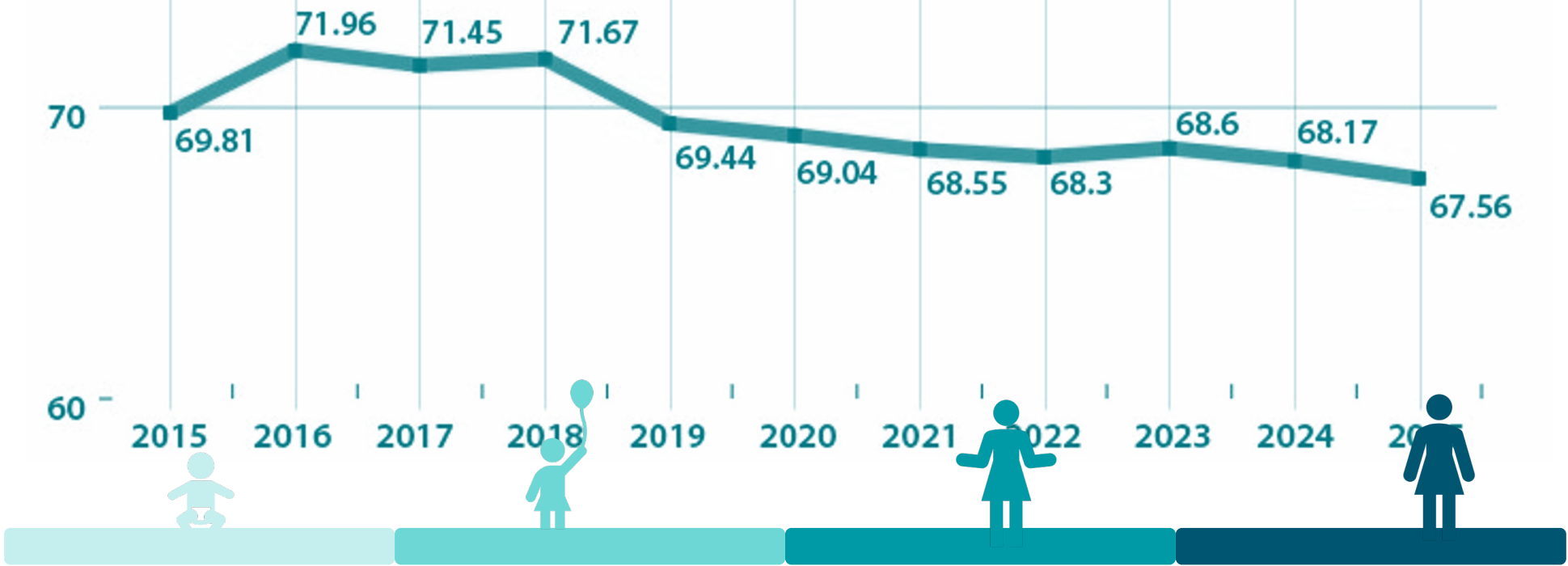


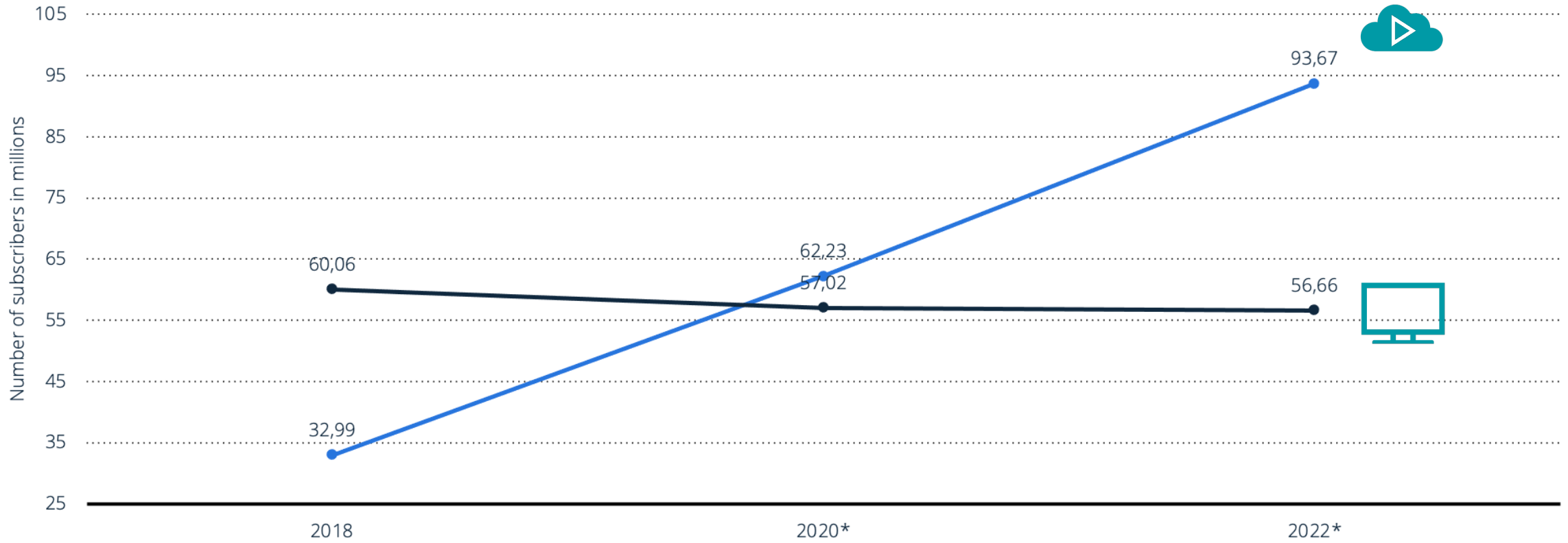


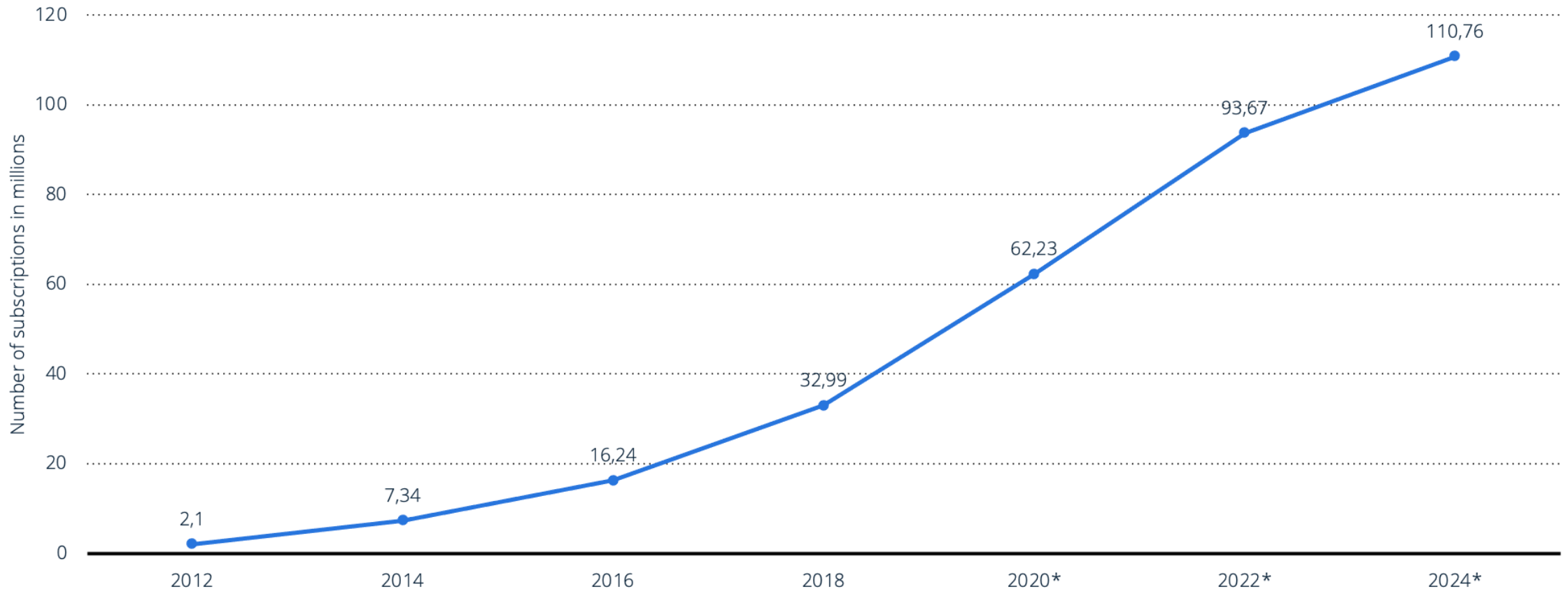


Publicidad  
Menores  
Accesibilidad  
Cuotas

Licencias  
Transmisión  
Contenido  
Piratería  
Impuestos y fondos  
Plataformas

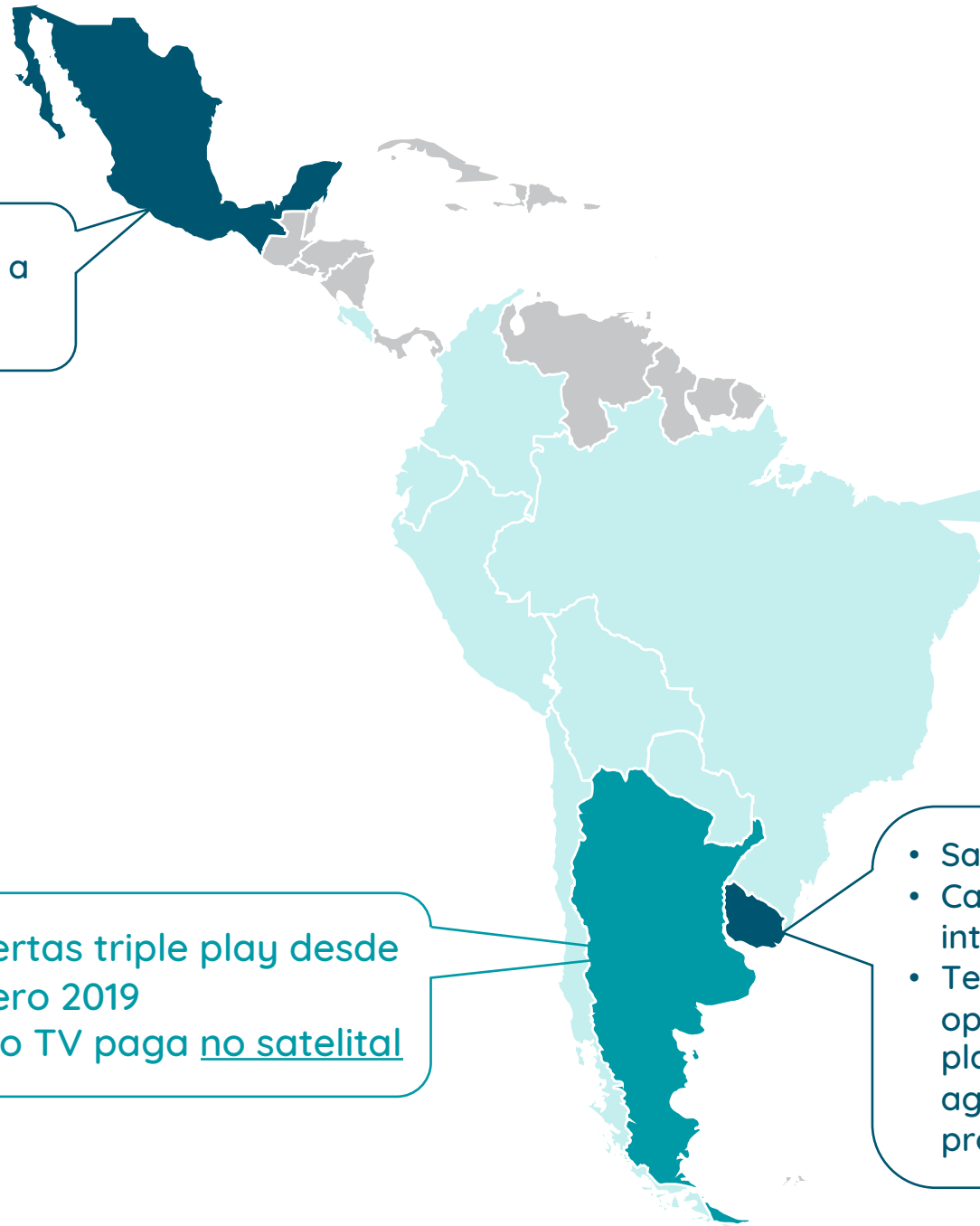






Convergencia





Solo applicable a  
Telmex

• Restricciones levantadas en  
Sep. 2011

• Ofertas triple play desde  
Enero 2019  
• Sólo TV paga no satelital

• Satellite pay TV restrictions  
• Cable operator cannot offer  
internet  
• Telecommunications  
operators can offer triple-  
play offer through  
agreements with cable  
providers



 IFT

 CRC

 Arcotel

 Osiptel  
(no media content)

 Subtel  
CNTV

 Sutel  
(no Media content)

 Anatel  
Ancine

 Conatel  
(no Media content)

 Enacom





## Cerrar brecha de conectividad

usar FSU  
incentivos a la inversión  
eliminar barreras al despliegue

## Acceso espectro

Planificación  
Diseño de concursos

## Actualización normativa

Usuario convergente, nuevos hábitos de consumo  
Reglas entre diferentes servicios

## Nuevas tecnologías

IoT  
Machine learning  
Metaverso





Thank you!

[carolina@cullen-international.com](mailto:carolina@cullen-international.com)