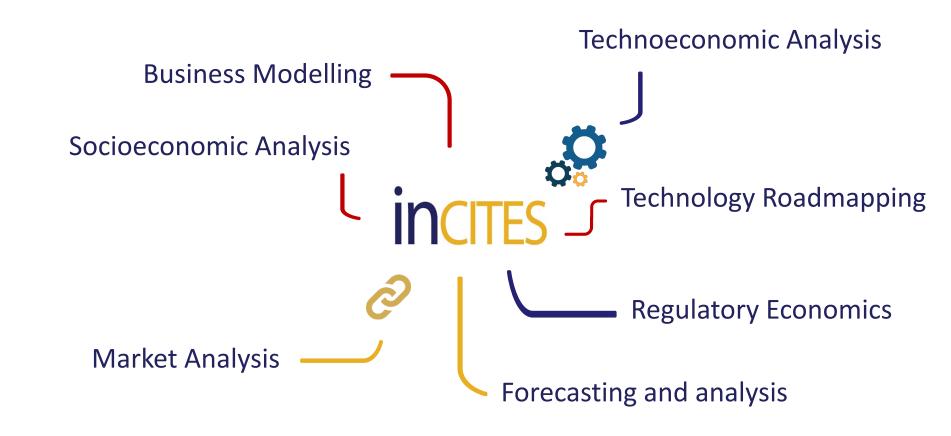


5G: Are you ready for the change?

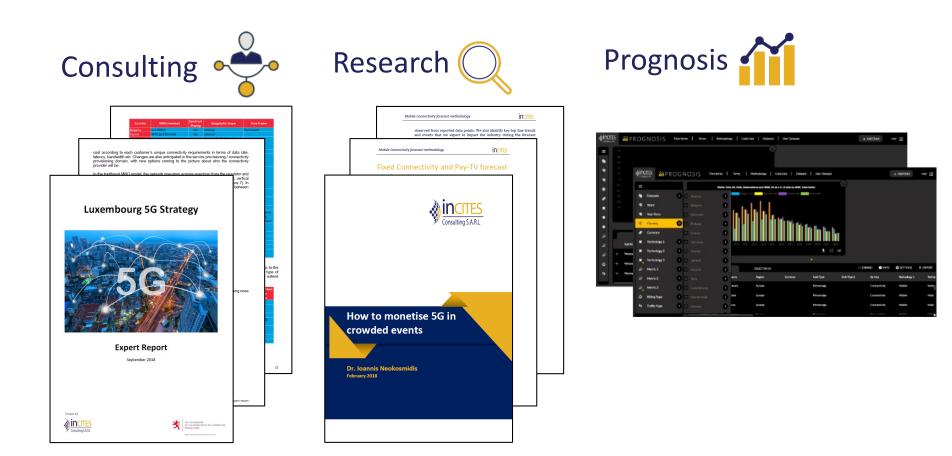
Dr. Theodoros Rokkas, CTO

inCITES Consulting



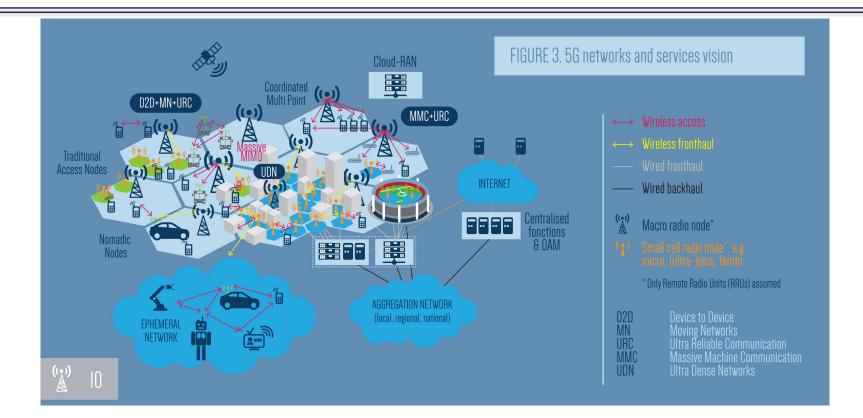


What we do





5G Vision



Enhanced:

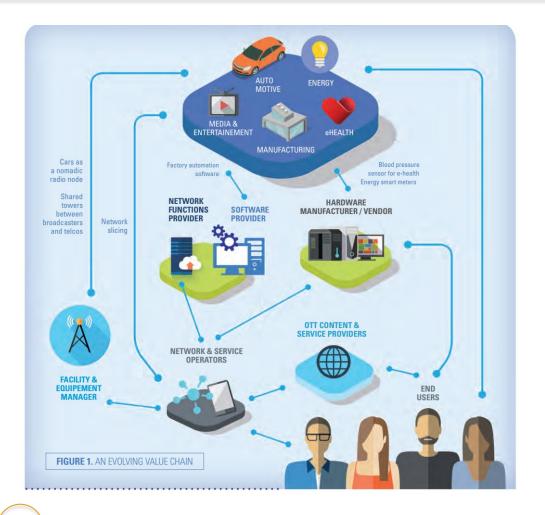
- Performance
- Flexibility
- Individualization

Innovative business opportunities:

- B2C
- B2B
- B2G



5G ecosystem



Network Service Providers

Network Infrastructure managers

Software Network Function Providers

IT Service providers

Business customers (SMEs)

Brokers



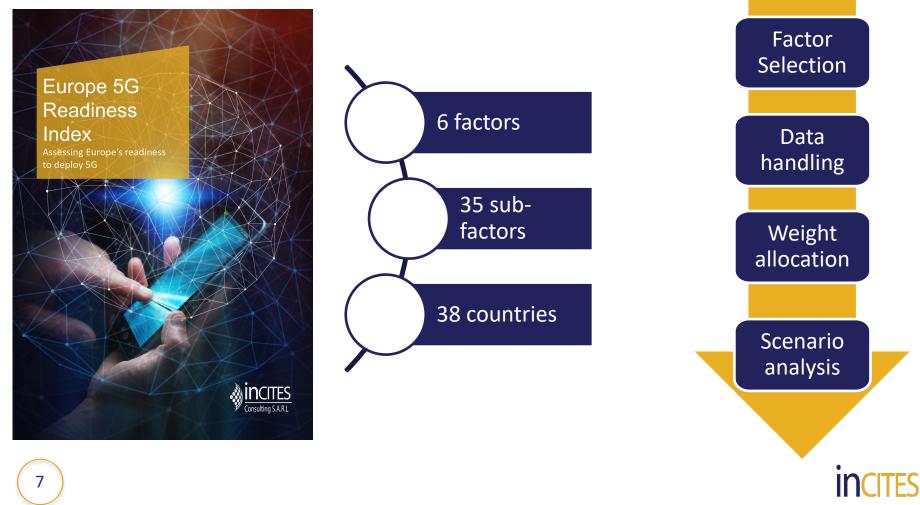
Roadmap





Europe 5G Readiness Index

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

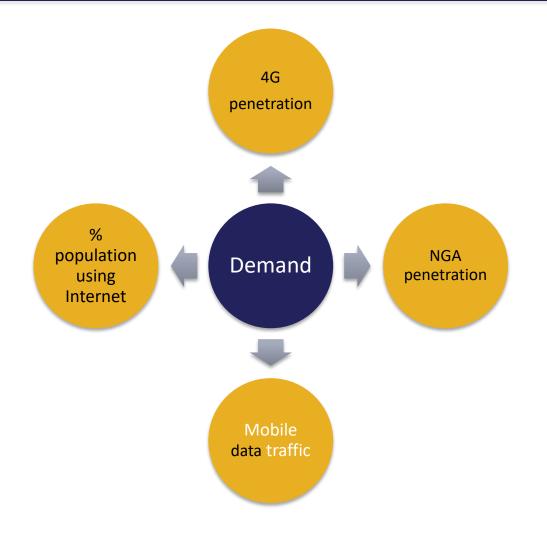


Main Factors

Infrastructure and technology	• Existing fixed and mobile infrastructure that will be used in 5G networks as well as preparatory steps such as spectrum auctions and trials		
Regulation and Policy	 Relate to the regulatory and policy framework 		
Innovation Landscape	 Potential contributors to the development of the new technology from a research and financial perspective 		
Human Capital	 Quality of the education system and lifelong learning initiatives 		
Country profile	• Existing economic state of a country, existing ICT industry competition and the government's reception of new technologies.		
Demand	 Reception of new fixed and mobile technologies as well as the use of the Internet 		

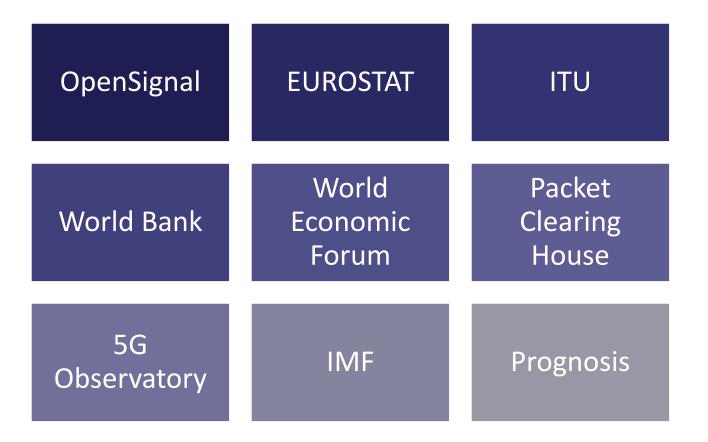


Demand subfactors





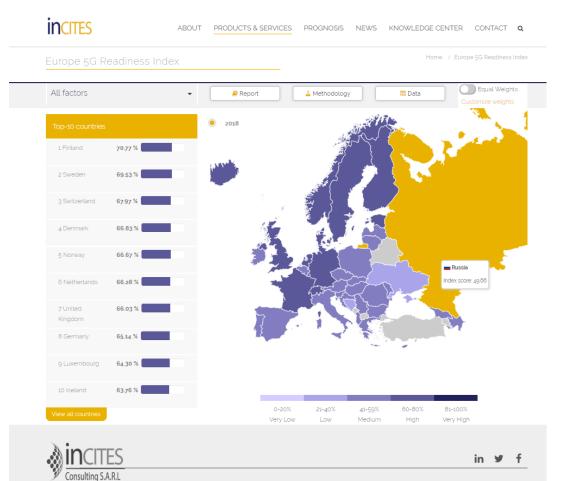
Data Sources





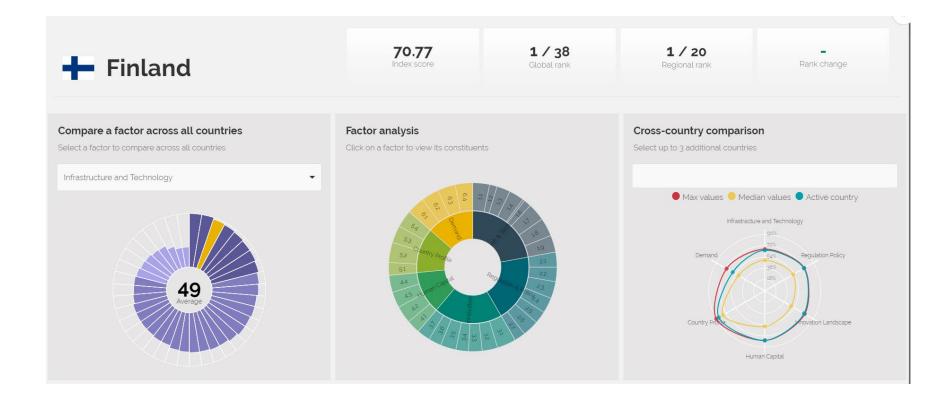
Europe 5G Readiness Index





The content of the site reflects a general description of the company as well as its activities. There can be no guarantee that such information will be accurate in the Contact information: 130, Route d' Arlon

Europe 5G Readiness Index





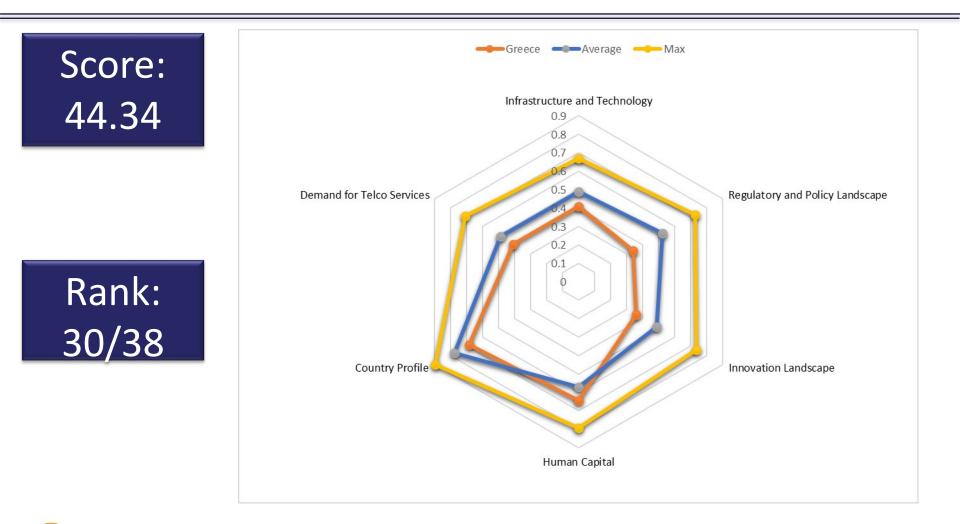
Top-Bottom performers

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



Greece's 5G Readiness



incites

Individual factor ranking

Factor		Rank		Infrastructure and Technology	Regulatory and Policy		
Infrastructure and Technology		30					
Regulatory and Policy		37		Fiber CoverageSpectrum	 Effectiveness of law bodies Legal system in setting disputes 		
Innovation Landscape		29					
Human Capital		9					
Country Profile		36		auctions			
Demand for Telco Services		29					
	Innovation Landscape	Hur	Human Capital		Country Profile	Demand	
	 R&D expenditure University – Industry collaboration 	• Av	 Tertiary Availability of scientists are engineers 		 GDP Importance of ICT to government's vision 	 NGA penetration 	
(15)							

INCITES

Current 5G initiatives in Greece

- Cities:
 - Kalamata, Patra, Trikala, Zografou
- Corridor:
 - Thessaloniki, Sofia-Belgrade: Letter of Intent
- Spectrum auctions
 - 3.4-3.8GHz Q42019
 - 700MHz End 2020
 - 26GHz 2019-2020



Current 5G initiatives in Europe

- Commercial networks
 - Finland (Tampere)
 - Estonia (Tallinn)
 - Austria (Rural areas)
 - Switzerland (50 cities)
 - UK (Parts of cities)
- Live tests in five cross-border corridors
- National Strategies (10 countries)
 - Austria, Estonia, Finland, France, Germany, Luxembourg, Spain, Sweden, Netherlands, UK



How to improve our 5G readiness

- Create ecosystem
- Consider 5G in NGA deployments
- Leverage:
 - Human capital
 - New applications and services (tourism)



Thank you!









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