



# Acercar la economía digital a los municipios

Ensure that all EU citizens have access to high-speed broadband

*Jornada “Oportunidades de financiación y ayudas europeas para municipios”  
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DG CONNECT, European Commission*



# Objectives 2025

- Gigabit connectivity for all of the main socio-economic drivers
- Uninterrupted 5G coverage for all urban areas and major terrestrial transport paths
- At least 100 Mbps for all European households.

Commission's strategy on [Connectivity for a European Gigabit Society](#),

# Funding measures: demand and supply



# Funding measures: demand and supply





# WiFi4EU

A SIMPLE WAY  
TO SET UP...

PUBLIC Wi-Fi IN  
**YOUR MUNICIPALITY**



## WiFi4EU

- EU funding: vouchers to the value EUR 15 000 per municipality.
- The vouchers are to be used to install Wi-Fi equipment in public spaces within the municipality.
- Local communities commit to providing very high speed internet via WiFi4EU, not competing with similar Wi-Fi offers (pay monthly subscription & maintenance)

Info at [WiFi4EU Portal](#)

# WiFi4EU

## Why connectivity?

**10%** increase in broadband connections  
= **1%** increase in GDP per capita per year <sup>[1]</sup>

## Why Wi-Fi?

By 2022, Wi-Fi and mobile networks will account for **71%** of traffic. <sup>[3]</sup>

Wi-Fi: The trend is increasing, with estimates up to in 2022 <sup>[3]</sup>

## The connectivity mix

### 4G mobile coverage

In 2018, LTE Coverage reaches **98.9%** of EU households <sup>[2]</sup>



In 2017, **54%** of mobile traffic was offloaded to fixed networks



### Fixed internet

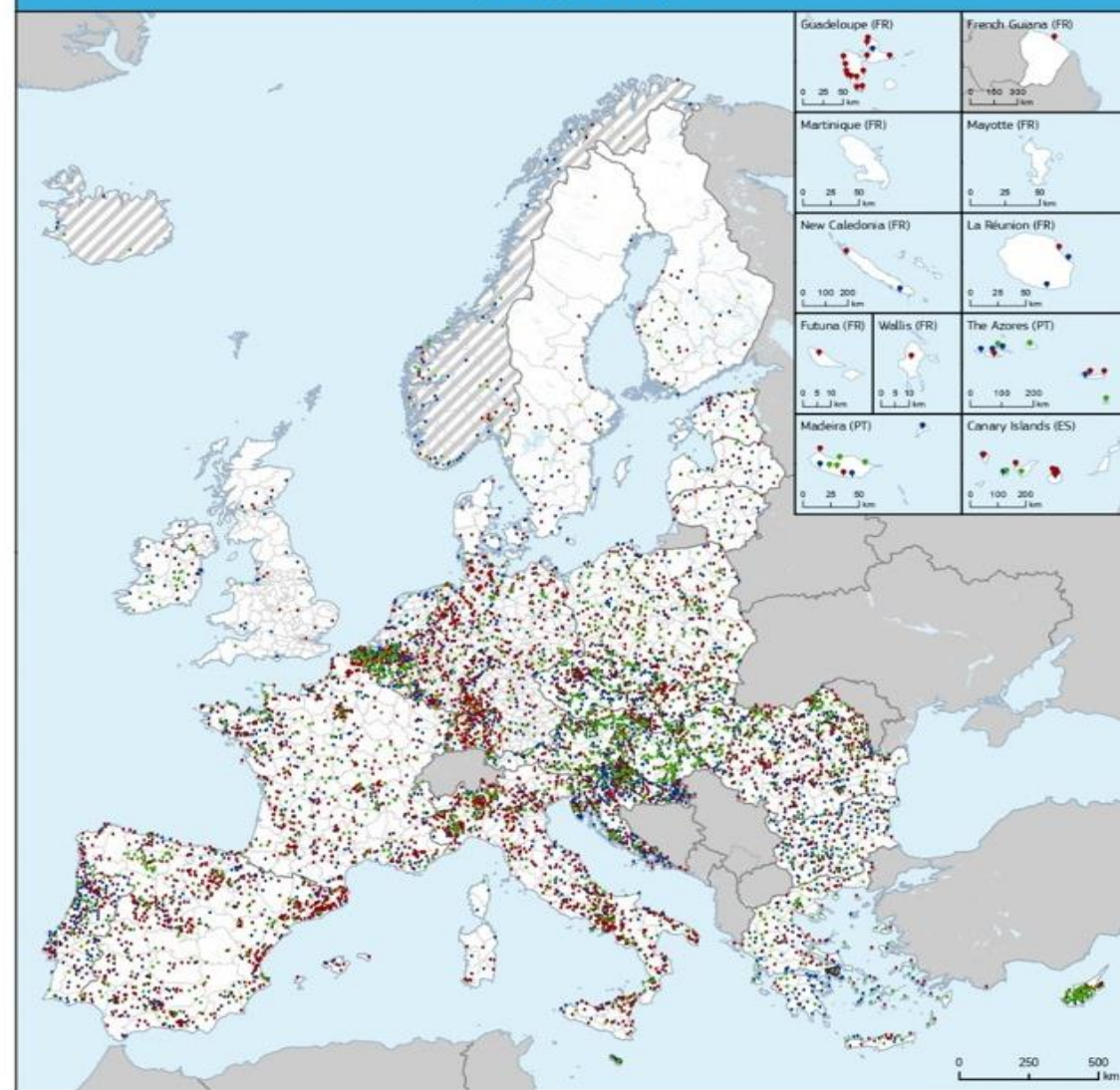
In 2018, **83.1%** of households with fast fixed internet connection

<sup>[1]</sup> <https://op.europa.eu/webpub/eca/special-reports/broadband-12-2018/en/>

<sup>[2]</sup> <https://ec.europa.eu/digital-single-market/en/news/study-broadband-coverage-europe-2018>

<sup>[3]</sup> Cisco World 2019 report <https://www.cisco.com/c/en/us/solutions/collateral/service-provider/visual-networking-index-vni/white-paper-c11-741490.html>

Awarded municipalities  
(Call 1, 2 and 3)



# WiFi4EU

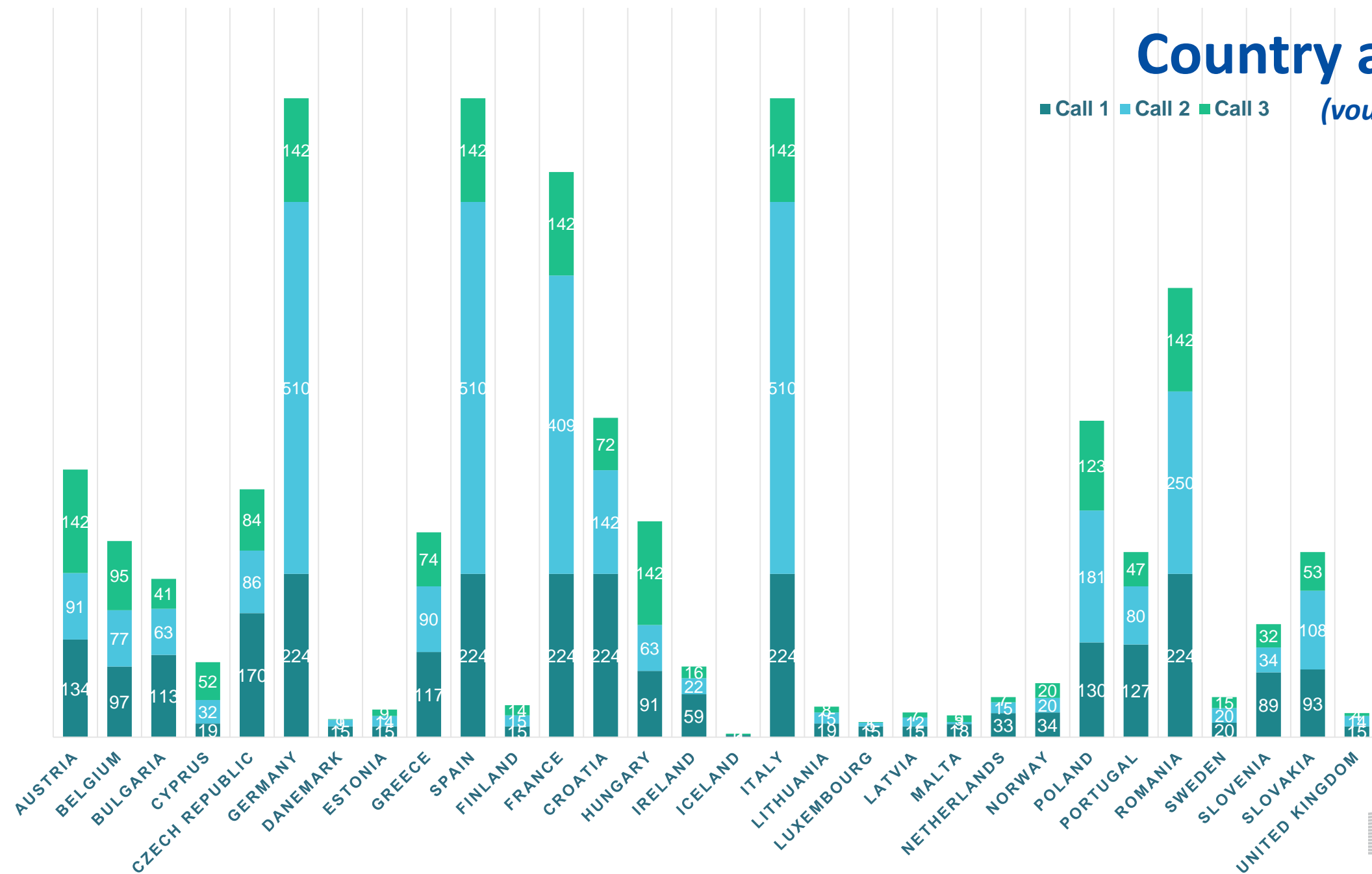
## key achievements

- €119.7 million distributed for 7,980 vouchers (Nov 2018, April 2019, Nov 2019)
- 26,500 municipalities registered (30% of EU), confirming the massive demand for local connectivity
- 554 installation (reports received)

- *Uses innovative and direct micro-financing*
- *Creates raised EU awareness for connectivity*
- *Fosters a unique community*
- *Cuts red-tape for municipalities*  
*e.g. online portal, lump sum: no declaration of eligible costs and no project proposal, automated interim/final report*

# Country allocation

■ Call 1 ■ Call 2 ■ Call 3 *(vouchers per country)*





# WiFi4EU Going Local



Stevns (Island of Zealand, Denmark)



Bydgoszcz (Kujawsko-Pomorskie, Poland)



Villarcayo (Castilla Leon, Spain)



Paterna (Comunidad Valenciana, Spain)



Sant Antoni de Portmany (Ibiza, Spain)



Ladenburg (Germany)

# Funding measures: demand and supply





# Connecting Europe Broadband Fund



## CEBF

- Investment platform to finance smaller-scale broadband projects across Europe, which currently do not have easy access to funding.
- Complement existing EU financial instruments for broadband development and private financing.
- Objective: pool €500 million and mobilise at least €1 billion (2018-2021).

Public investors: European Investment Bank (EIB), the European Commission, and National Promotional Banks (Caisse des Dépôts), KfW, Cassa depositi e prestiti).

# Connecting European Broadband Fund

## Eligibility criteria

- Deployment of **networks upgradable to 1 Gigabit** and based on **wholesale-only** models.
- Investments carried out by “start-up” companies or companies that have a small asset base (“**greenfield**” projects).
- Deploy “**state of the art technology**” comparable to the best-performing commercially available technologies.
- **Predominantly in underserved areas** (grey NGA and white NGA areas)

Info at: <https://ec.europa.eu/digital-single-market/en/news/connecting-europe-broadband-fund>



HITROSTI VEČJE OD

**1 Gbps**

NA PODEŽELSKIH  
PODROČJIH V  
SLOVENIJI

SLOVENIJA HRVATSKA

BRZINE VEĆE OD

**1 Gbps**

U RURALNIM PODRUČJIMA  
PRIMORSKO GORANSKE I  
ISTARSKE ŽUPANIJE

## RuNe: the first CEBF-funded project

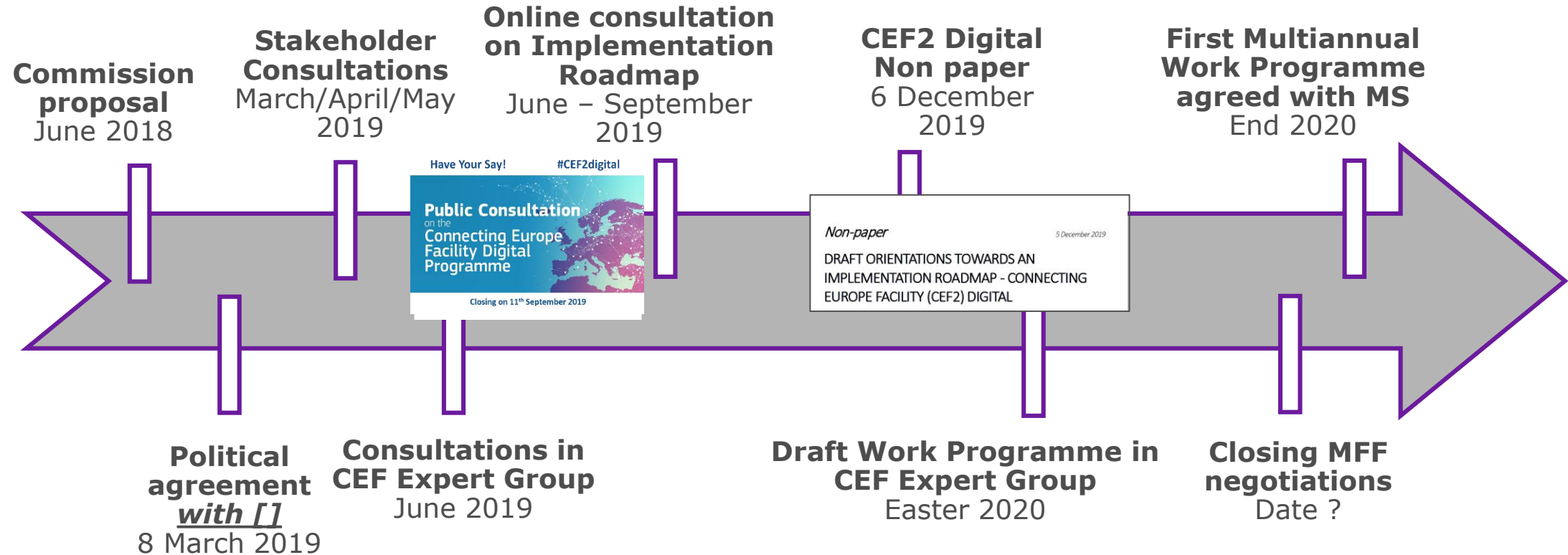
- Invest into a high-quality fibre-to-the-home (FTTH), open-access network for residential, business and public administration in the rural areas of Slovenia and Croatia (cross-border).
- Gigabit-speed connectivity to 340,000 rural locations
- Total cost of the project: €250 million

[Video](#)

# Funding measures: demand and supply



# CEF2 Digital 2021-2027



# CEF2 Digital Principles (proposed)

- **Focus:** infrastructure investments that would not be prompted by market forces alone, including in rural areas. Support for projects that:
  - attract private co-financing to address market failures
  - do not crowd out or overbuild other equivalent networks
- **Priority:** co-financing by entities (public or private) operating on market terms. If state aid, Member States need to ensure:
  - complementarity with previous or on-going investments supported by structural funds
  - prior state aid compatibility.



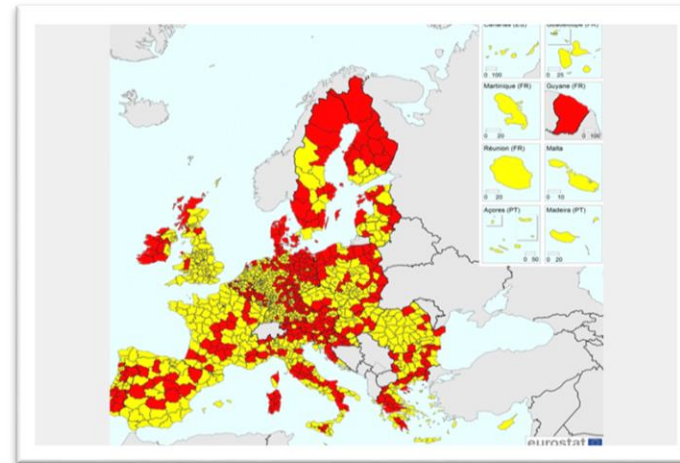
# CEF2 Digital Principles (proposed)

Up to 75% for EU investments in actions supporting <b>5G infrastructure deployments</b> (pillar 1)		Up to 25% for EU investments in actions supporting <b>EU cross-border data infrastructures</b> (pillar 2)

# Pillar 1 5G infrastructure deployments



5G corridors along transport paths

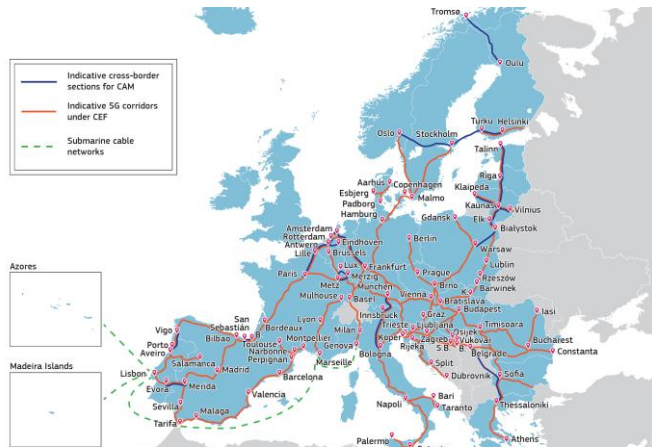


5G communities - Gigabit connectivity for socio-economic drivers and citizens

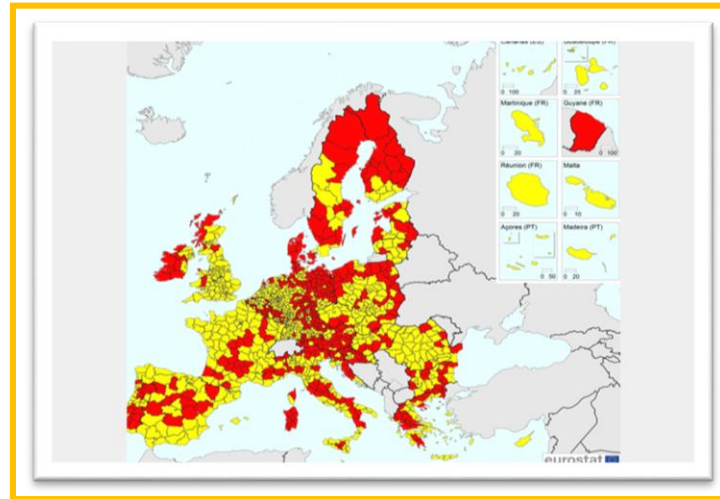


5G4EU projects  
[“Next generation WiFi4EU”]

# Pillar 1 5G infrastructure deployments



5G corridors along transport paths



5G communities - Gigabit connectivity for socio-economic drivers and citizens



5G4EU projects  
["Next generation WiFi4EU"]

# 5G communities

- Help communities by **accelerating private Gigabit network investments** in areas where business cases for such investments are difficult.
- **Comprehensive deployment projects** would thus build energy efficient fibre infrastructures **to connect all SEDs and households a target area.**
- **Efficient stand-alone deployment projects** of Gigabit networks to priority SEDs in regions with more severe market failure

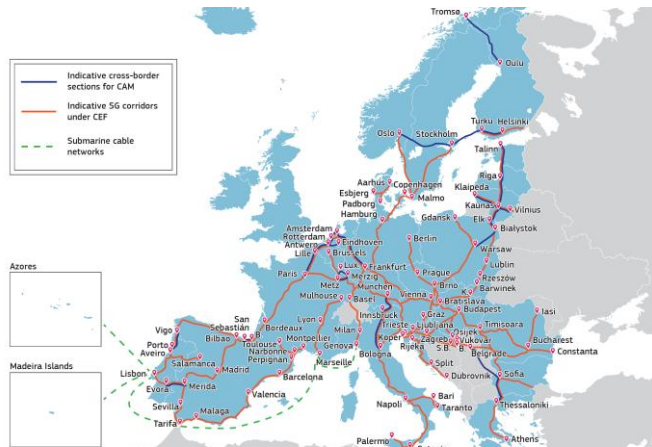
## Timetable:

2021 studies for project preparation & proposals for stand-alone deployments to SEDs;

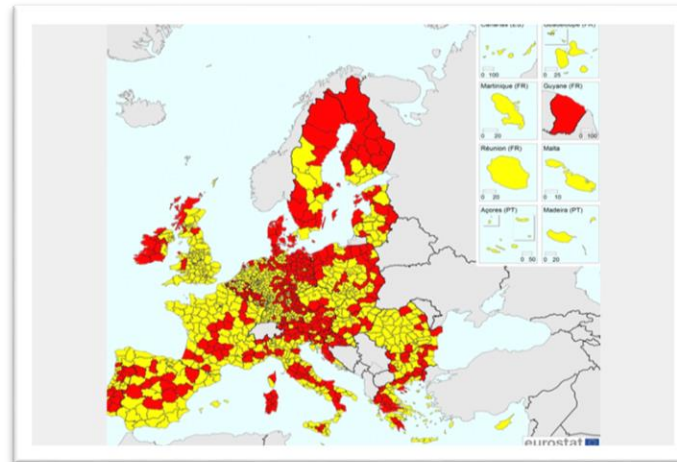
2022-2024: comprehensive deployment projects.



# Pillar 1 5G infrastructure deployments



5G corridors along transport paths



5G communities - Gigabit connectivity for socio-economic drivers and citizens



5G4EU projects  
[“Next generation WiFi4EU”]

# 5G4EU projects

- ‘5G4EU’ projects that **provide communities with 5G services for innovative applications.**
- **Accelerate the roll out of 5G networks** in rural areas and areas at high risk of not being served by the market in the medium term.
- Supporting the installation of, or upgrade to, a 5G network **in areas where the necessary fibre backhaul capacity is already available**

## Timetable:

2020 Registered WiFi4EU municipalities will be asked in 2020 to express interest in 5G4EU  
2021-2025: annual calls subject to pending demand and lack of 5G coverage in MS.

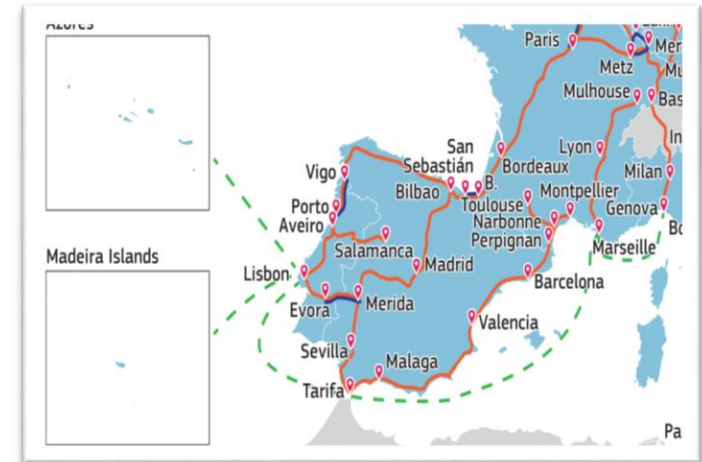
# Pillar 2 EU cross-border data infrastructures



Strategic terabit connectivity for HPC



Backbones for cross-border and sustainable cloud federations



Submarine connectivity of strategic importance

# Synergies: Transport – Energy - Digital

- Possibility to adopt **joint work programmes** on specific topics (e.g. Connected and Automated Mobility)
- The **higher co-funding rate** of the sectors concerned could be applied, which may in addition be **increased by 10%**
- For each sector **synergetic elements** pertaining to another sector could be **eligible up to 20% of the total eligible cost** (e.g. fibre deployment or energy regeneration within a transport project)
- "**operational digital platforms**" which support the flow, storage, processing and analysis of transport and/or energy infrastructure data can be funded under CEF DIGITAL



# CEF2 Digital – Key Role of Member States

- Member States will have **to agree**:
  - **with each other** on the multiannual CEF2 Digital work programme (2021-2023) which will define actions, calls, dates and budgets.
  - **agree to projects** being submitted for calls.
- Member States **prepare** their future CEF2 Digital projects by:
  - **Infrastructure mapping and market surveys** -> *National Broadband Plans*
  - **Matching**: project promoters & local/regional demands; project promoters & infrastructure investors; local/regional authorities & network operators.
  - **Supporting project preparation** and capacity building -> *Technical Assistance*

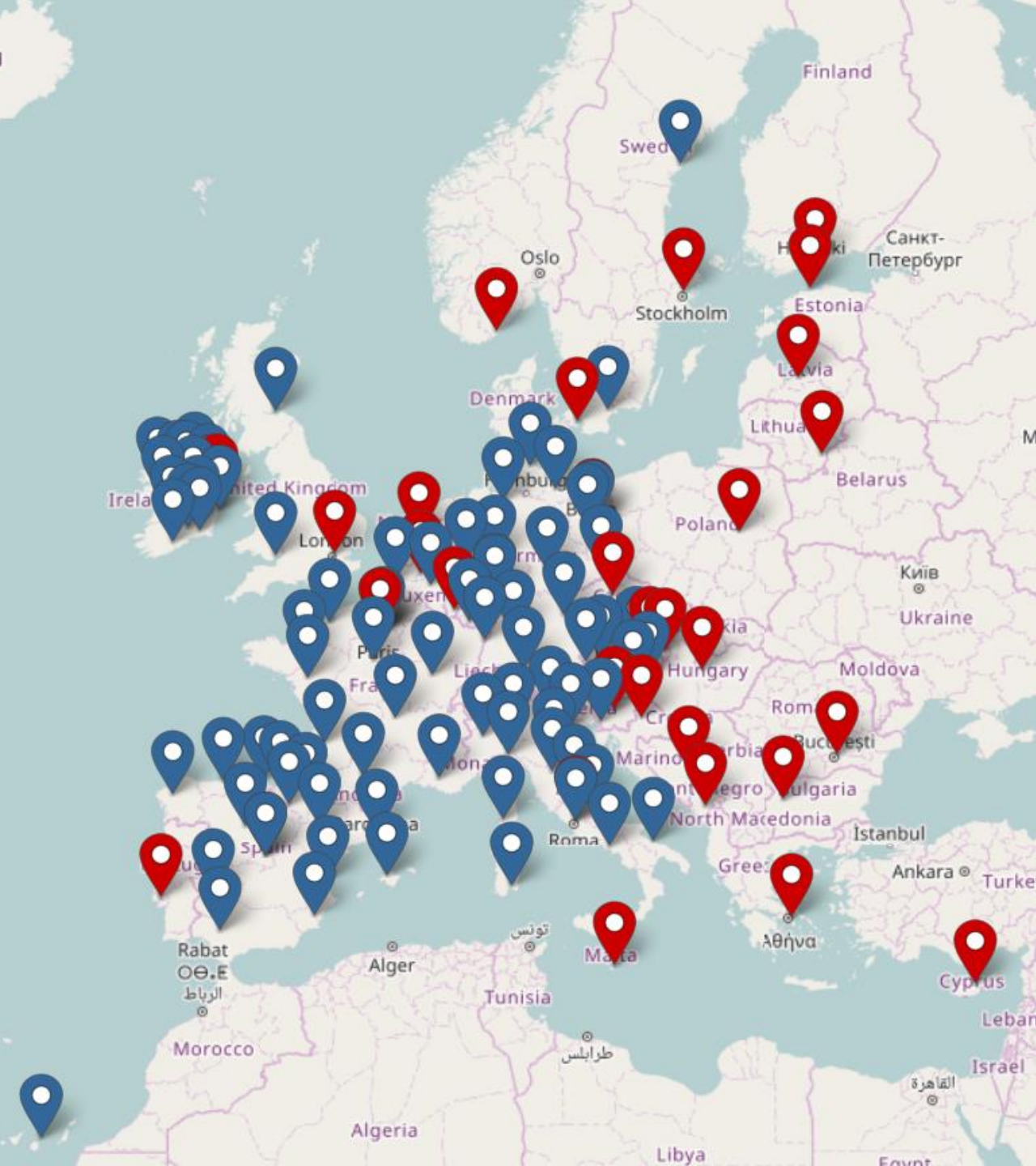
# Supporting measures



# Broadband Competence Offices Network

- European Commission initiative to support national and regional public authorities in charge of broadband deployment.
- Knowledge exchange and capacity-building program includes [events](#), [publications](#) and [video interviews](#)

Info at: <https://ec.europa.eu/digital-single-market/en/broadband-competence-offices>



# BCO Functions

Supporting public bodies (local authorities), project promoters, telecoms, user groups, and any other entity to plan and execute of broadband projects.

- EU Funding opportunities
- Guidance on the planning and execution of broadband projects
- Helping in the coordination with relevant EU entities (EC, EIB)

[Consult the BCO Network Directory](https://ec.europa.eu/digital-single-market/en/bco-network-directory)

<https://ec.europa.eu/digital-single-market/en/bco-network-directory>



# Thank you



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