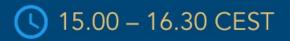
Reshuffling the connectivity ecosystem

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19 April 2023







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Exploratory consultation on the future of electronic communications: what's in and what's out?

Exploratory Consultation: The future of the electronic communications sector and its infrastructure

Period: 23 February - 19 May 2023

TECHNOLOGICAL AND MARKET DEVELOPMENTS: IMPACTS ON FUTURE	Q1 – Q20
NETWORKS AND BUSINESS MODELS FOR ELECTRONIC COMMUNICATIONS	

- 2 FAIRNESS FOR CONSUMERS Q21 Q31
- 3 BARRIERS TO THE SINGLE MARKET Q32 Q39
- 4 FAIR CONTRIBUTION BY ALL DIGITAL PLAYERS Q40 Q62



Political Commitment:

European Declaration on Digital Rights and Principles for the Digital Decade Joint Declaration of the European Parliament, the Council and the Commission 26 January 2022

Commitment to:

- developing adequate frameworks so that all market actors benefiting from the digital transformation assume their social responsibilities and make a fair and proportionate contribution to the costs of public goods, services and infrastructures, for the benefit of all Europeans.
- ensuring access to excellent connectivity for everyone, wherever they live and whatever their income
- protecting a neutral and open Internet where content, services, and applications are not unjustifiably blocked or degraded.



Political Commitment:

Decision (EU) 2022/2481 of the European Parliament and of the Council establishing the Digital Decade Policy Programme 2030

14 December 2022

By 2030, networks with gigabit speeds should become available to those who need or wish to have such capacity. All Union end-users should be able to use gigabit services provided by networks at a fixed location deployed up to the network termination point. Moreover, all populated areas should be covered by a next-generation wireless high-speed network with performance at least equivalent to that of 5G. All market actors benefiting from the digital transformation should assume their social responsibilities and make a fair and proportionate contribution to the public goods, services and infrastructures, for the benefit of all citizens in the Union (Recital 13).



Political Commitment: The EU's Digital Targets

Decision (EU) 2022/2481 establishing the Digital Decade Policy Programme 2030



Skills:

ICT Specialists: 20 million+ gender convergence

Basic Digital Skills: min 80% of population



Secure and sustainable digital infrastructures

Connectivity: Gigabit for everyone

Cutting edge Semiconductors: double EU share in global production

Data - Edge & Cloud: 10,000 climate-neutral highly secure edge nodes

Computing: first computer with quantum acceleration



Digital
Transformation
of Businesses

Tech up-take: 75% of EU companies using Cloud/AI/Big Data

Innovators: grow scale-ups & finance to double EU Unicorns

Late adopters: more than 90% of SMEs reach at least a basic level of digital intensity



Digitalisation of public services

Key Public Services: 100% online

e-Health: 100% of citizens have access to medical records online

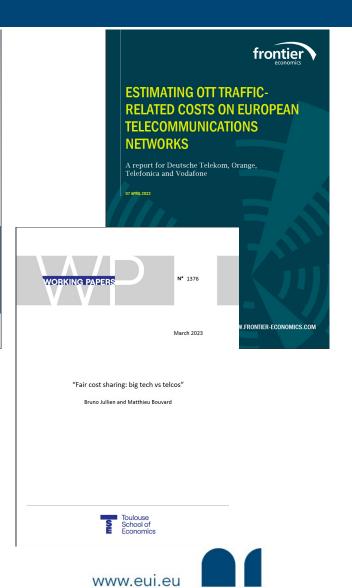
Digital Identity: 80% of citizens have access to digital ID



Studies and reports on the topic







operators

Axon Partners Group

Suggested reading materials:

AXON (2022), Europe's internet ecosystem: socio-economic benefits of a fairer balance between tech giants and telecom operators.

BEREC (2022), <u>Preliminary assessment of the underlying assumptions of payments from large CAPs to ISPs.</u>

Frontier Economics (2022), Estimating OTT traffic-related costs on European telecommunications networks.

Jullien, B. and M. Bouvard (2023), Fair cost sharing: big tech v telcos.

Neumann, K.-H., Wiewiorra, L., Baischew, D. and P. Kroon (2022), Competitive conditions on transit and peering markets (WIK Consult).

Marcus, S. García-Herrero, A. and L. Guetta-Jeanrenaud (2022), <u>Promotion of high capacity broadband to rebuild and recover from the pandemic</u>.

Oxera (2023), <u>Proposal for a levy on online content application providers to fund network operators.</u> An economic assessment prepared for the <u>Dutch Ministry of Economic Affairs and Climate</u>.

Stocker, V. and W. Lehr (2022), <u>Regulatory Policy for Broadband: A Response to the 'ETNO Report's' Proposal for Intervention in Europe's Internet Ecosystem</u>.

Williamson, B. (2022), An internet traffic tax would harm Europe's digital transformation (Communications Chambers)

