



European Commission

#DSM

Digital Single Market

MORE AND BETTER INTERNET CONNECTIVITY REQUIRES INVESTMENTS IN HIGH SPEED & QUALITY NETWORKS

At work, at home or on the move, Europeans expect an internet connection that is fast and reliable. Encouraging investments in very high-capacity networks is increasingly important for all sectors but in particular for education, healthcare, manufacturing or transport. **All main socio-economic drivers will need access to extremely high – gigabit – connectivity** at every corner of the EU. These objectives can only be achieved with massive investments, mainly from private sources, but also some support will be needed from public sources.

WHAT IS THE SITUATION TODAY FOR CITIZENS AND BUSINESSES?

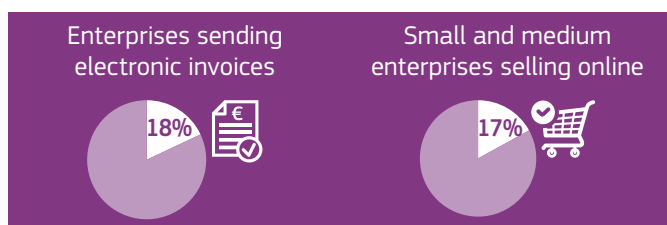
HOW DO PEOPLE CHOOSE AN INTERNET PROVIDER?



HOW MANY PEOPLE HAVE FAST INTERNET ACCESS?



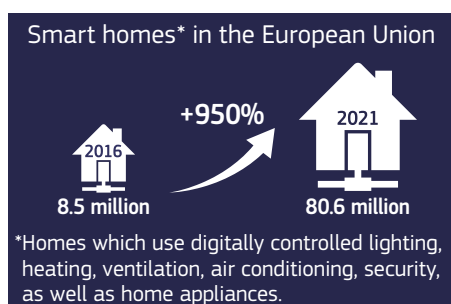
EUROPEAN BUSINESSES ARE INCREASINGLY ADOPTING DIGITAL TECHNOLOGIES



WHAT ABOUT SUPERFAST INTERNET COVERAGE (fiber internet)?




WHAT IS THE FUTURE?



The **deployment of 5G** is expected to generate €213 billion in revenues worldwide in 2025 and could lead to €113 billion in benefits per year across these sectors:


- automotive
- health
- transport
- energy

EU CONNECTIVITY TARGETS FOR 2025




100 Mbps
↓
Gbps

100 Mbps
in all EU households
which can be upgraded
to Gbps



All urban areas,
major roads, railways
By 2020,
5G available in at least
one major city in
each EU Member State



1 Gbps

1 Gbps in schools,
universities, research
centres, transport hubs,
hospitals, administrations
enterprises as leading
intensive users of digital
networks.

EU CONNECTIVITY TARGETS CAN ONLY BE ACHIEVED WITH MASSIVE INVESTMENT

To achieve the objectives of the 2025 “Gigabit” Society, it is necessary to invest €500 billion in very large networks. This money will largely have to come from private sources. Based on the current trend, there will be a deficit of €155 billion. These are the reasons why it is important to agree on a sound legal framework that favours investments in the EU.

Reaching EU connectivity objectives requires




€500 billion
investment
by 2025

Private investment needs




public support in less profitable areas

The investments triggered could boost



+€910 billion
GDP by 2025

These investments will help creating



2.3 million new jobs
by 2025

WHAT DOES THE EUROPEAN COMMISSION PROPOSE TO BOOST INVESTMENTS?

The new sound legal framework - **the European Electronic Communications Code**.

Compared to the existing legal framework, the new Code will:

- empower the regulators to have tools to provide investment certainty in less attractive areas by mapping network investment intentions;
- benefit all players, both the incumbent and others, who are ready to invest in new very high capacity networks; the rules will provide them with opportunities to participate in the deployment of the new very high capacity networks on fair and flexible terms, at a scale and with a model that fits their operational and financial abilities;
- make the investment case more predictable for “first movers” who take the risk to invest in the networks in less profitable areas, such as rural areas;
- make it easier for investors to scale up across borders thanks to a greater coordination of the assignment of radio spectrum, a key resource for wireless communications.

The new European Electronic Communications Code will have the right legal framework in place which will boost the network investments necessary for the European Gigabit Society to flourish.