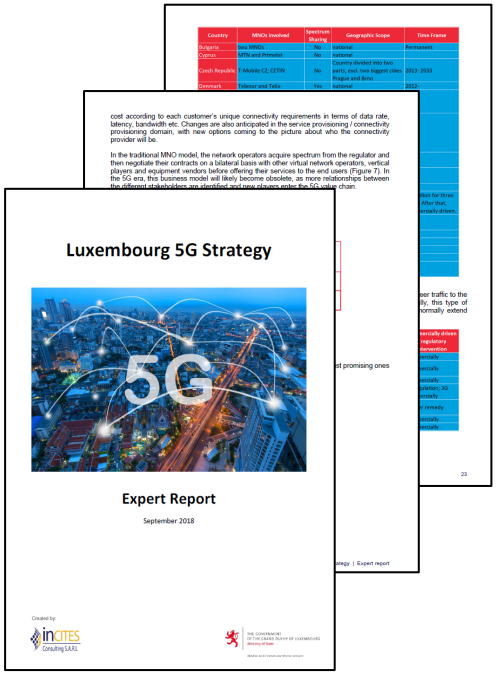
inCITES Consulting S.A.R.L

The future of Broadband in Europe

Dr. Ioannis Neokosmidis, CEO

What we do

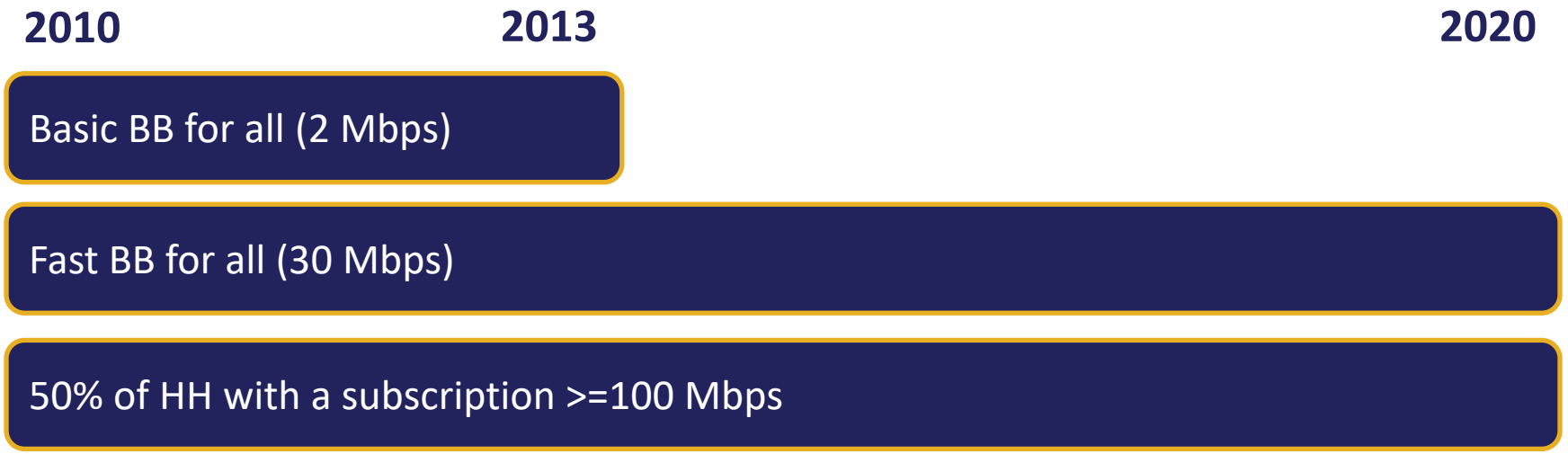
Consulting



Research

Prognosis

DAE Targets



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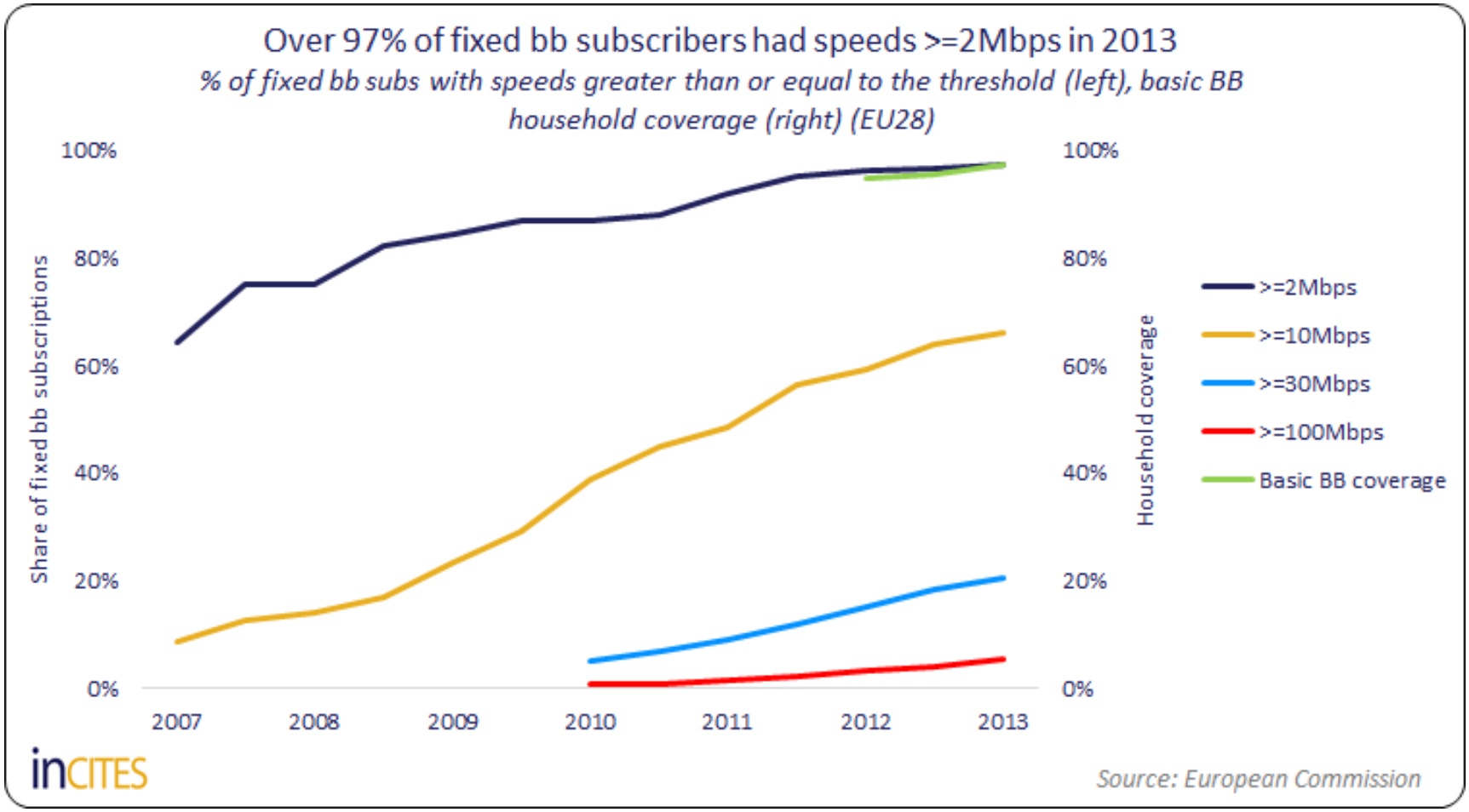
2Mbps for all by 2013



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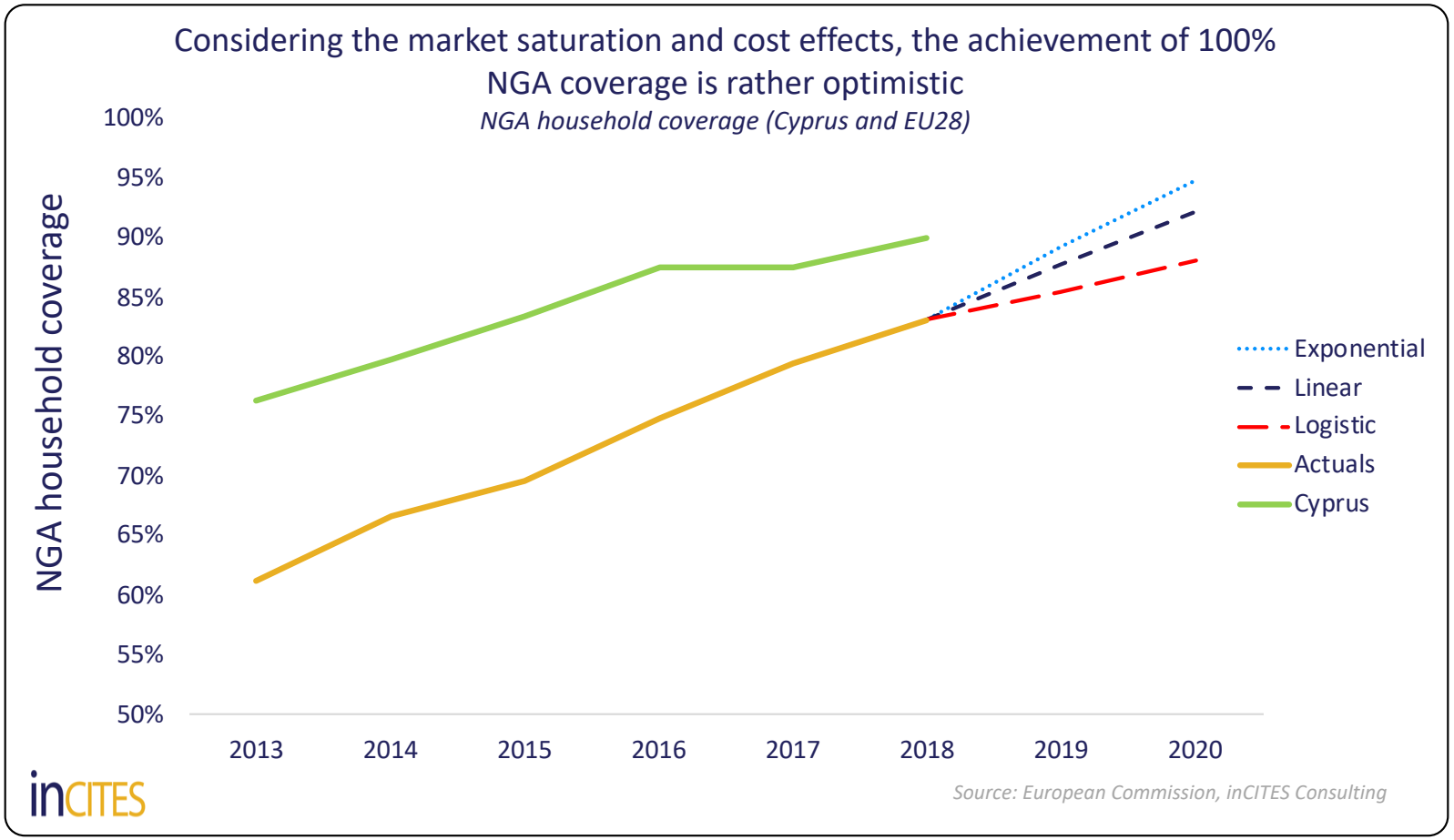
30Mbps for all by 2020



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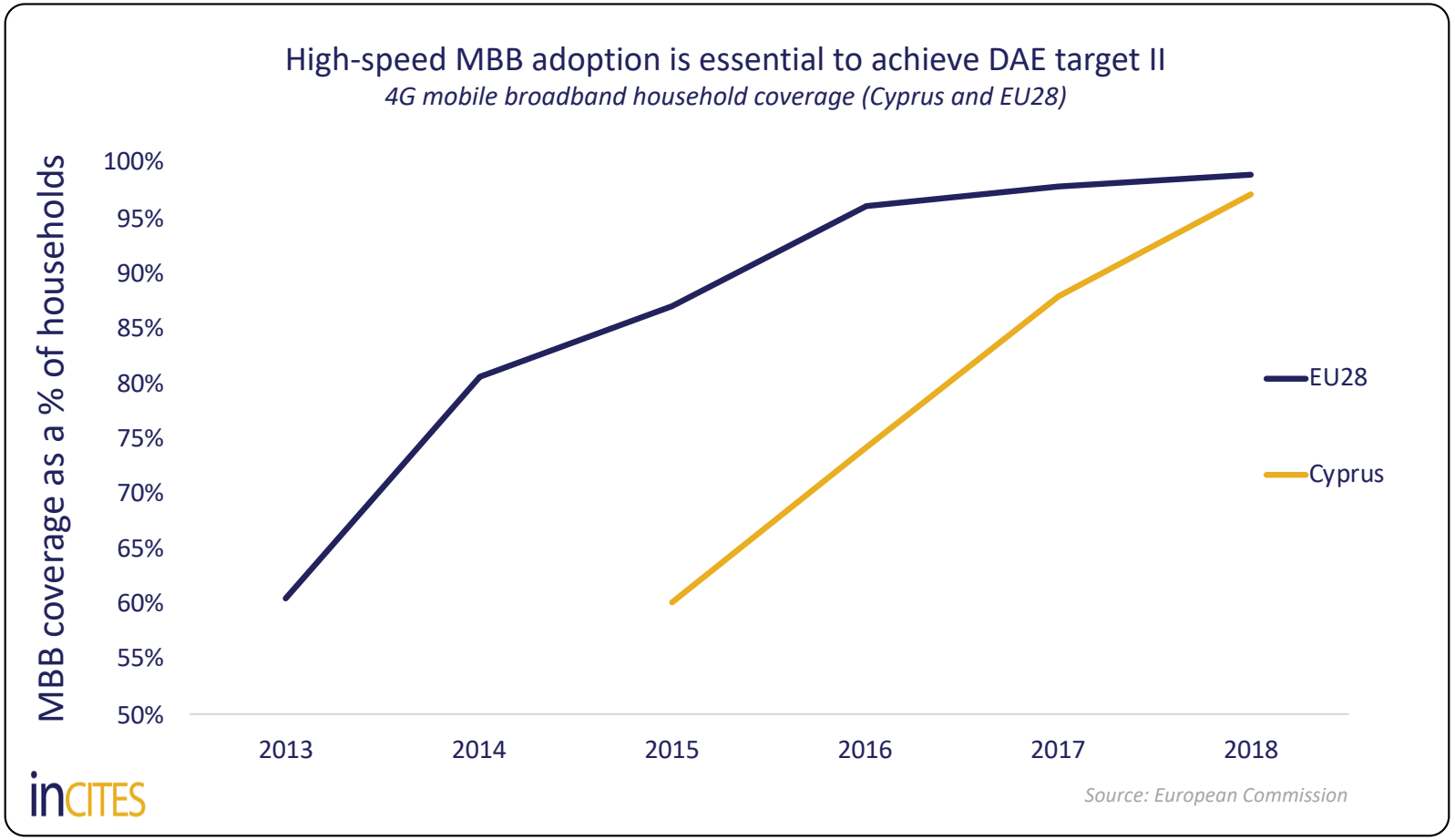
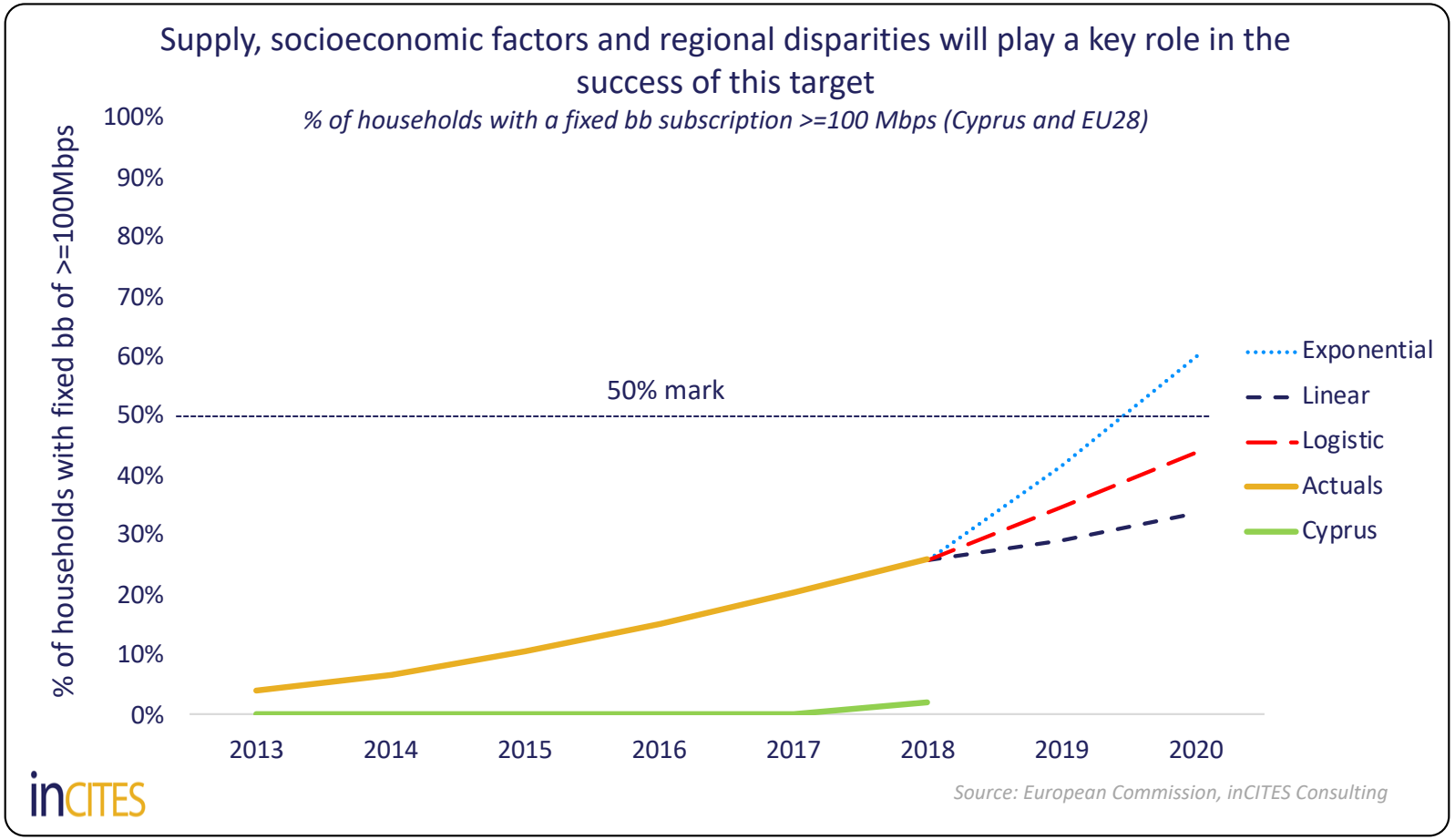
30 Mbps for all by 2020 - MBB



50% of HH with >=100 Mbps



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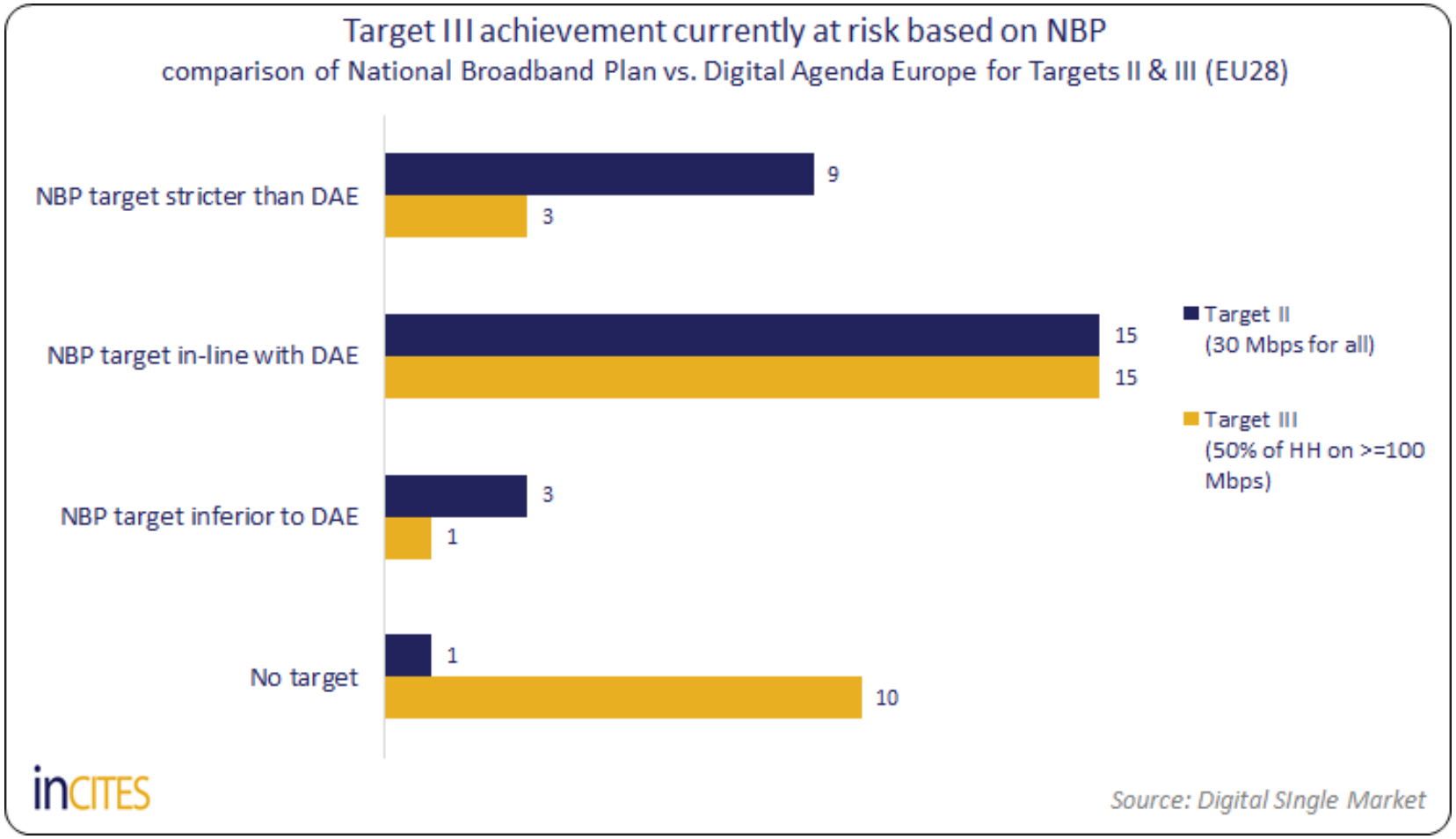
National agendas vs. DAE



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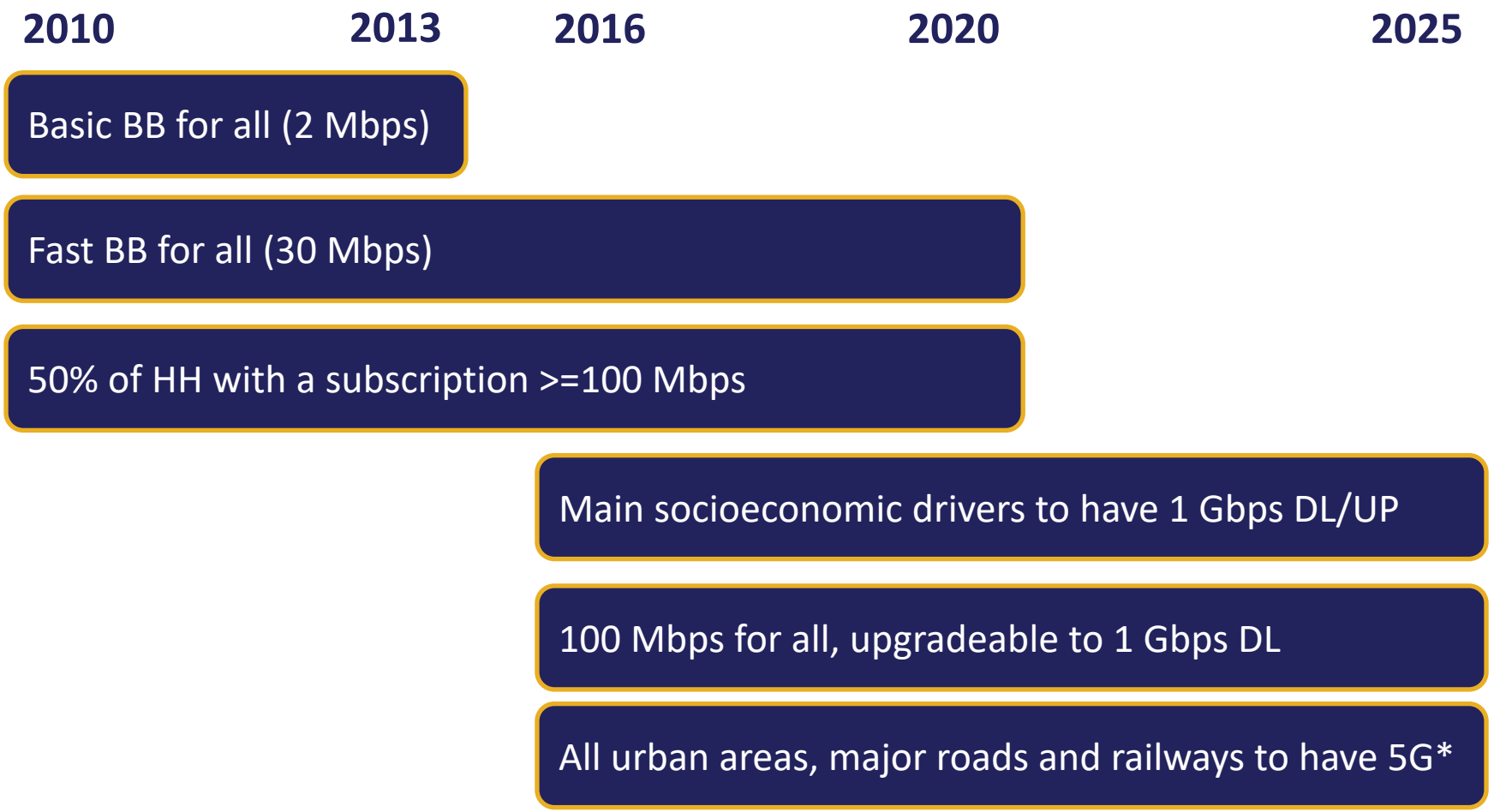
DAE Targets



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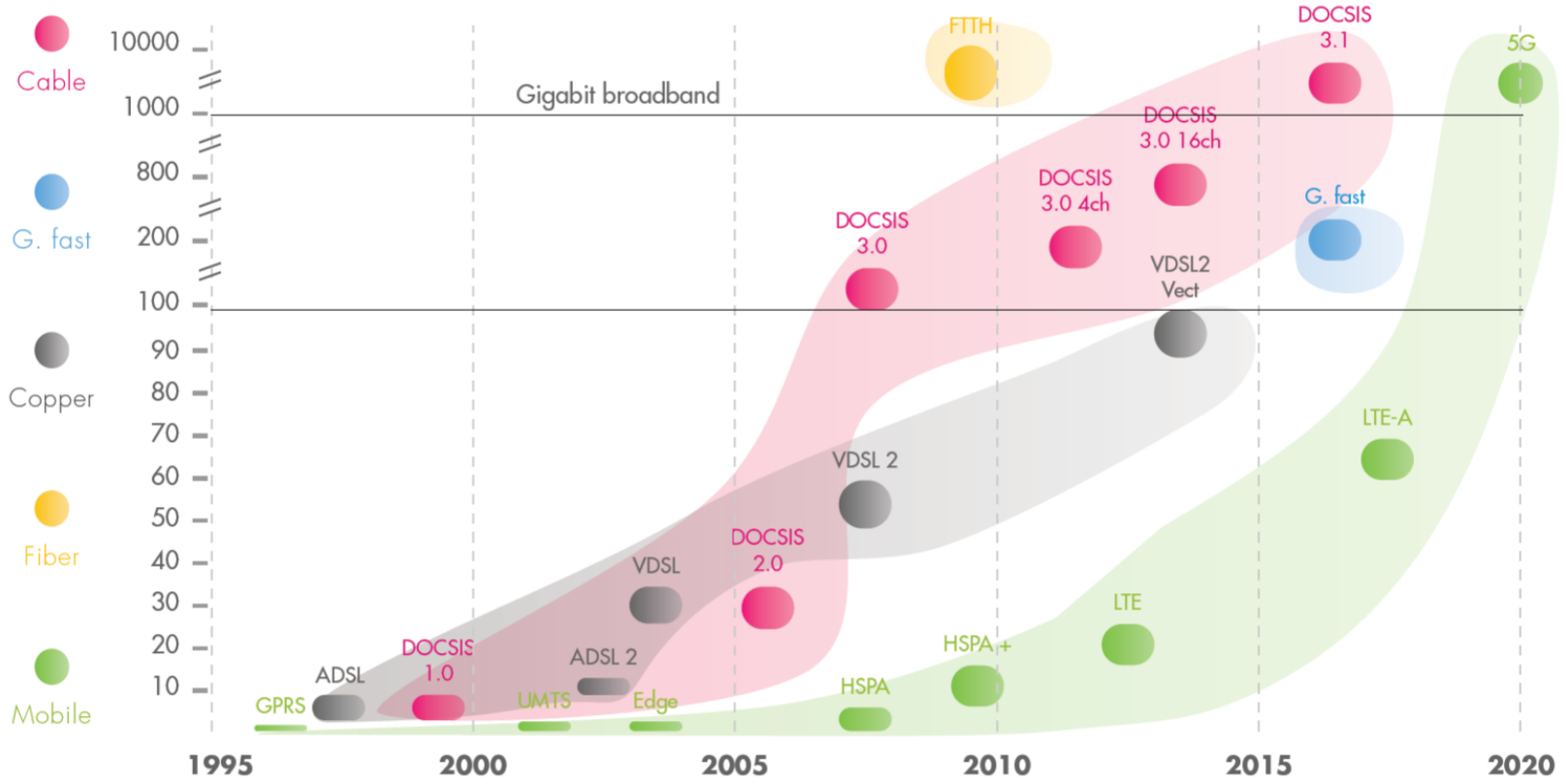
1 Gbps access for all by 2025

Only FTTH, DOCSIS 3.0/3.1 and 5G are capable of delivering speeds above 1Gbps

broadband access technology roadmap – downstream speed range



Source: Arthur D Little: Cable Operators' Contribution to the European Digital Landscape (Cable Europe, 2016)

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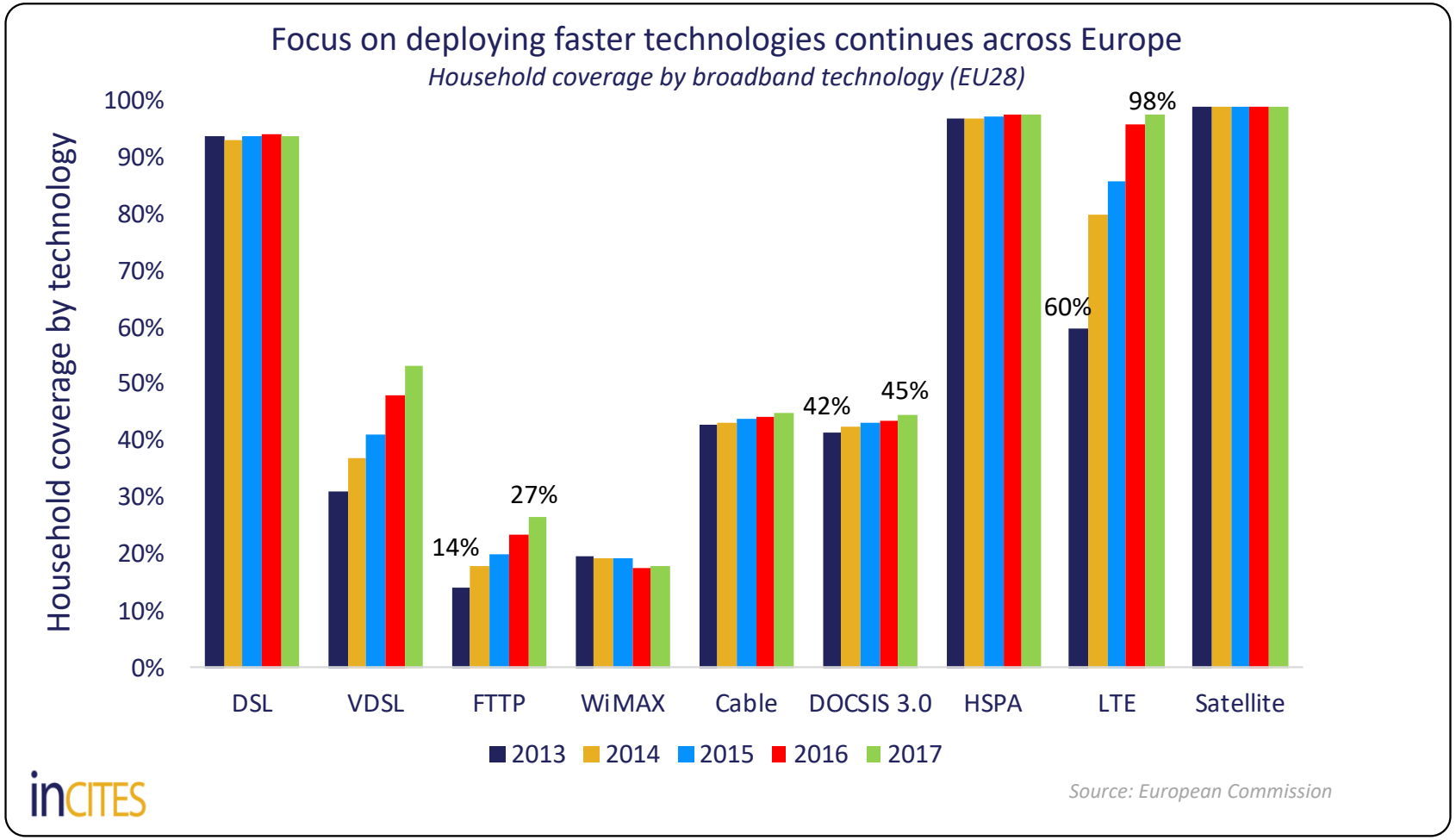
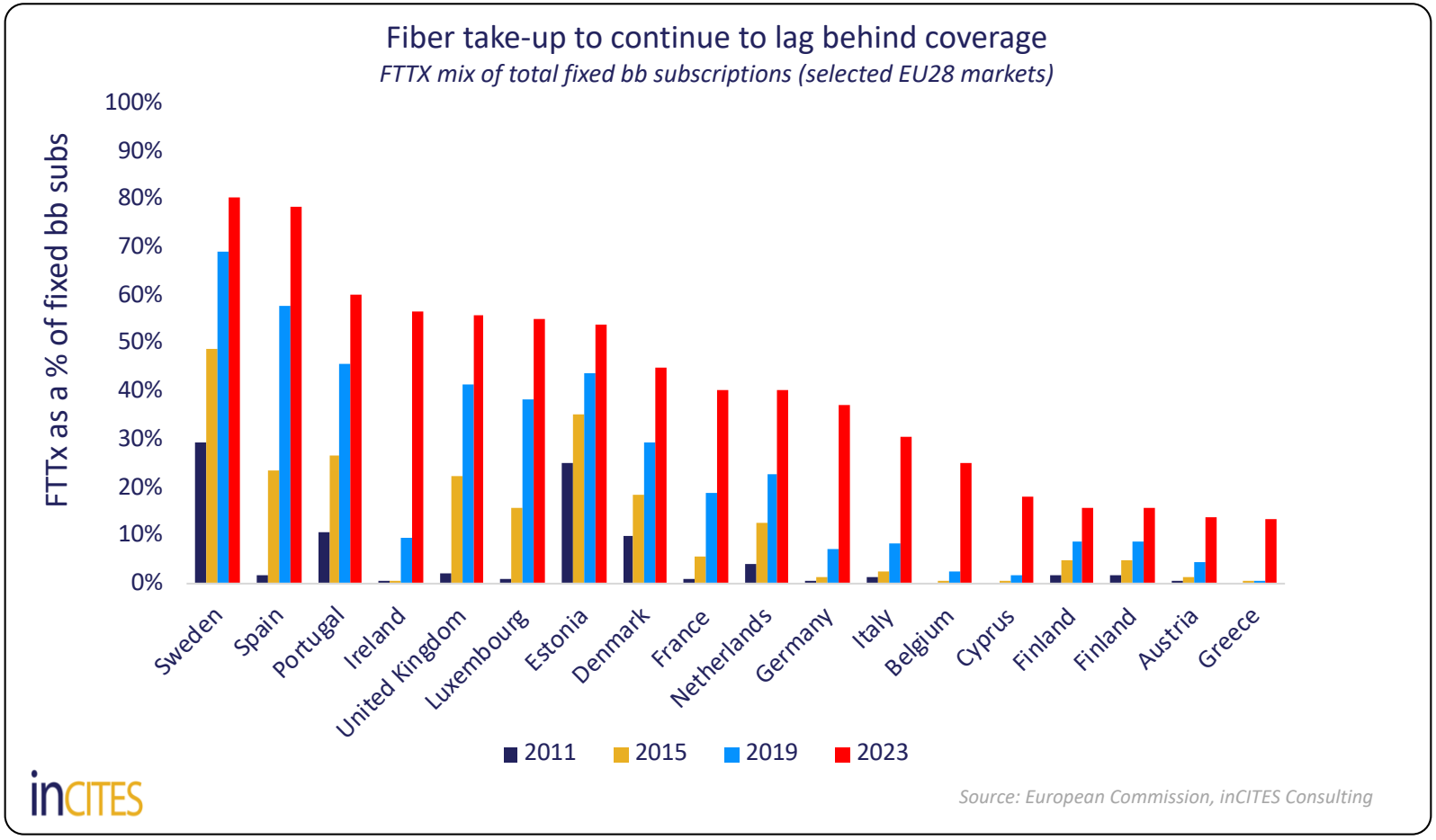
Coverage by technology



Key success factors

- Infrastructure competition
- Service demand
- Network-related factors
- Regulation
- State/municipality involvement

Fiber take-up forecast



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5G in all urban areas, major roads and railways

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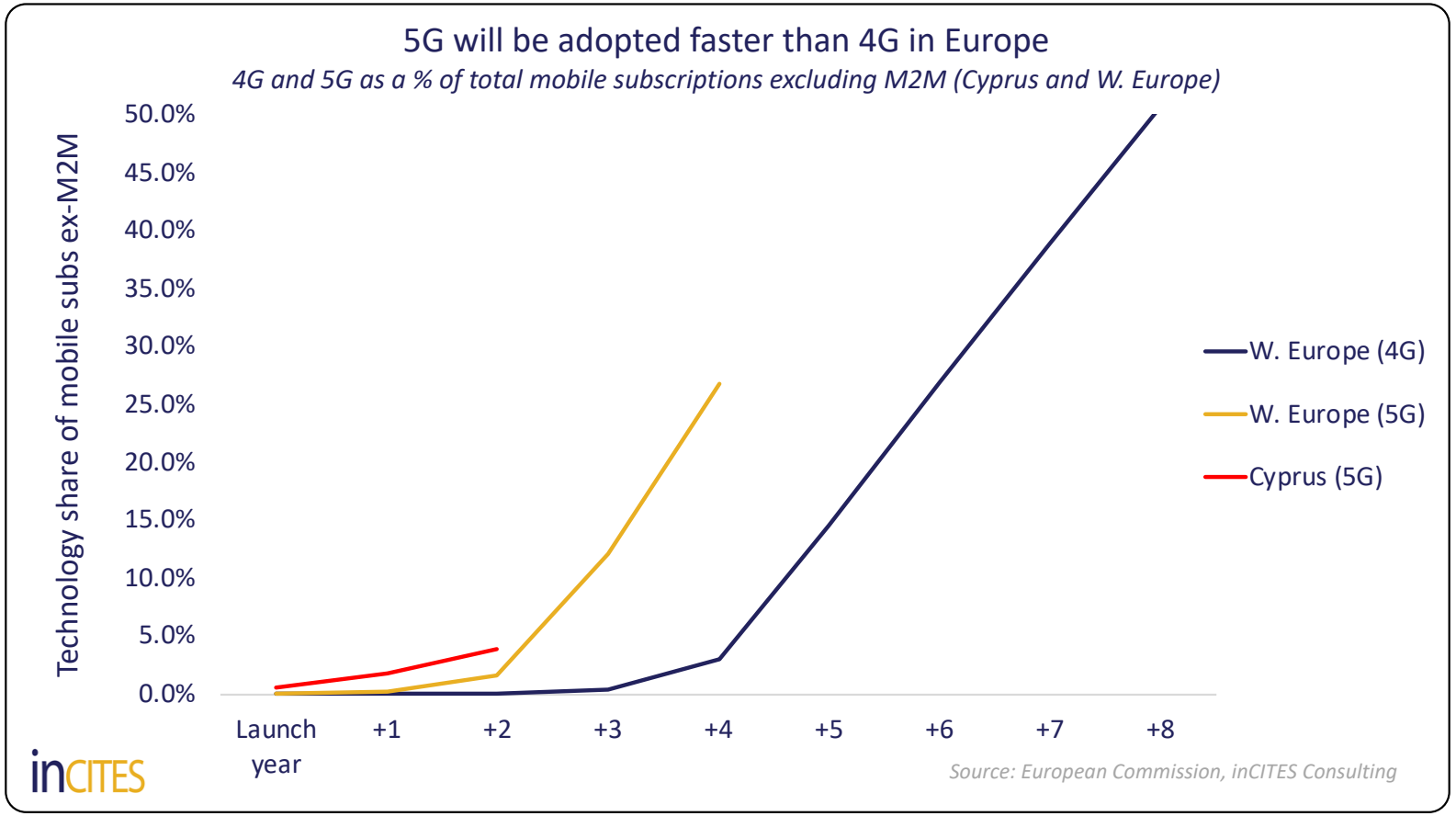
Key success factors

- Timely spectrum availability
- Fixed network infrastructure maturity
- CAPEX
- Regulation

inCITES 5G forecast



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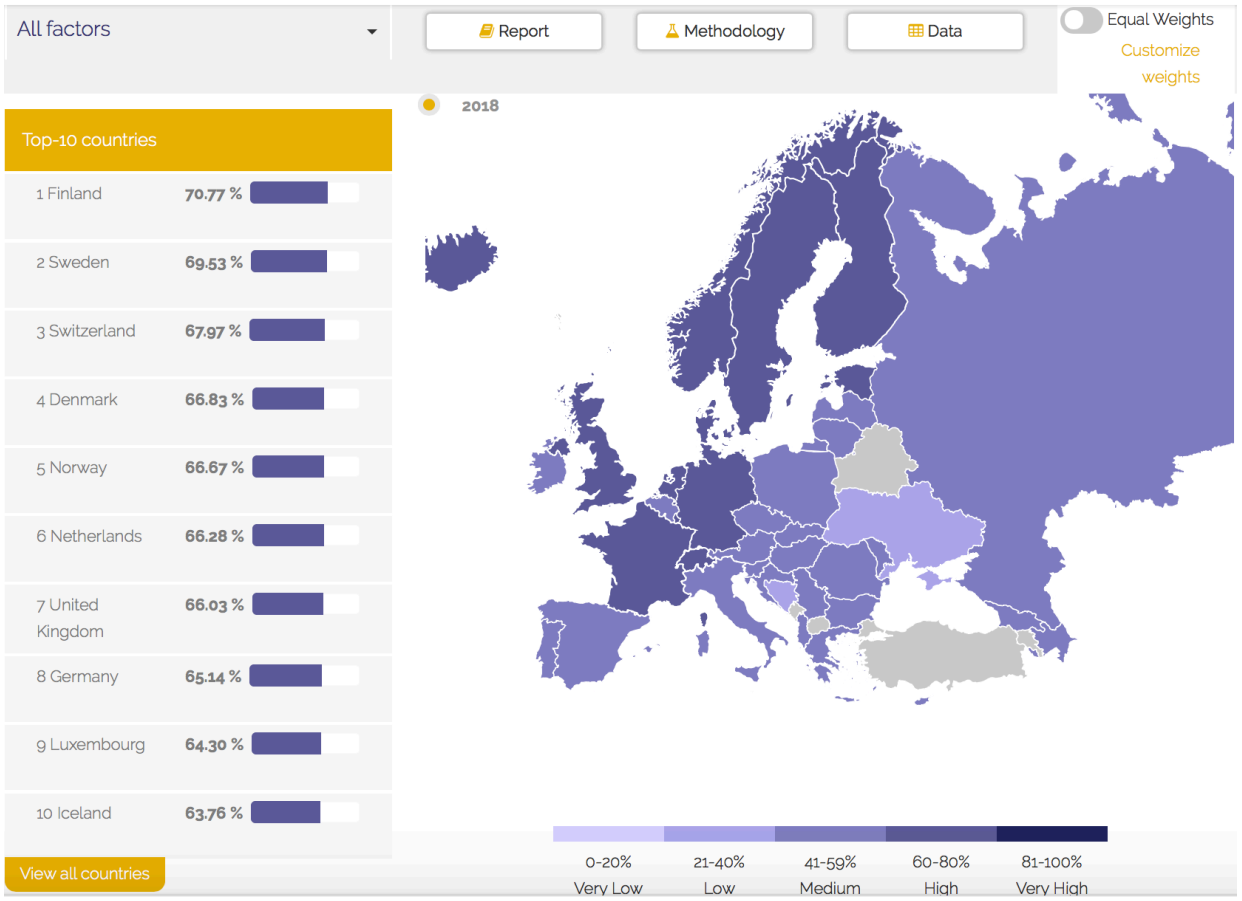
5G Readiness Index



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Data Sources

OpenSignal	EUROSTAT	ITU
World Bank	World Economic Forum	Packet Clearing House
5G Observatory	IMF	Prognosis

Top and Lower 10 countries

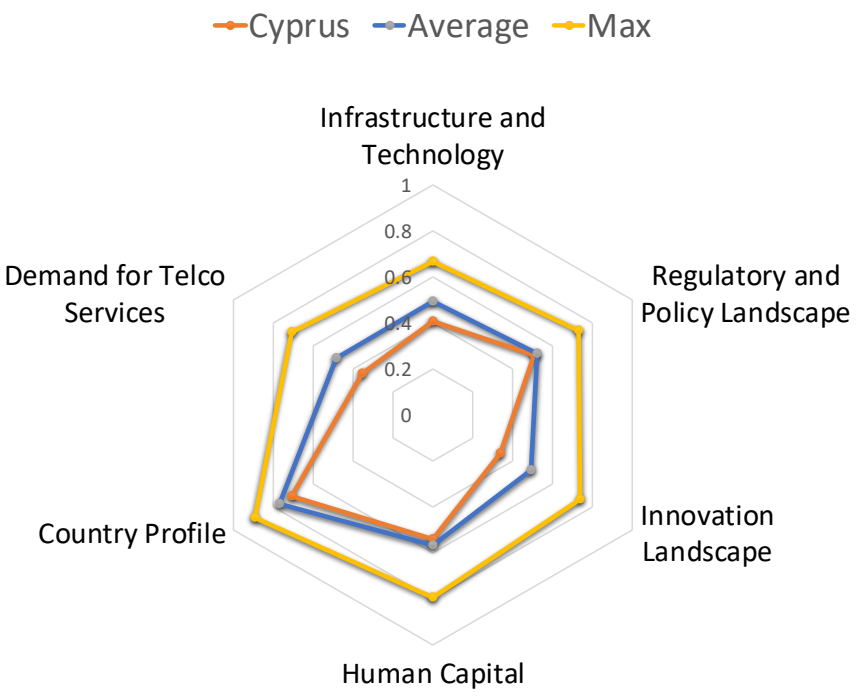
Rank	Country
1	Finland
2	Sweden
3	Switzerland
4	Denmark
5	Norway
6	Netherlands
7	United Kingdom
8	Germany
9	Luxembourg
10	Iceland

Rank	Country
29	Cyprus
30	Greece
31	Croatia
32	Georgia
33	Bulgaria
34	Serbia
35	Moldova
36	Albania
37	Ukraine
38	Bosnia & Herzegovina

5G readiness of Cyprus

46.16	29 / 38	18 / 20
Index score	Global rank	Regional rank

Infrastructure & Technology	40,18(29)
Regulation & Policy	50,83(18)
Innovation Landscape	33,74(31)
Human Capital	54,34(25)
Country profile	71,30(31)
Demand	35,87(35)



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5G readiness of Cyprus

46.16	29 / 38	18 / 20
Index score	Global rank	Regional rank

- Infrastructure & Technology — 64,27(4)
- Regulation & Policy — 34,60(35)
- Innovation Landscape — 42,87(23)
- Human Capital — 56,21(21)
- Country profile — 74,23(25)
- Demand — 43,61(25)

Effectiveness of law-making bodies	46,00
Laws relating to ICTs	48,33
Efficiency in settling disputes	38,33
Efficiency in challenging regulations	45,00
...	

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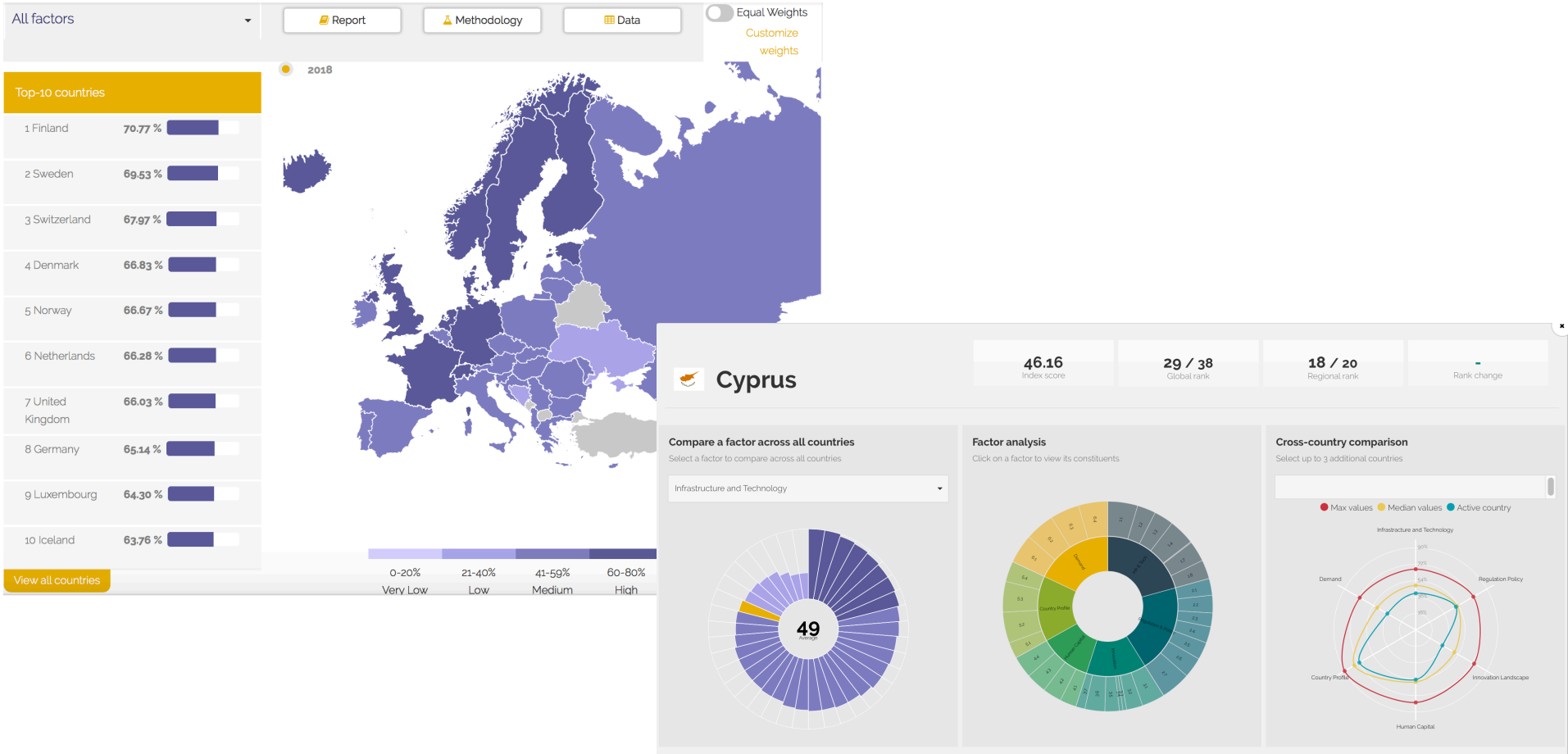
Visit our online tool…



https://www.incites.eu/europe-5g-readiness-index

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Key Takeaways

Thank you!

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