

# Digital Transformation in Spain

## Digital Spain 2025 and Recovery Plan

March, 11<sup>th</sup> 2021

# 7 Digital Plans connecting Digital Spain 2025 and the Recovery Plan

## Digital Connectivity

- The Digital Infrastructures and Connectivity Plan for society, economy and the territories



100% of the population with more than 100 Mbps

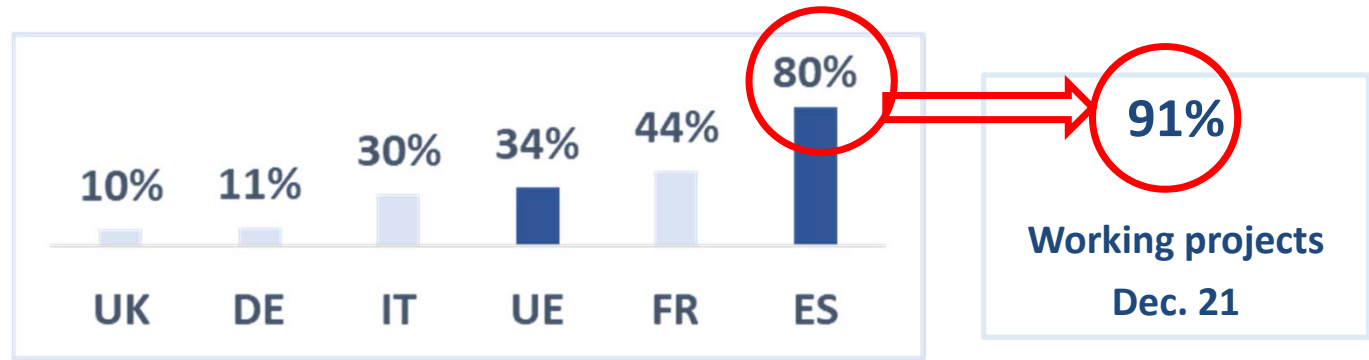
## Promotion of 5G Technology

- Strategy for the Promotion of 5G Technology

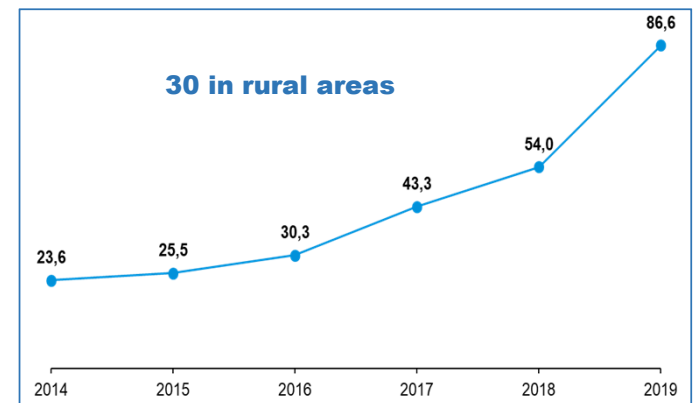
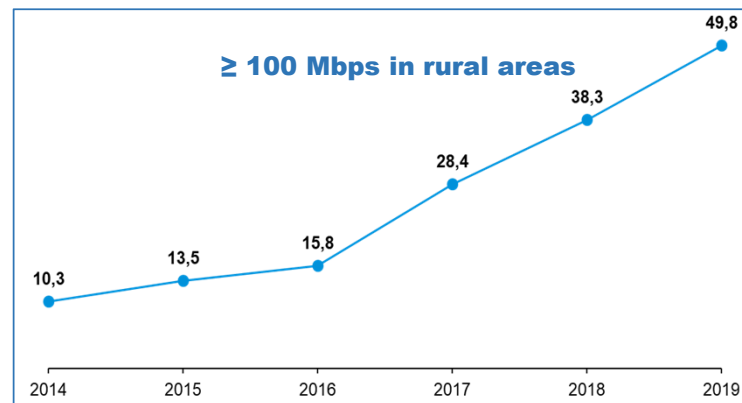


100% of the radio spectrum ready for 5G

Digital Connectivity



FTTP coverage (% households) in the European Union (Jun-2019)



Digital connectivity is a key factor for the development of the economic activity, for the increase in productivity, for the promotion of innovation and for territorial and social structuring.

## A plan to connect people, business and territories.



### Objective 1

To eliminate social and territorial gaps

- Providing digital infrastructure on all sites to the entire population

### Objective 2

To boost economic growth

- Encouraging employment generation and private investment

### Objective 3

To support the digital transformation

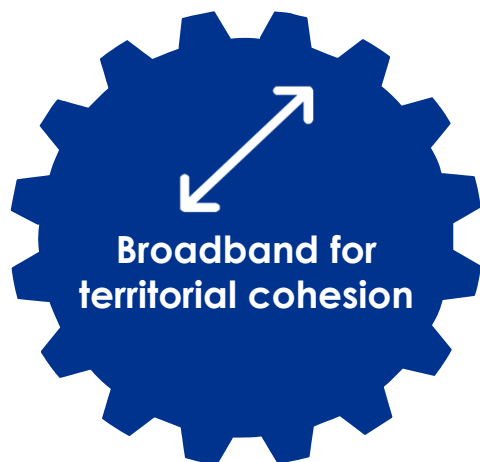
- Expanding digital services
- Accelerating teleworking, telesales, teleservice,...

### Objective 4

Access to essential services at a distance

- Include all citizens in education and health services

## Action lines around 5 components: 3 vertical - 2 transversal



## 15 key measures, highlighting:

- **Extension of ultra-fast broadband**
- **Connectivity vouchers to finance the connection of vulnerable groups at risk of exclusion due to the difficulty of access to connectivity for economic reasons.**
- **Gb connectivity in the technology islands:** industrial areas, data centres, logistics centres, research centres and other specific locations
- **Connectivity vouchers for SMEs**
- **Commitment to cross-border digital infrastructures, the attraction and development of data infrastructures and Cloud technologies.**
- **Integration of energy efficiency in technological development and evolution towards carbon-neutral technologies**
- **The development of a regulatory framework that guarantees legal security**
- **The renewal of public information systems for data-based decision-making**

Line of action	Associated goal
Broadband extension to favour territorial structuring	100% of the population with 100 Mbps coverage in 2025
	100% 30 Mbps mobile broadband coverage by 2023
Business Connectivity	100% of industrial parks with scalable connection to Gigabit in 2025
Spain Data Hub	30% increase in current installed IT power by 2025 due to new and expansion of existing digital infrastructure
Regulatory Reform and Information Systems	Approval of new General Telecommunications Law in 2021
	Operational Connectivity Map, providing complete and friendly information to know the availability of the broadband connectivity services in each area of the Spanish territory
Budget 2021 (M €)	Budget 2021-25(M €)
583	2320



Promotion of 5G Technology

Disruptive technology, transformative of the way we produce goods, we provide services, we interact with the environment, we communicate.

**This is a plan to exploit the full potential of this technology...  
...building from our strengths.**

Spain leads the ranking of 5G pilot experiences, with 32 out of 245 pre-commercial pilot experiences across the European Union.




Two 5G cross-border corridors.

Spain is the second European country in number of "5G Cities"



## Six Strategic Objectives:

1. To support economic recovery and job creation.
2. To strengthen economic, social, and territorial cohesion, closing social, economic or gender digital gaps
3. To contribute to the transformation of the productive sectors and the transition towards a new economic and social model.
4. To promote sustainable development.
5. To provide the country with the connectivity needed to increase its resilience to future crises
6. To favour the consolidation of Spain as one of the leading countries in technological deployment, and in R&D&I in the development of applications on new digital technologies in Europe, especially 5G.

STRATEGIC AXIS	ACTION LINE	MEASURES
<p><b>AXIS 1.</b> A radio spectrum enabled for 5G services</p> 	<ol style="list-style-type: none"> <li>1. 5G spectrum allocation</li> <li>2. 5G spectrum management</li> </ol>	<ol style="list-style-type: none"> <li>1. Provision of the 700 MHz band</li> <li>2. Provision of the 26 GHz band</li> <li>3. Rearrangement of the 3.5 GHz band</li> <li>4. Enabling the Harmonized Bands for use in 5G</li> </ol>
<p><b>AXIS 2.</b> Effective support for the deployment of 5G networks and services</p> 	<ol style="list-style-type: none"> <li>1. Incentives for the deployment of 5G networks</li> <li>2. Demand-side and 5G ecosystem promotion</li> </ol>	<ol style="list-style-type: none"> <li>5. 5G deployment in town centres</li> <li>6. 5G deployment in transport corridors</li> <li>7. Deployment of 5G mobile networks</li> <li>8. Good practices guide and support to local authorities for deployment</li> <li>9. 5G in sectoral digitisation tractor projects</li> <li>10. Promoting innovation in 5G technology</li> <li>11. 5G Cybersecurity Ecosystems</li> </ol>
<p><b>AXIS 3.</b> A regulatory and administrative framework to boost the deployment of 5G technology</p> 	<ol style="list-style-type: none"> <li>1. Reduction of administrative barriers to the promotion of 5G technology</li> <li>2. Legislation to boost 5G technology deployment</li> </ol>	<ol style="list-style-type: none"> <li>12. Simplification of administrative procedures</li> <li>13. Reducing deployment burdens</li> <li>14. Legal instruments for speeding up network deployment</li> <li>15. Cybersecurity Act 5G</li> </ol>

AXIS	ASSOCIATED GOAL	DESCRIPTION OF THE GOAL		
<b>Axis 1:</b> A radio spectrum enabled for 5G services	100% allocated	Spectrum prepared for 5G in the bands designated as preferential in the European Union		
<b>Axis 2:</b> Effective support for the deployment of 5G networks and services	75% of the Spanish population covered in the bands designated as preferential.	5G population coverage using the bands designated as preferential for 5G in the European Union.		
	Uninterrupted 5G coverage on the main roads and railways, as well as at singular points such as airports.	Coverage in communication paths.		
<b>Axis 3:</b> A regulatory and administrative framework to boost the deployment of 5G technology	Availability of a regulatory framework and instruments for certification, innovation and improvement.	5G Cybersecurity.		
			<b>Budget 2021 (M €)</b>	<b>Budget 2021-25 (M €)</b>
			<b>300</b>	<b>2000</b>

