

ITU Regional Forum for Europe 5G Strategies, Policies and Implementation

National 5G Strategy and policy in Spain

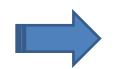
22 October 2020



SECRETARÍA DE ESTADO DE TELECOMUNICACIONES E INFRAESTRUCTURAS DIGITALES

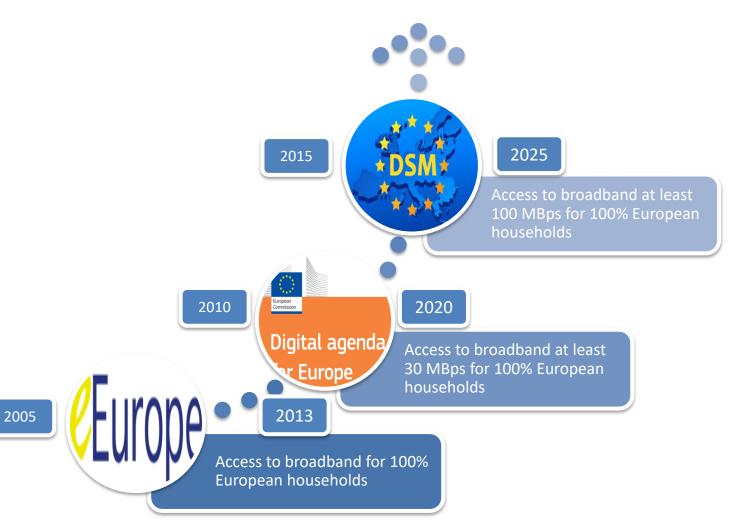
Connectivity, a European key objective

Shaping Europe's digital future



A European approach to digital transformation

Widespread broadband availability has always been one of the key objectives of the European Union



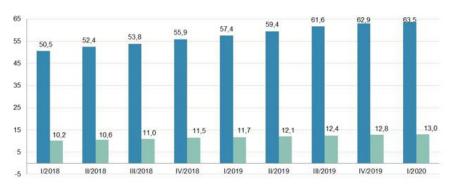


5G Technology Context

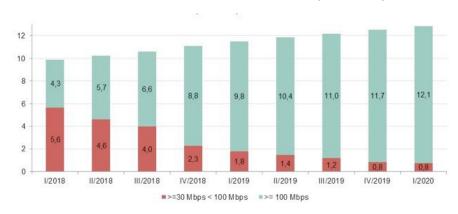
- 5G Launch Plan in all technology leading nations in Europe and around the world
- 5G: a stake in the digital future of Europe
 - 5G for Europe Action Plan (September 2016)
 - Ministerial Declaration of Tallin on 5G (July 2017)
 - 5G Roadmap (December 2017)
 - European 5G Observatory (July 2018)
 - Communication: Shaping Europe's digital future (February 2020)
- Telecommunications Market in Spain
 - Spain is nowadays a leader in deployment of ultrafast networks
 - LTE availability for more than 99% population
 - 63,5 millions NGA access, the widest European Fibre Network (52,8 millions)

(Source: CNMC quarterly statistics I 2020) (http://data.cnmc.es/datagraph/jsp/inf_trim.jsp)

Evolution of NGA Access (millions)

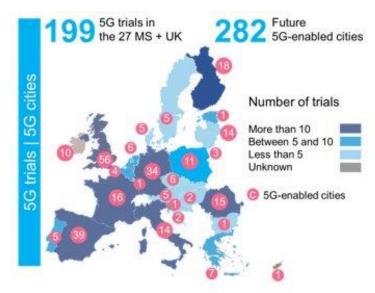


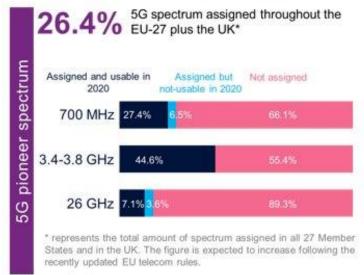
Fixed broadband Subscribers (millions)



Source: CNMC

5G Indicators in Europe (September 2020)









5G NATIONAL PLAN 2018-2020

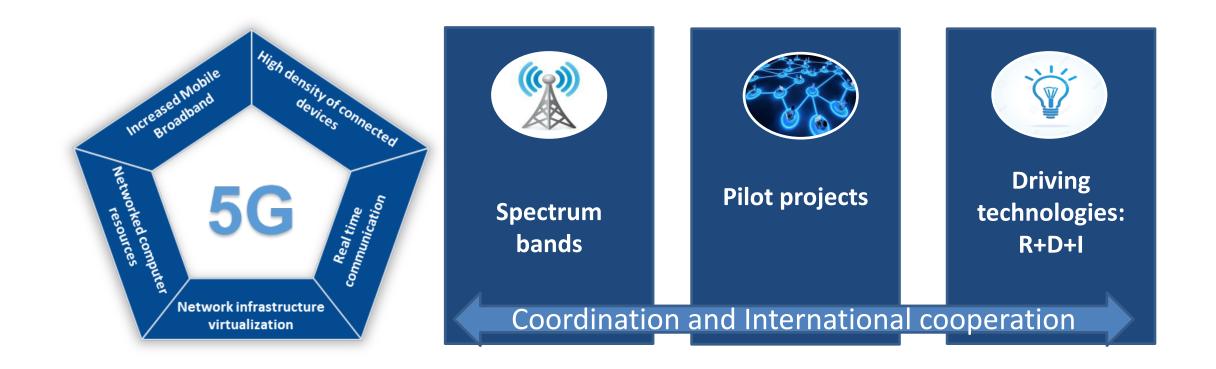
https://avancedigital.gob.es/5G/Documents/plan_nacional_5G_en.pdf



5G National Plan 2018-2020

The aim of the 5G National Plan is placing Spain among the most advanced countries in this new technological paradigm.

When 5G reaches its technological and commercial maturity, Spain shall be ready to harness all the opportunities.



5G National Plan Key Actions

2017

Public consultation

5G National Plan

2018

- Call for the tender of the first frequency bands
- Call for R&D&I pilot projects and actions
- Definition of a national 700 MHz-band roadmap

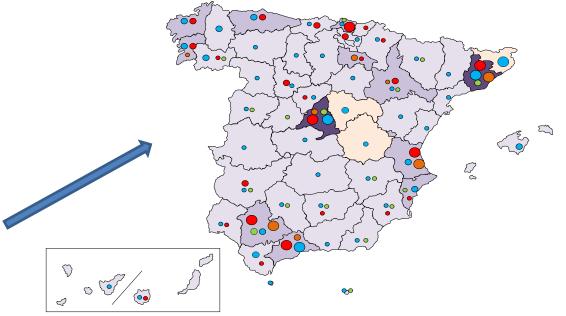
2019-20

- Deployment of pilot projects and use cases
- Release of the second digital dividend according to the national roadmap.
- Medium-term evaluation and potential new actions

2020

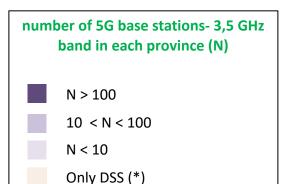
• 5G commercial deployment





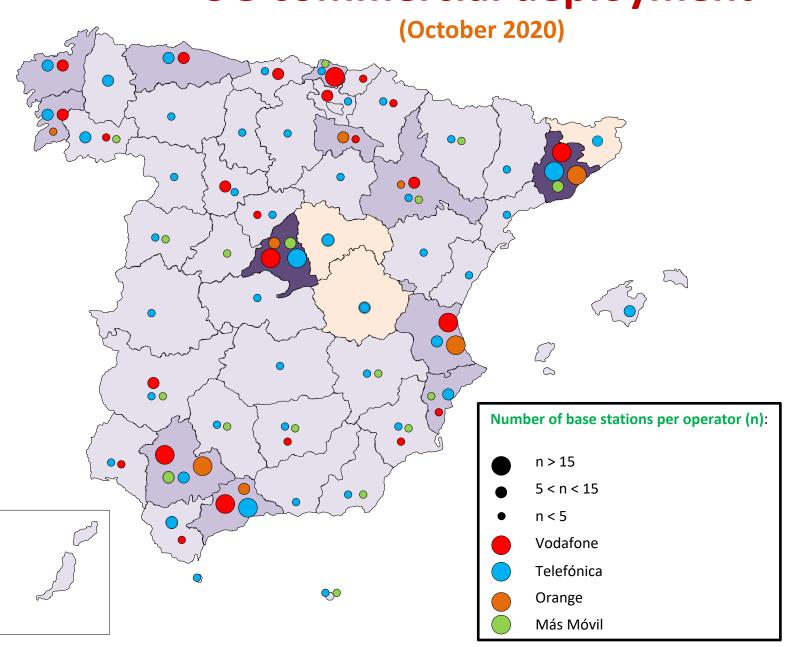
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5G commercial deployment



(*) Dynamic Spectrum Sharing (DSS):

Some mobile network operators are also offering 5G services implementing DSS funcionality in the 1800 MHz and 2 GHz bands.



2025 DIGITAL SPAIN

https://www.mineco.gob.es/portal/site/mineco/menuitem.32ac44f94b634f76faf2b910026041a0/?vgnextoid=c3285b23f3083710VgnVCM1000001d04140aRCRD&lang_choosen=en_

2025 DIGITAL SPAIN

- Digital Spain 2025 contains a collection of measures, reforms and investments, organised around ten strategic axes, aligned with the digital policies defined by the European Commission for the new period.
- Digital Spain 2025 proposes a cross-cutting objective closely aligned with the Sustainable Development Goals (SDGs) and the 2030 Agenda: making a significant contribution to closing the various digital divides.

1. DIGITAL CONNECTIVITY

2. PROMOTING
5G
TECHNOLOGY

3. DIGITAL SKILLS

4. CYBERSECURITY

5. DIGITAL
TRANSFORMATION
OF THE PUBLIC
SECTOR

6. DIGITAL
TRANSFORMATION
OF BUSINESS AND
DIGITAL
ENTREPRENEURSHIP

7. PROJECTS
TO DRIVE
SECTORAL
DIGITALISATION

8. SPAIN MAGNET
FOR INVESTMENT
AND TALENT IN
THE AUDIOVISUAL
SECTOR

9. DATA ECONOMY

AND

ARTIFICIAL

INTELLIGENCE

10. DIGITAL RIGHTS

SECRETARÍA DE ESTADO
DE TELECOMUNICACIONES
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1. DIGITAL CONNECTIVITY



- ☐ The objective is to guarantee proper digital connectivity to 100% of population, promoting close the digital divide between rural and urban areas
- ☐ Goal for 2025: 100% of the population with coverage of 100 Mbps

four specific objectives

Driving the economic, social and territorial cohesion of the country

Promoting the development of digital infrastructure as a lever for economic growth

Closing the new social divides where inequality stems from a lack of access to or use of the Internet

Positioning Spain as the standout centre for cross-border interconnection digital infrastructure in Southern Europe

2. PROMOTING 5G TECHNOLOGY

- ☐ The national strategy for promoting the deployment of 5G will renew the 5G National Plan (2018-2020), aligned with the European Commission communication "5G for Europe: An Action Plan". At the national level, the policy for promoting 5G will be aligned, at an early stage, with the revised Union action plan envisaged in the communication "Shaping Europe's digital future".
- ☐ The main objective will be to maintain Spain's leadership in the development of 5G networks and services in Europe, incentivizing its contribution to productivity, social and economic progress and territorial cohesion (2025 goal: 100% of the radio spectrum ready for 5G).



three specific objectives

Strengthening
Spain's leading
position in the
development and
deployment
of 5G network

Developing a reliable environment for the roll-out of 5G services

Supporting the early roll-out of 5G by economic operators

Promoting 5G technology

Measures

LEADERSHIP IN ALLOCATION OF EUROPEAN OTHER RELEASING THE 5G PILOTS AND NEW PROJECTS FOR THE PRIORITY DEVELOPMENT **REGULATORY REGULATORY SECOND MEASURES TO FREQUENCY** OF 5G **PROPOSAL FOR INNOVATION IN DIGITAL PROMOTE THE MEASURES TO BANDS TRANSPORT NEW 5G DIVIDEND IN DEPLOYMENT AND FACILITATE 5G REQUIRED FOR CORRIDORS GENERATIONS CYBERSECURITY** 2020 **ADOPTION OF 5G DEPLOYMENT 5G IN 2021 OF MOBILE TECHNOLOGY**



Thank you very much

Antonio Fernández-Paniagua Díaz-Flores

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