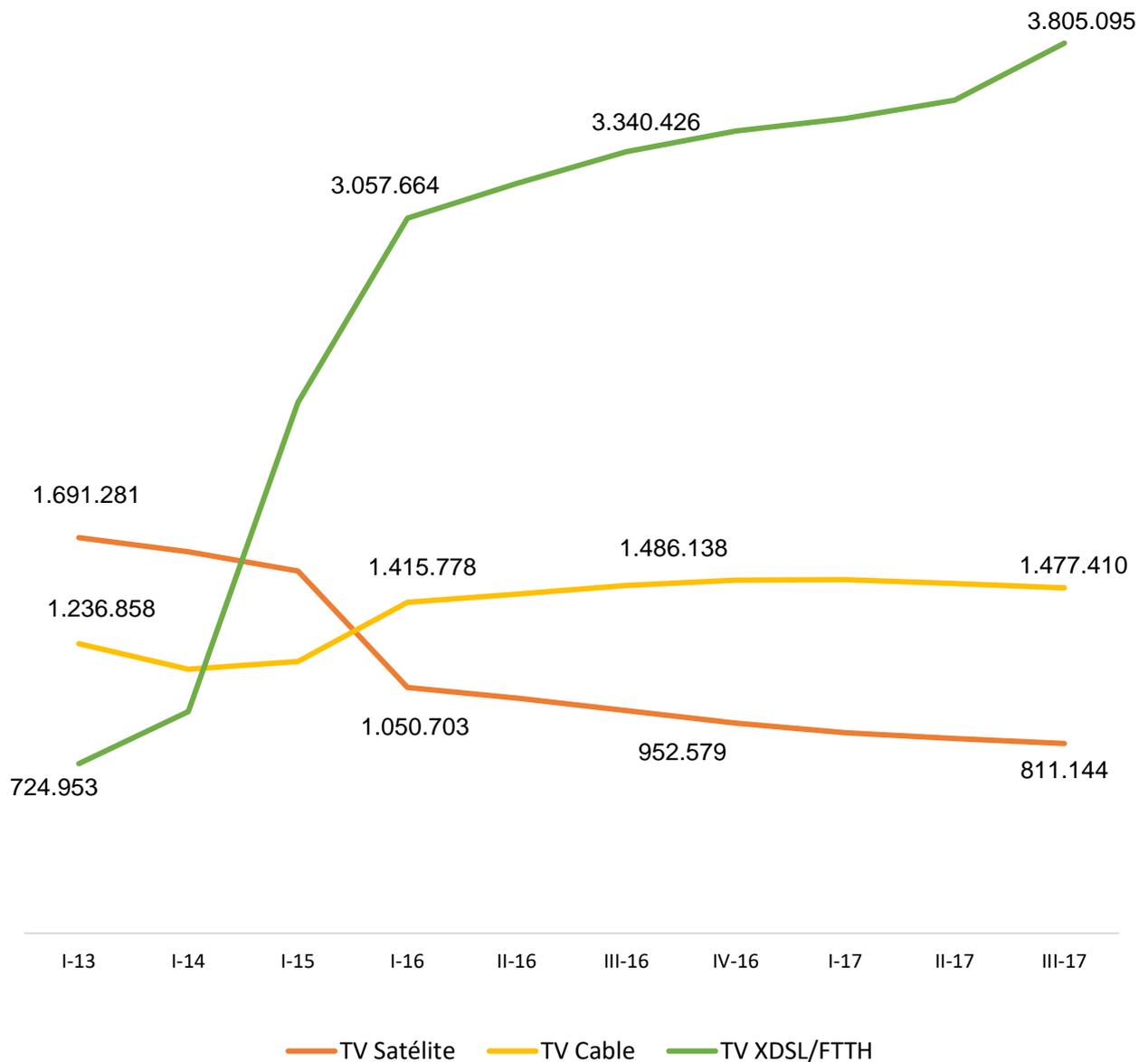


Informe

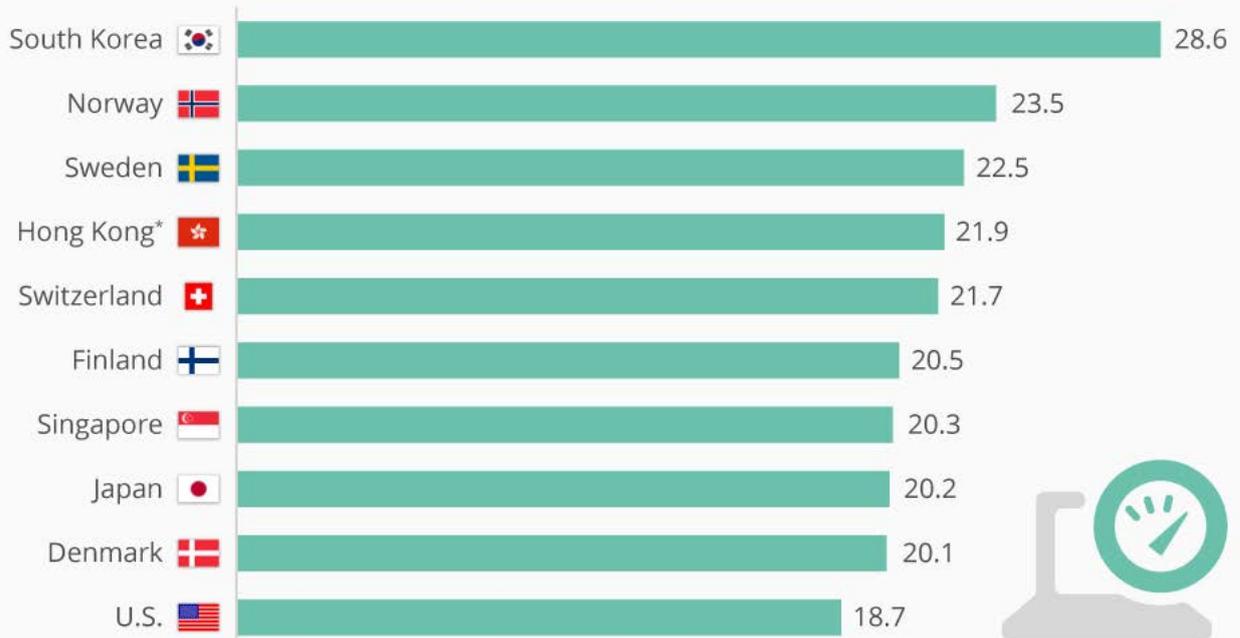
GRÁFICOS, CIFRAS Y FRASES DE LA QUINCENA VOL.97

➔ EVOLUCIÓN DE ABONADOS DE TV POR TECNOLOGÍA, CNMC.



➔ **THE COUNTRIES WITH THE FASTEST INTERNET, STATISTA.**

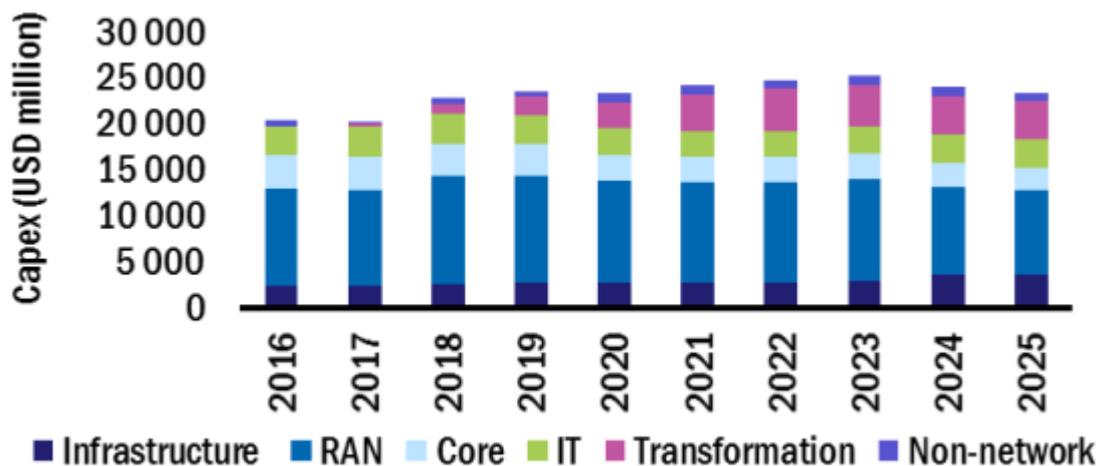
Average internet connection speed in Q1 2017 (in Mbps)



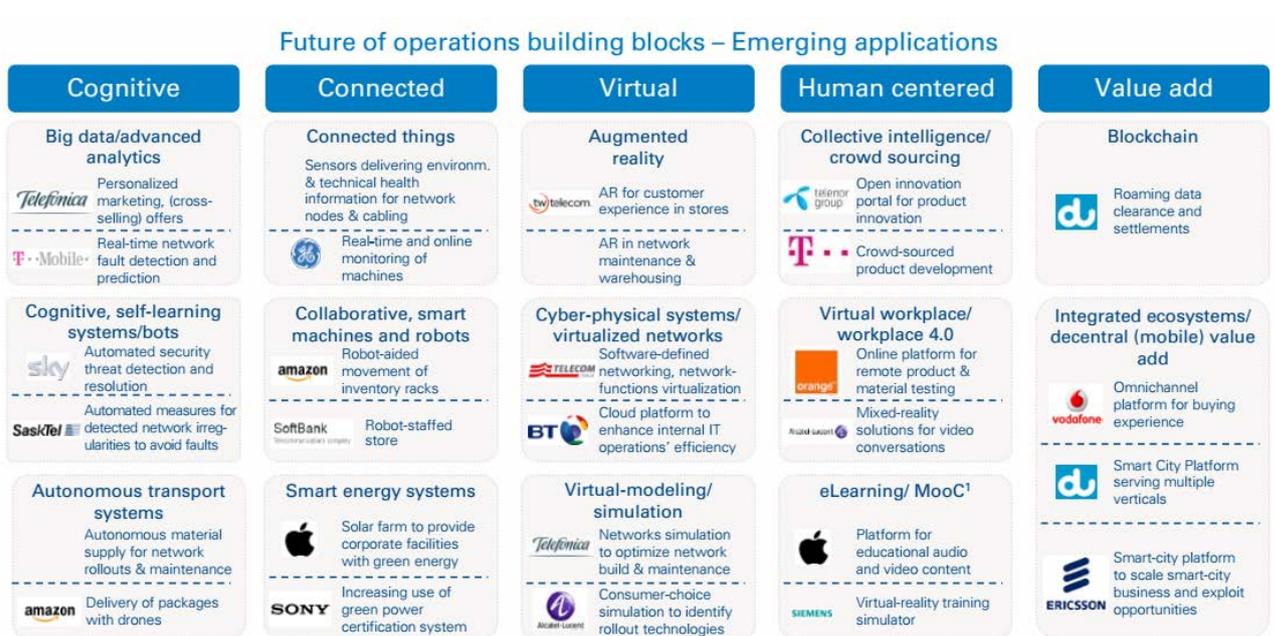
* Hong Kong is a Special Administrative Region of the People's Republic of China.
Source: Akamai

statista

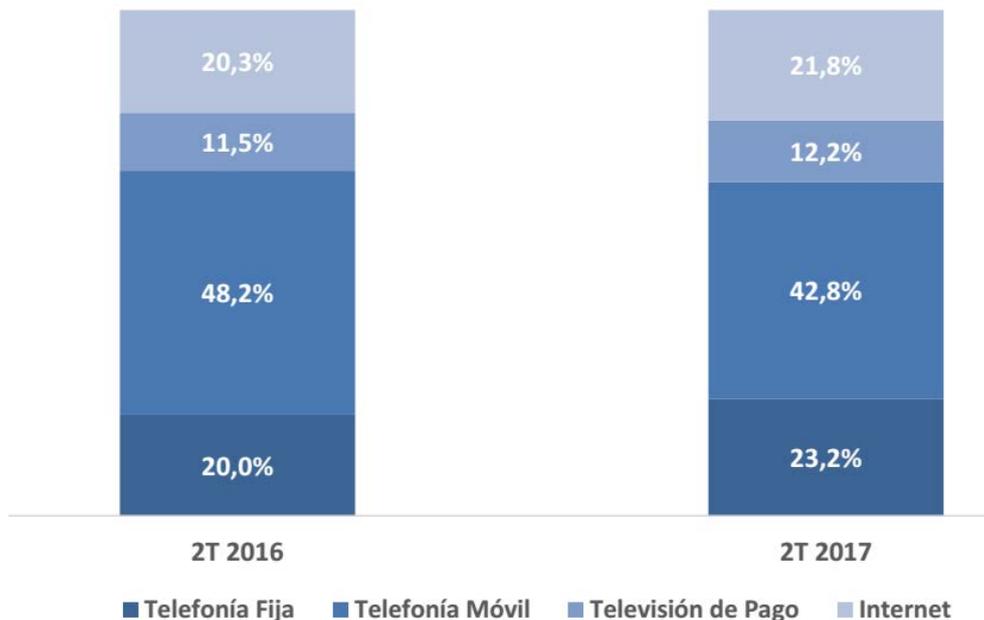
➔ **CAPEX FORECAST BY EQUIPMENT CATEGORY, WESTERN EUROPE, 2016–2025, ANALYSYS MASON.**



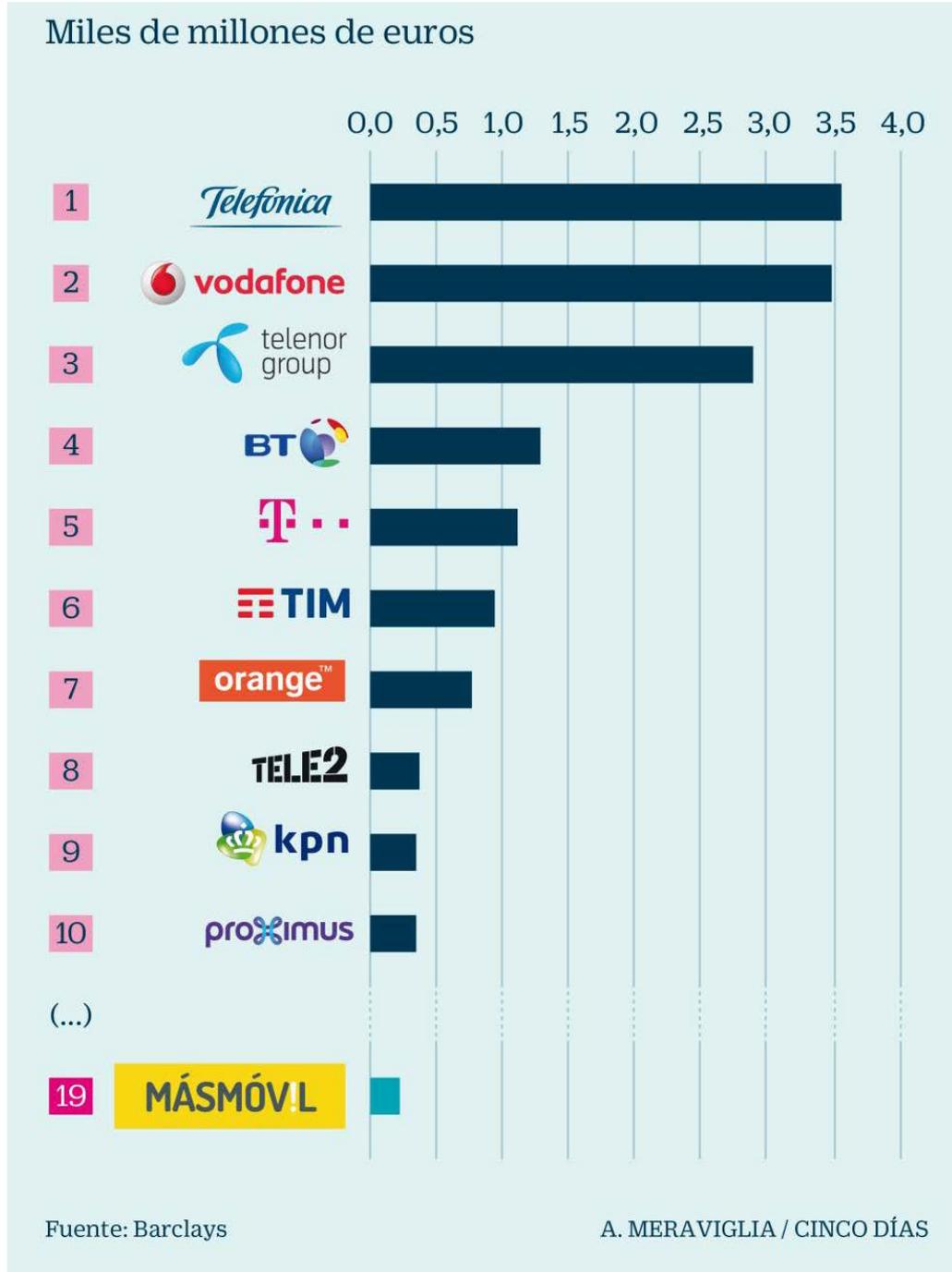
➔ **APPLICATIONS AND USE CASES OF DIGITAL TECHNOLOGIES ARE BEING ADOPTED IN TELCOS AND RELATED INDUSTRIES, ARTHUR D. LITTLE.**



➔ **PORCENTAJE DE SERVICIOS QUE COMPRENDEN EL GASTO TIC, N-ECONOMÍA.**



➡ **INVERSIÓN EN ESPECTRO DE LAS TELECOMUNICACIONES EUROPEAS HASTA 2019, CINCO DÍAS.**

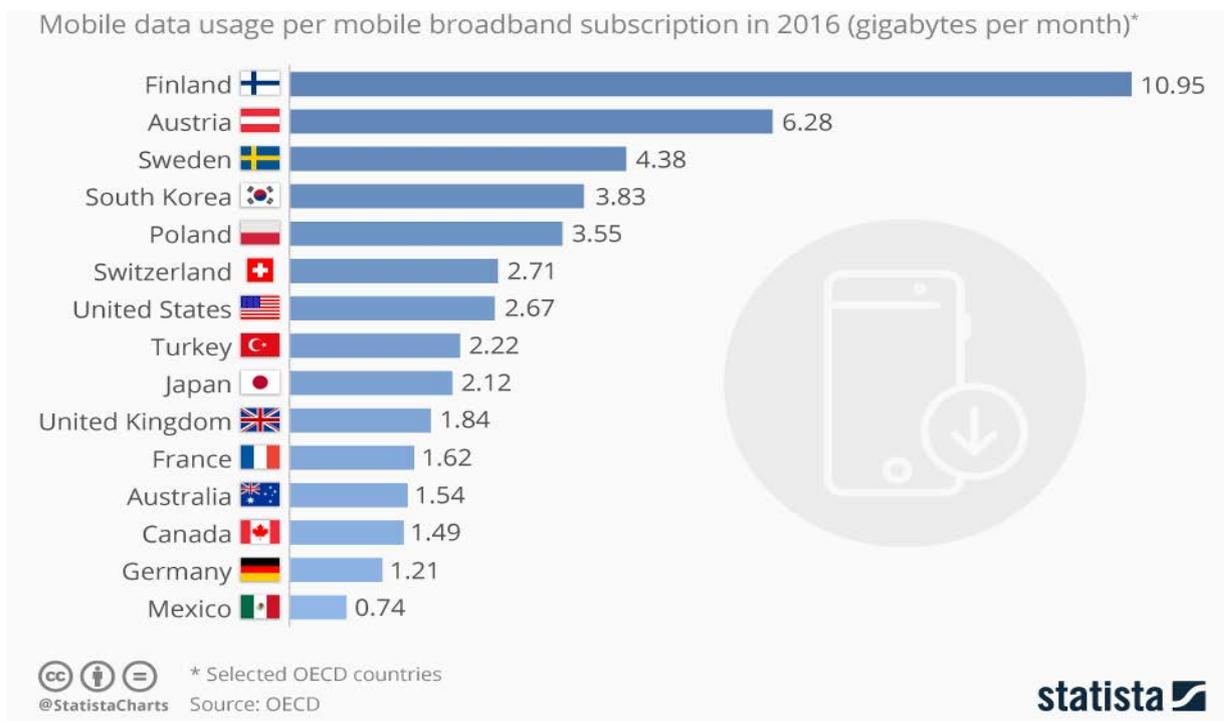


➔ AWARDS TABLE, OPENSIGNAL, JULIO 2017.

OpenSignal | Awards

	Download Speed: 4G	Download Speed: 3G	Download Speed: Overall	Latency: 4G	Latency: 3G	Availability: 4G
 Movistar						
 Orange						
 Vodafone						
 Yoigo						

➔ MOBILE DATA: WHO'S USING THE MOST GIGABYTES?, STATISTA.



➔ SPAIN MOBILE MARKET INFORMATION, CITI RESEARCH.

Spain	3Q17	Spain	3Q17
Service Revenue, €m		Broadband Subscribers (000s)	
Telefonica	873	Incumbent retail	6,018
Vodafone	729	Incumbent wholesale	2,358
Orange	716	ULL (total)	3,157
Total	2,499	Cable	1,935
Service Revenue Growth, yoy		Total	13,468
Telefonica	(3.8%)	Broadband Subscribers (000s)	
Vodafone	1.8%	Telefonica	6,018
Orange	7.5%	Orange	4,168
Total	1.6%	Jazztel	
Service Revenue Market Share		Vodafone (Ono)	1,935
Telefonica	34.9%	Vodafone (legacy)	1,353
Vodafone	29.2%	Total	13,468
Orange	28.6%	Broadband Subscribers Net Adds (000s)	
Other	7.3%	Telefonica	(3)
Post-pay Customers, 000s		Orange	(12)
Telefonica	15,514	Jazztel	
Vodafone	11,619	Vodafone (Ono)	20
Orange	12,944	Vodafone (legacy)	22
Yoigo/MasMovil	3,710	Total	103
Call Volumes, mn min/qtr		Telephony Channels (000s)	
Telefonica	9,458	Incumbent retail	9,387
Vodafone	12,001	Incumbent wholesale (WLR)	643
Orange	9,493	ULL (total)	3,173
Total	35,119	Cable	1,985
Call Volume growth, yoy		Total	15,189
Telefonica	2.5%	Telephony Channels Net Adds (000s)	
Vodafone	13.1%	Incumbent retail	(76)
Orange	1.0%	ULL (full)	(60)
Total	9.7%	Total	(120)
Contract Churn, % p.a		Pay TV Subscribers (000s)	
Telefonica	0.0%	TEF	3,767
Vodafone	21.8%	Vodafone	1332
Orange	19.9%	Orange	593
Data Revenue (excl messaging) % Servic		Canal+/Sogecable/Vivendi	
Telefonica	54.6%	Total	
Vodafone	41.8%	Pay TV Subscribers Net Adds (000s)	
Orange	39.0%	TEF	100
EBITDA, €m		Vodafone	47
Vodafone	384	Orange	52
Capex, €m		Canal+/Sogecable/Vivendi	
Vodafone	214	Total	
		Other	
		VDSL customers/ FttH	3,309

➔ CONSUMO DE DATOS MÓVILES EN VODAFONE, EL ECONOMISTA.



Fuente: Vodafone. Nota: II trimestre fiscal, de julio a septiembre de 2017.

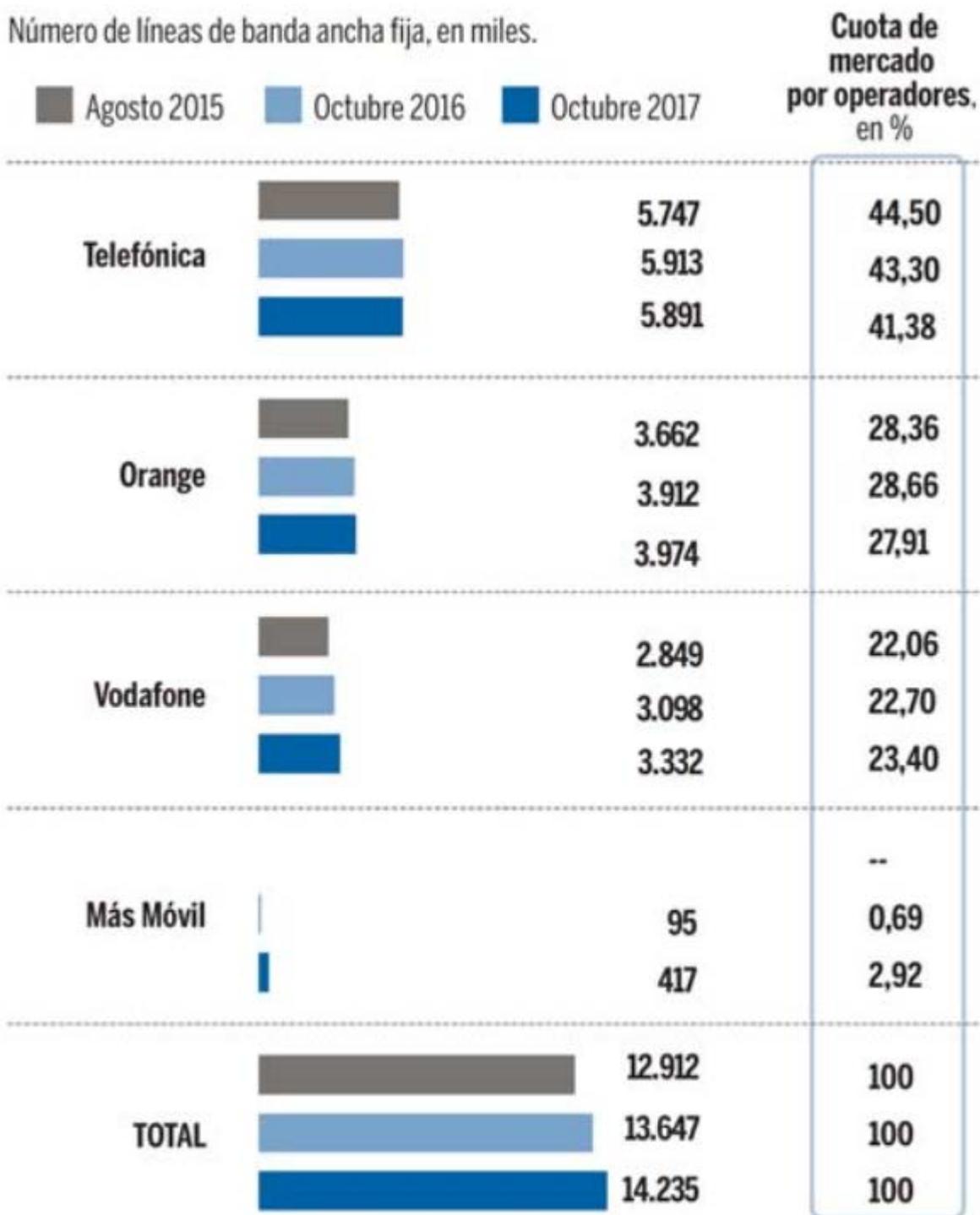
elEconomista

➔ PORTABILIDAD EN ESPAÑA, CNMC.



➔ **GANADORES EN LA CAPTACIÓN, EXPANSIÓN.**

Número de líneas de banda ancha fija, en miles.



Fuente: CNMC

Expansión

UGT Comunicaciones