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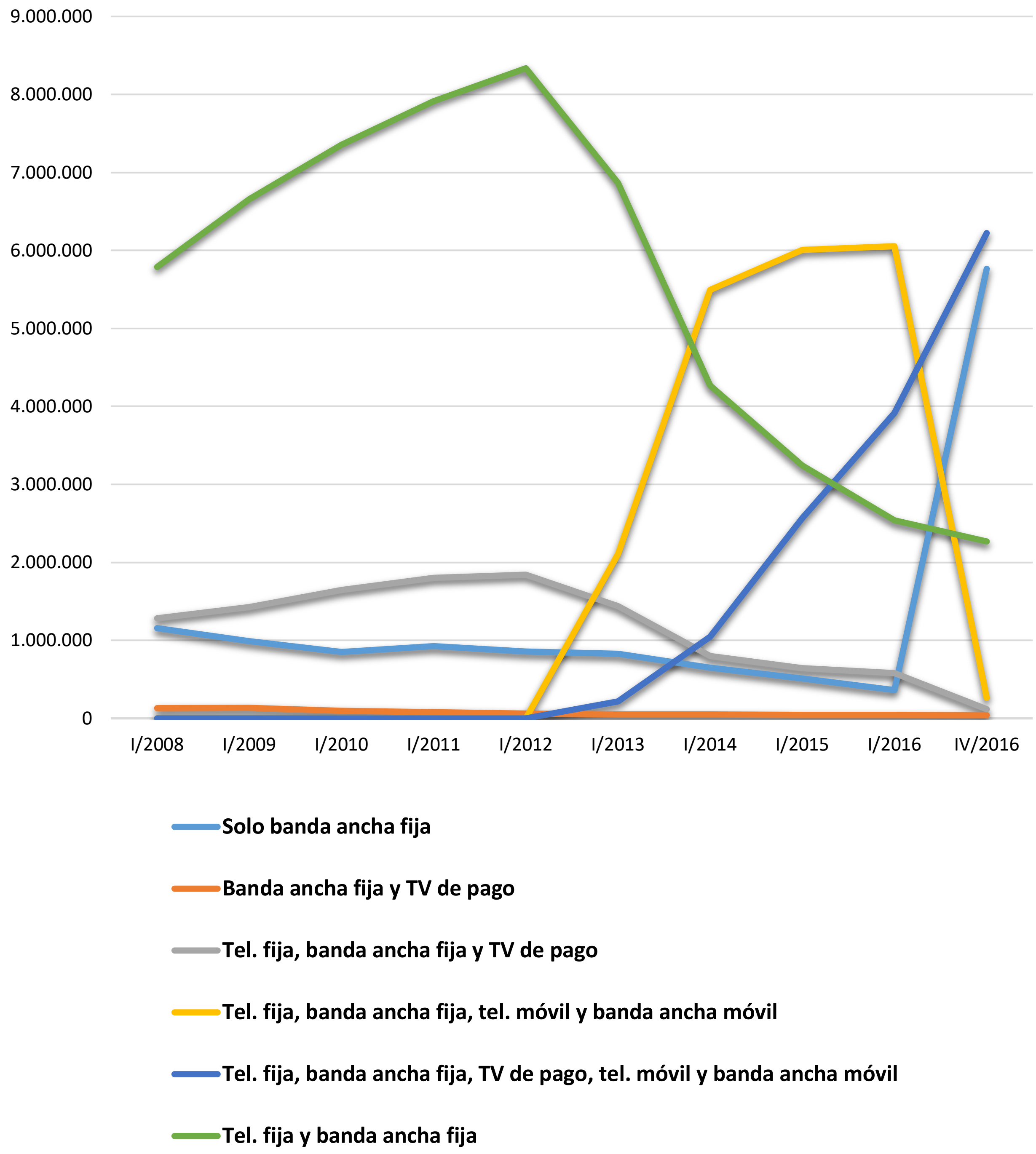
GRÁFICOS, CIFRAS Y FRASES DE LA QUINCENA VOL.89

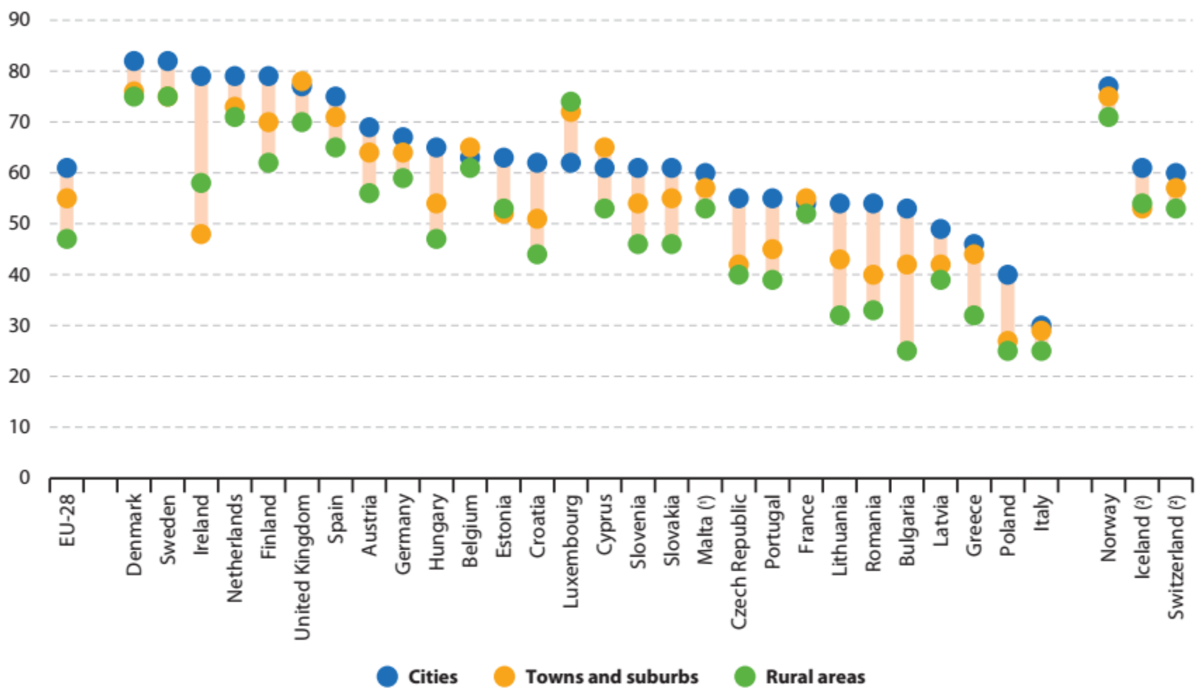
Evolución de empaquetamiento de servicios finales. CNMC.



TOP TEN LARGEST UNCONNECTED MARKETS IN MOBILE, END 2016. GSMA.

Top Ten Markets	Unconnected (millions)	Total Population (millions)	% of Population Unconnected (per capita penetration)
1. India	660.19	1,334.66	49.5%
2. China	362.28	1,385.28	23.6%
3. Nigeria	101.68	189.41	53.7%
4. Pakistan	101.12	194.79	51.9%
5. Brazil	85.35	210.41	40.6%
6. Bangladesh	75.73	163.87	46.2%
7. Ethiopia	68.45	103.10	66.4%
8. Indonesia	64.45	262.05	24.7%
9. United States	61.88	325.30	19.0%
10. Congo, D.R.	59.93	80.98	74.0%

PROPORTION OF INDIVIDUALS WHO USED A MOBILE PHONE OR SMART PHONE TO ACCESS THE INTERNET WHEN AWAY FROM HOME OR WORK IN THE THREE MONTHS PRIOR TO THE SURVEY, BY DEGREE OF URBANISATION, 2016 (% OF ALL INDIVIDUALS), EUROSTAT.



- *MÉTRICAS CLAVE DEL MERCADO MÓVIL MUNDIAL*, GSA INTELLIGENCE.

As of Q3 2017	World	Asia Pacific	Northern America	Latin America	Europe
Total number of operators	929*	168	120	151	155
Total connections (excluding M2M), in million	7,801	4,176	383	690	677
% of global total connections (excluding M2M)	100%	53%	5%	9%	9%
Operators with live 2G GSM networks	676	107	39	127	131
Operators with live 3G WCDMA/HSPA networks	628	119	19	119	140
Operators with live 2G/3G CDMA networks	109	20	39	10	6
Operators with live 4G LTE networks	636	116	68	107	149
2G as % of total connections	41%	42%	9%	33%	22%
3G as % of total connections	29%	22%	23%	43%	38%
4G as % of total connections	30%	36%	68%	23%	40%

- *"DATA USAGE ON T-MOBILE'S NETWORK UP 50% Y-ON-Y"*, DT.

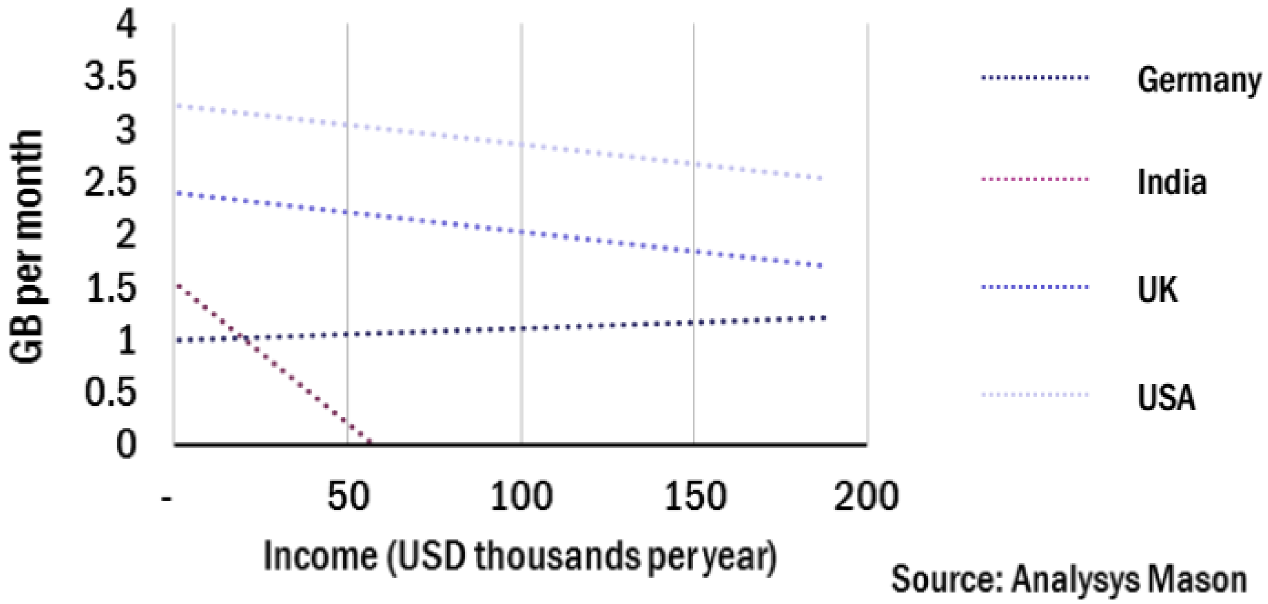
- *"BRASIL NECESITA INVERTIR 200 MIL MILLONES DE REALES PARA DAR COBERTURA COMPLETA DE BANDA ANCHA"*, BCG.

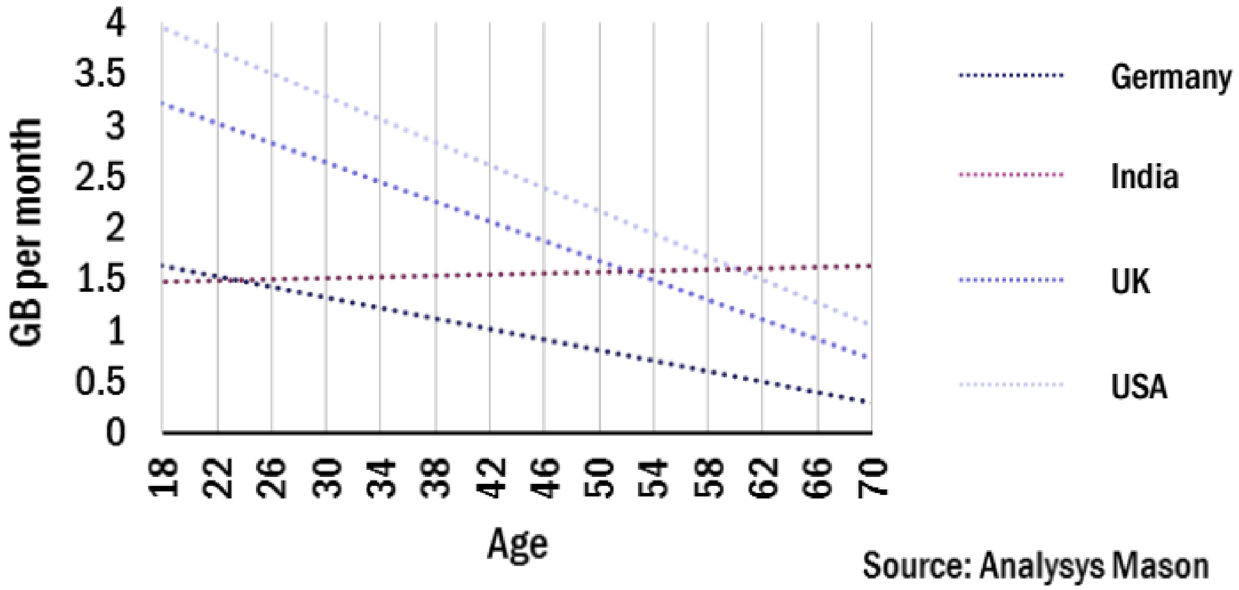
- *"EL 90% DE LOS AUSTRIACOS COMPRA ONLINE"*, OWA.

- *"ABOUT FOUR ABOUT FIVE US HOUSEHOLDS (79%) SUBSCRIBE TO SOME FORM OF PAY-TV SERVICE"*, LEICHTMAN RESEARCH GROUP.

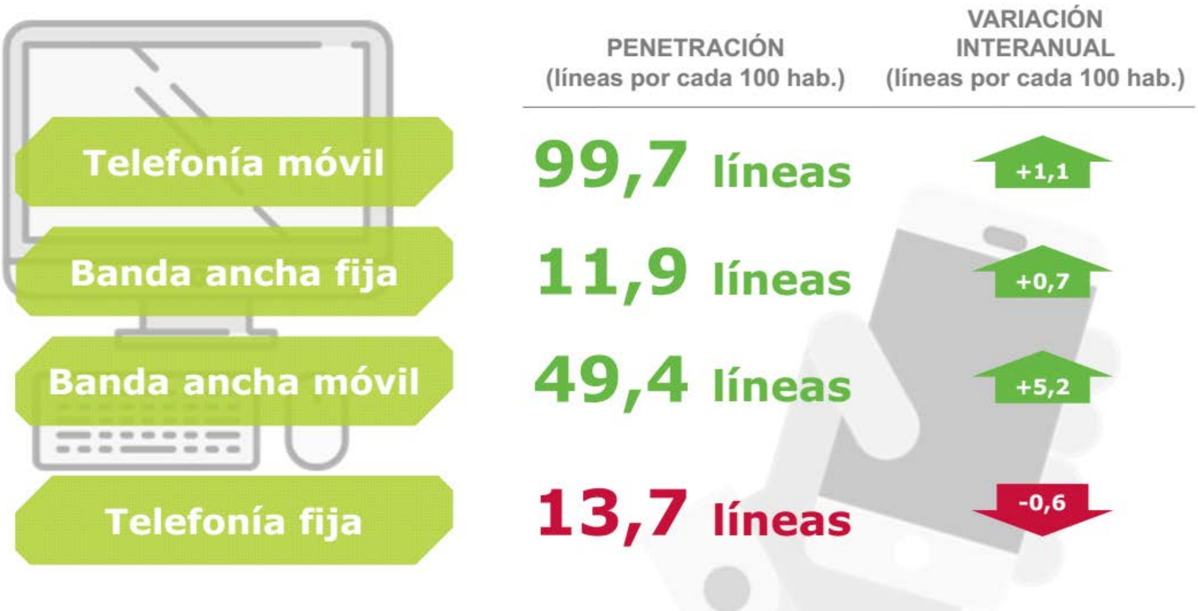
- *"EL 28% DE LAS EMPRESAS DE TELECOMUNICACIONES ESPERAN IMPLEMENTAR 5G EN 2018"*, ERICSSON.

USO DE DATOS MÓVILES VS. RENTA Y EDAD, ANALYSYS MASON.





La penetración a nivel mundial de telefonía móvil, banda ancha móvil y banda ancha fija aumenta en 2016. ONTSI.



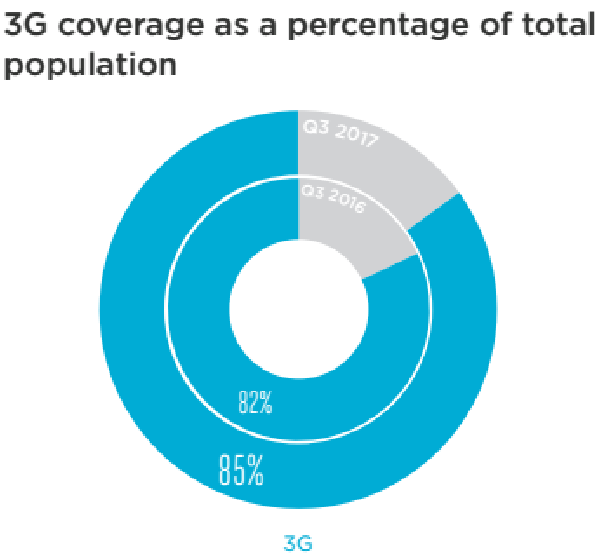
"The number of subscription video on demand (SVoD) subscriptions is expected hit 546 million by 2022, double the 263 million recorded at the end of 2016", Digital TV Research.

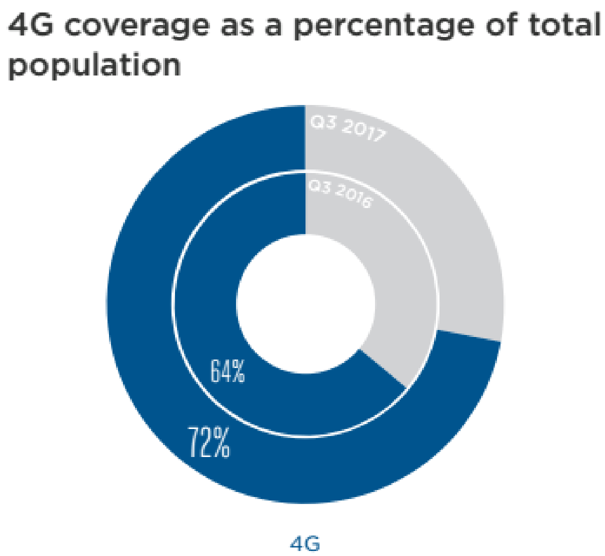
"Brasil necesita invertir 200 mil millones de reales para dar cobertura completa de banda ancha", BCG.

"OTT revenues to hit USD 83 bln in 2022", Digital TV News.

"Un 41% de los internautas escucha la radio por internet", AIMC.

COBERTURA DEL 3 Y 4G EN LA POBLACIÓN MUNDIAL, GSMA INTELLIGENCE.

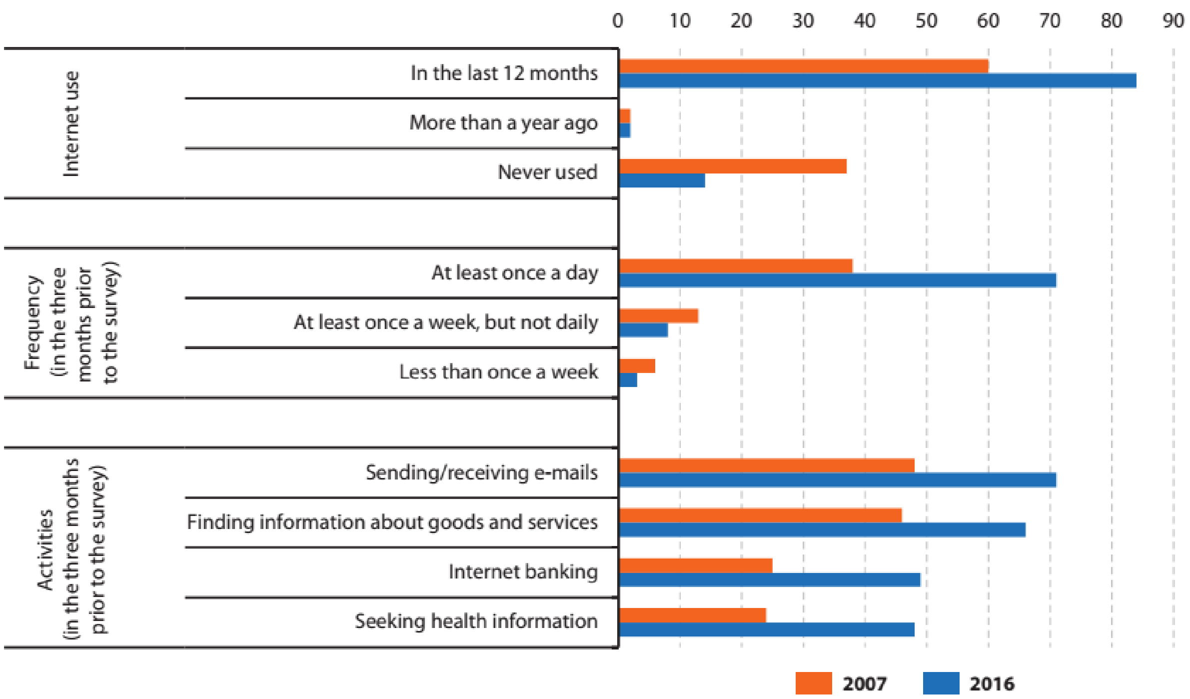




ACTIVIDADES Y EMPLEO TIC EN ESPAÑA, N-ECONOMÍA.

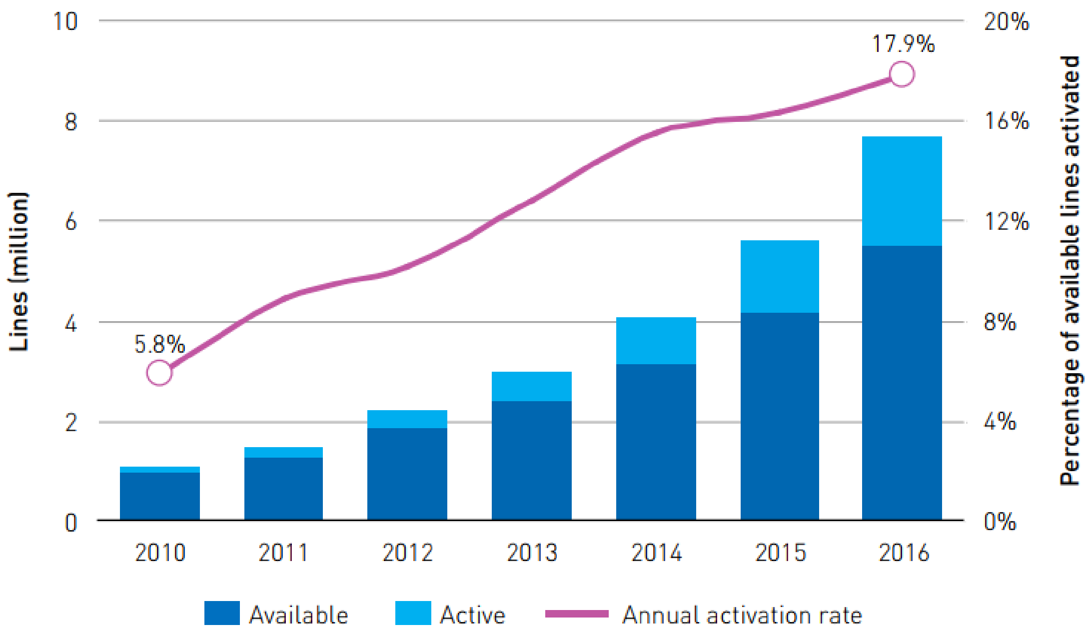
Sectores	Cifra de negocio 2015 (mill. euros)	Peso (%)	Tasa variación 15/14 (%)
Total Sector TIC	**82.464**	**100,0%**	**7,7%**
Fabricación	3.383	4,1%	15,0%
Servicios	79.081	95,9%	7,4%
Comercio	17.747	22,4%	11,4%
Act. informáticas	32.655	41,3%	14,7%
Telecomunicaciones	28.679	36,3%	-1,8%
Operadores	26.597	92,7%	-1,9%
Resto	2.082	7,3%	-1,5%
Empleo (personas)	354.480	-	7,1%

INDIVIDUALS' USE OF THE INTERNET, EU-28, 2007 AND 2016, (% OF ALL INDIVIDUALS), , EUROSTAT.

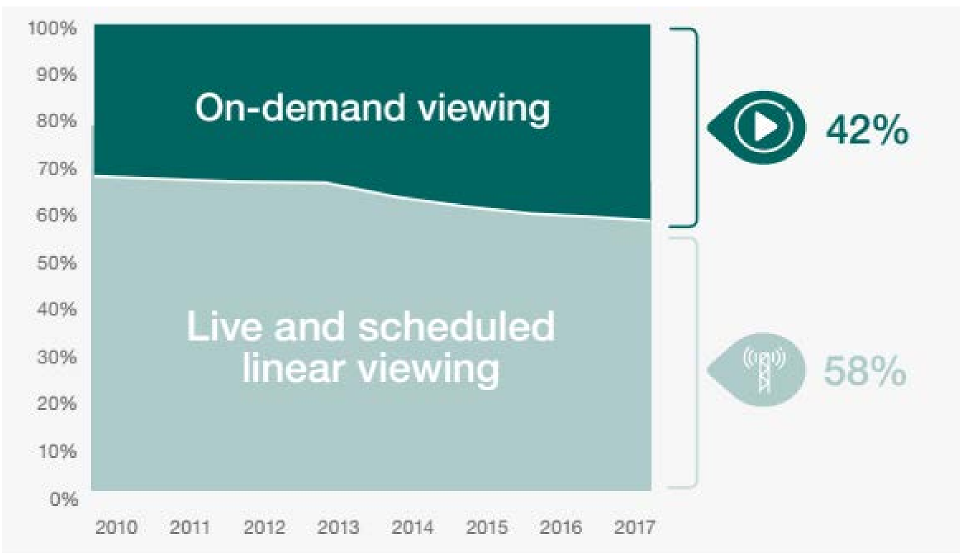


Source: Eurostat (online data codes: isoc_ci_ifp_iu, isoc_ci_ifp_fu and isoc_ci_ac_i)

LÍNEAS FTTH DISPONIBLES Y ACTIVAS Y PORCENTAJE DE LÍNEAS DISPONIBLES ACTIVADAS CADA AÑO, FRANCIA, 2010-2016, ANALYSYS MASON.



ACTIVE VIEWING HOURS OF ON-DEMAND VS. LIVE AND SCHEDULED LINEAR TV, ERICSSON CONSUMER LAB TV.



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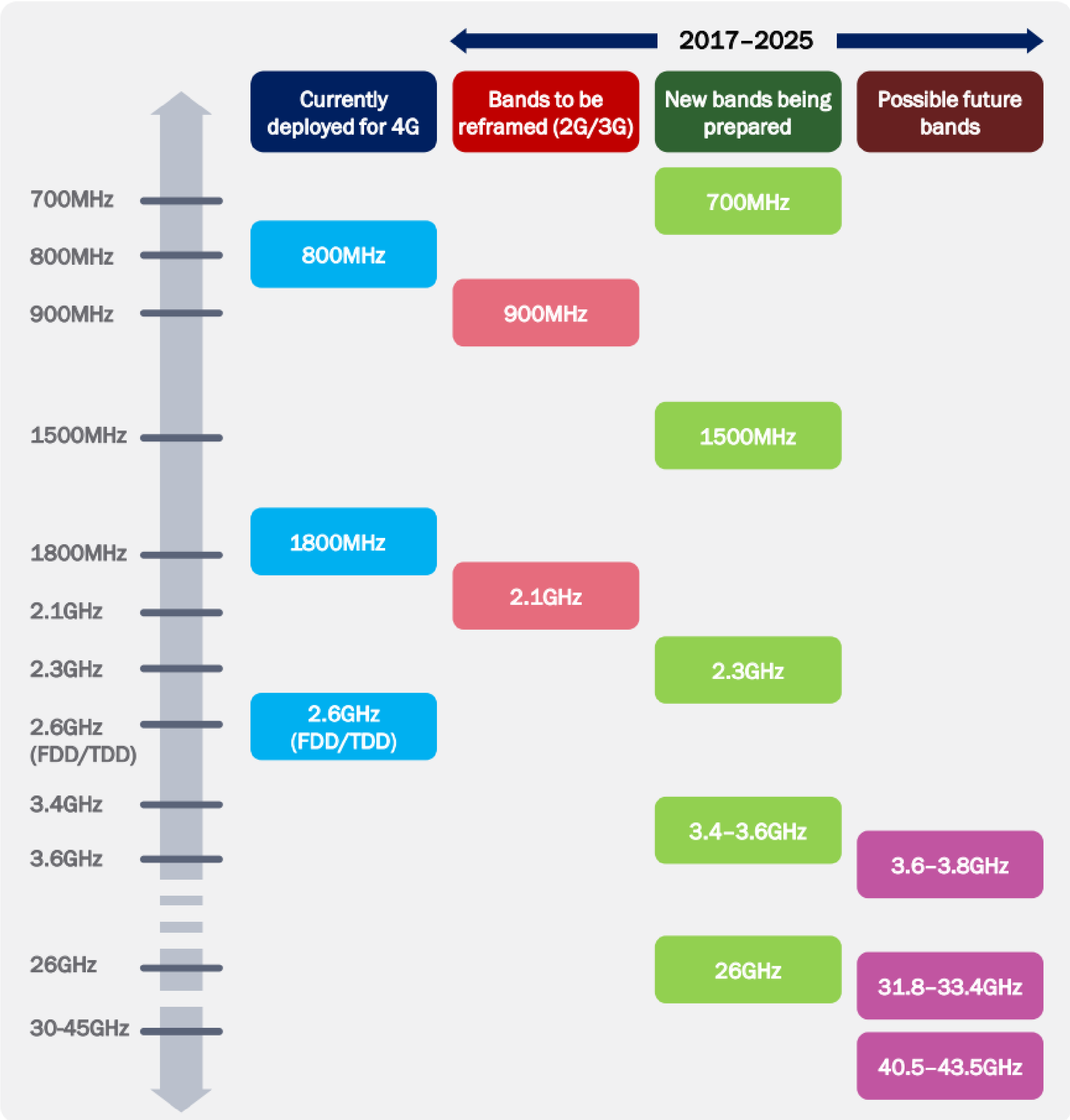
"MÁS DE LAS TRES CUARTAS PARTES DE LOS ITALIANOS ESTÁN ONLINE", CENSIS.

UN CUARTO DE LOS INTERNAUTAS ALEMANES USA BANCA ONLINE EXCLUSIVAMENTE", BITKOM.

"MÁS DEL 39% DE LOS PLANES DE BANDA ANCHA MEXICANOS ESTÁN POR ENCIMA DE LOS 20 MBPS", IFT.

"GOOGLE USERS IN FRANCE SEARCH MORE ON MOBILE DEVICES THAN ON COMPUTERS", LE FIGARO.

4G–5G *SPECTRUM TRANSITION,* ANALYSYS MASON.



Ronda de la Comunicación s/n Edificio Este 2 – 28050 – Madrid - 91 482 99 34 – comunicaciones@fesmcugt.org