



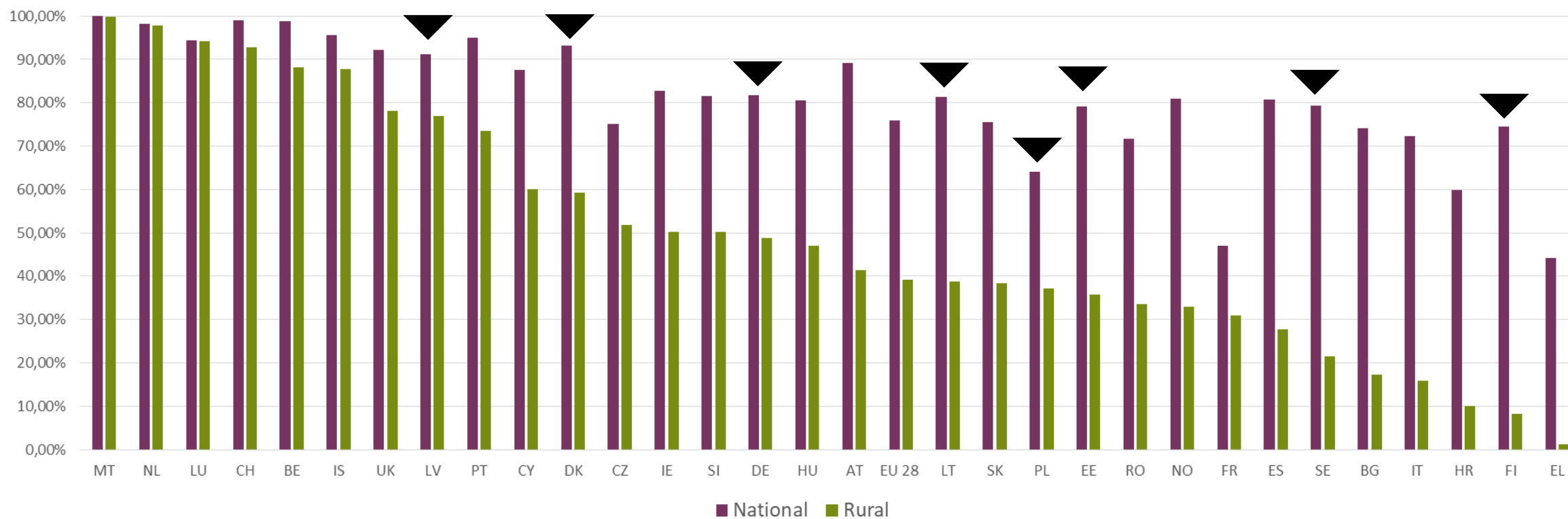
Digital Transformation in Europe

Dr. Peyman Khodabakhsh

atene KOM

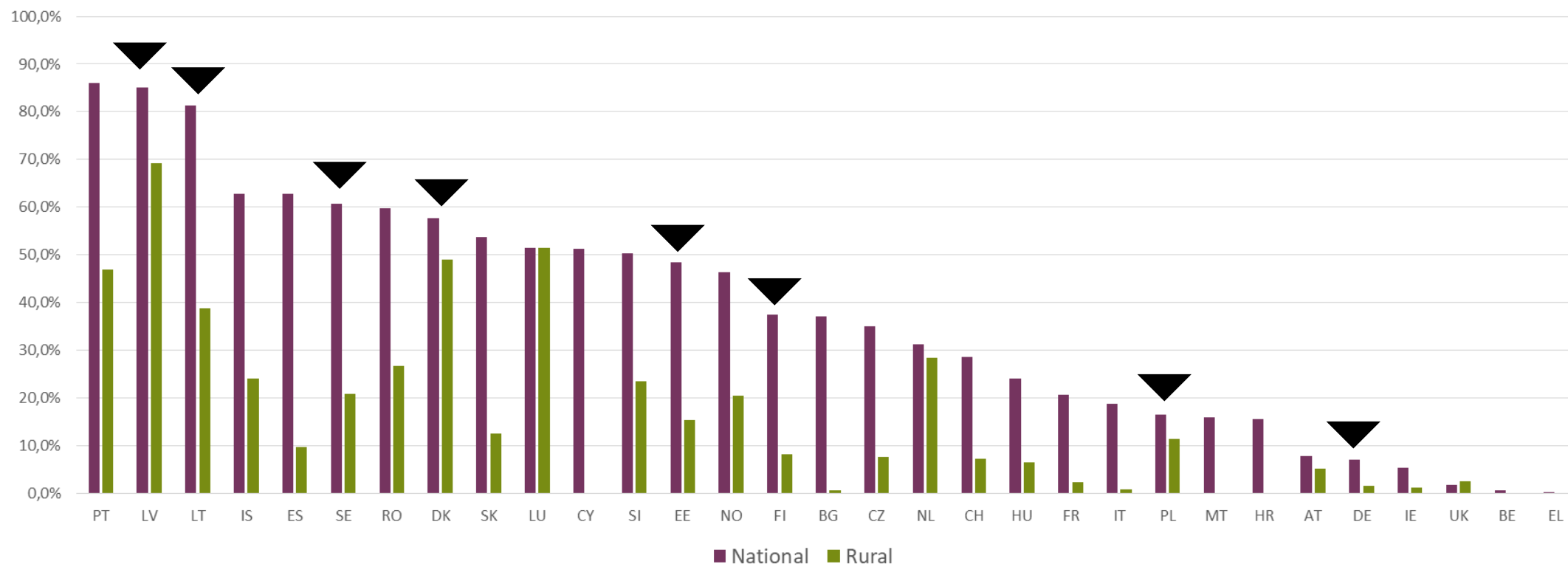
EUSBSR 2018

Next Generation Access - 2017



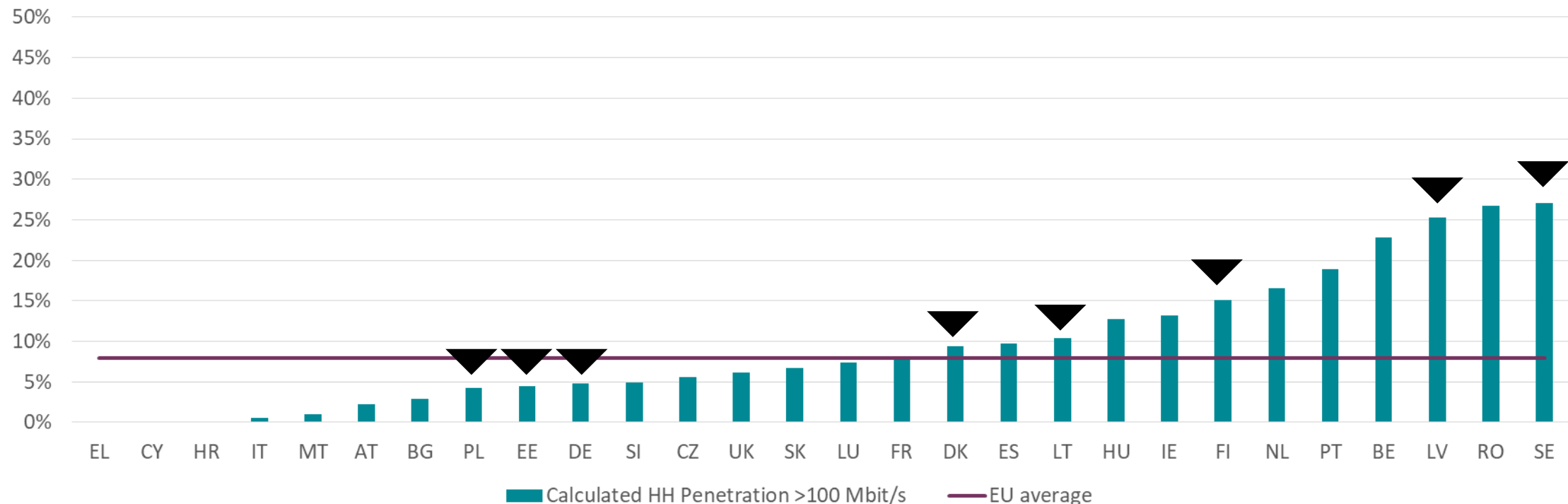
Source. Commission staff working document, Europe's Digital Progress Report 2017

FTTP coverage - 2017



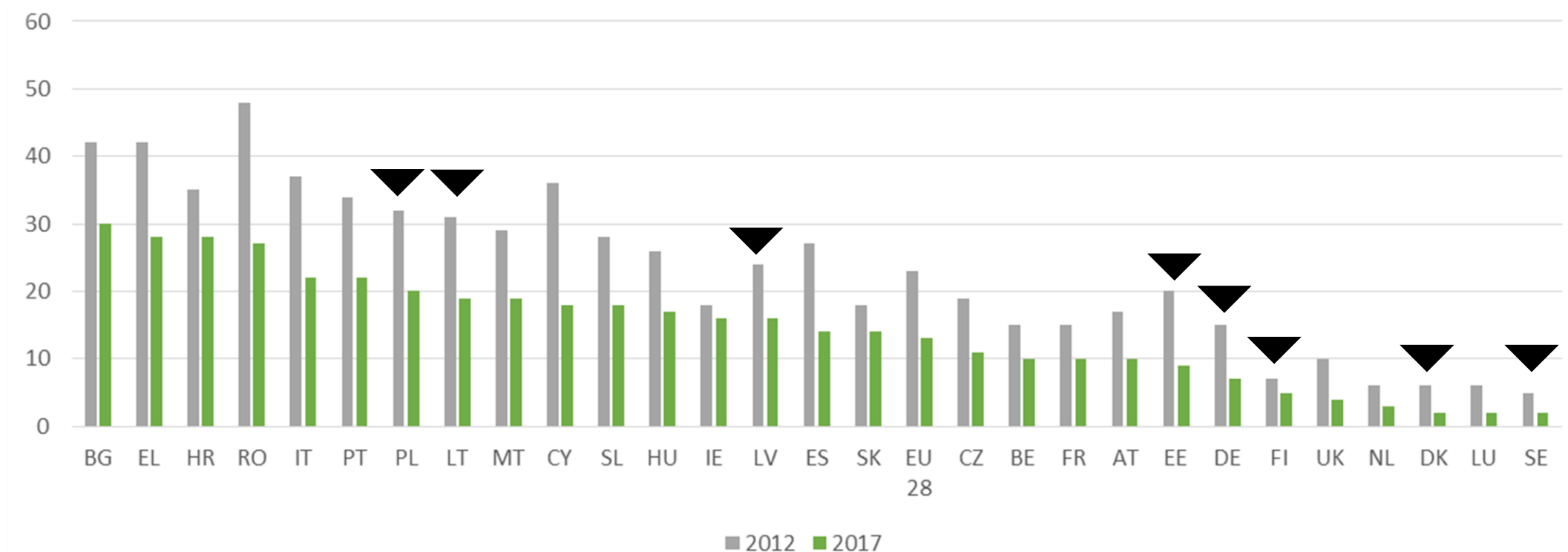
Source. Commission staff working document, Europe's Digital Progress Report 2017

Calculated Penetration >100 Mbit/s (as a % of households) - 2015



Source: atene KOM, Study on National Broadband Plans in the EU-28 (SMART 2014/0077)

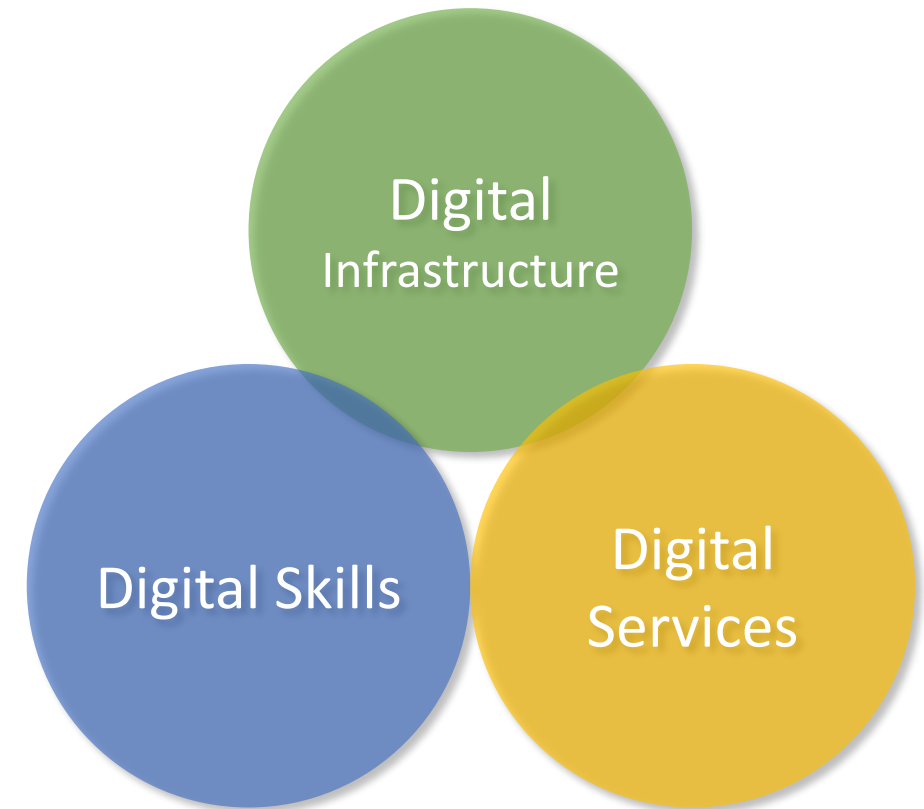
Individuals who have never used the internet (2012– 2017)



Source: Eurostat

http://data.trendeconomy.com/dataviewer/eurostat/sks_sr_ictu/isoc_sk_dskl_i?kf=isoc_sk_dskl_i_DSD&time_period=2015,2016,2017&geo=AT,BE,BG,CY,CZ,DE,DK,EE,EL,ES,EU28,FI,FR,HR,HU,IE,IT,LT,LU,LV,MT,NL,PL,PT,RO,SE,SI,SK,UK&unit=PC_IND&indic_is=l_DSK_B&ind_type=IND_DEG3

1. Still some regions lack superfast **digital infrastructure**
2. Infrastructure is there, but **demand not**
3. **Skills are lacking**
4. Digital services are missed in several spheres of life



Digital divide – a transnational challenge in the EU

What is the challenge?



Technology

- Future proof technologies
- Network convergence
- Development pace
- 5G



Finance

- Investment risks
- Finance/business models
- State aid
- Regulatory environment



Skills and services

- Availability of e-services
- Limited knowledge
- Digital skills
- Service uptake



Management

- Local authorities' readiness
- Political commitment
- Participation of stakeholders



<https://ec.europa.eu/commission/commissioners/2014-2019/hogan/announcements/speech-commissioner-phil-hogan-smart-villages>

Commission and its priorities Policies, information and services

English (en)

European Commission > ... > Phil Hogan > Announcements >

SPEECH | 13 April 2018

Speech by Commissioner Phil Hogan at Smart Villages Conference, Lake Bled, Slovenia

EU Action for Smart Villages

Prime Minister, Commissioner, MEPs, elected representatives, ladies and gentlemen, it's a great pleasure to be here in the beautiful Bled region – I spent one week here on holidays about 15 years ago.

I can't think of a nicer place to hold this very important conference.

I am often asked: what is a smart village? In my view, Smart Villages are essentially about people – they are about rural communities taking the initiative to find practical solutions to challenges and make the most of new opportunities. Digital solutions can provide many such new opportunities but smart also mean developing new co-operations and alliances – thinking outside the box and charting your own path to

- Availability of e-services
- Promotion of digital services
- Improving the uptake

**KNOW
HOW!!!**

- Knowledge about potential profits of NGA
- Local authorities' readiness
- Local communities readiness
- Local enterprises readiness

- Political commitment
- Supportive regulation
- Finance/business models
- Future proof technologies

Improving the Know-How

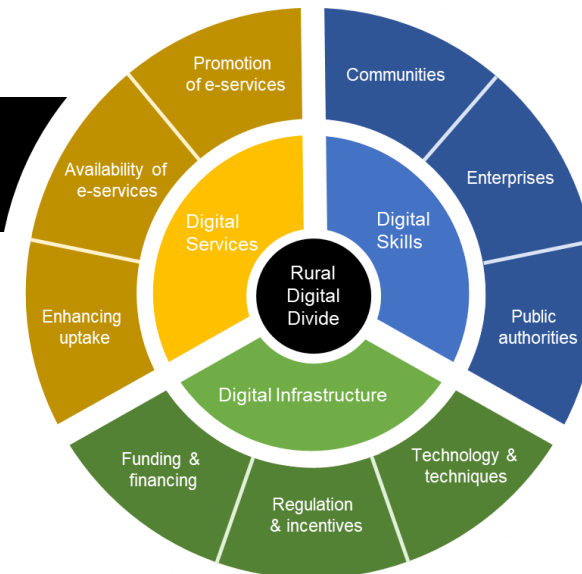
Identifying local challenges

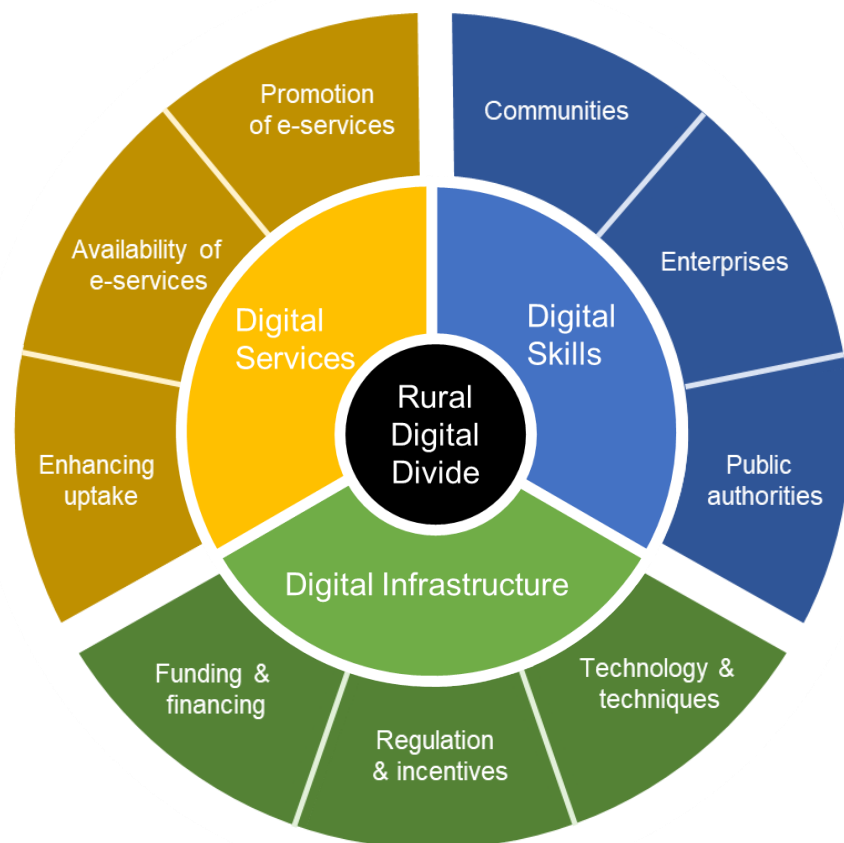
Guiding measures

Good practices & Training

Pilot activities

Transferrable solutions





Infrastructure pilots



- Cross border fiber sharing model
- Training for local and regional authorities
- Testing superfast wireless in rural areas

Services pilots



- E-Health, Car-sharing, Smart security, Smart home, E-tourism

Skills pilots

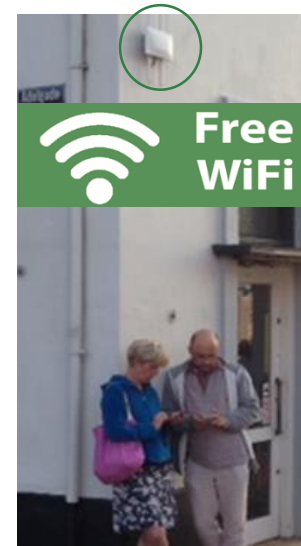
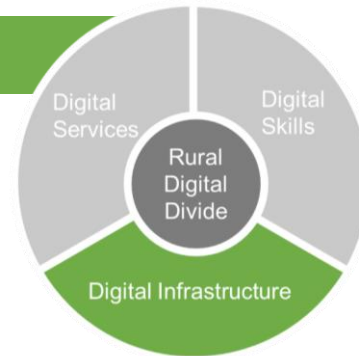


- Testing fixed & mobile digital hub concept
- Digital skills training



Infrastructure pilots

- Cross border fiber sharing model
- Testing superfast wireless in rural areas



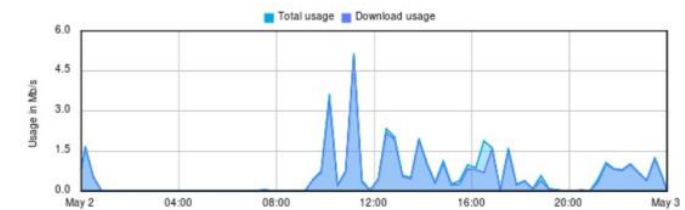
Fibia

Summary report for network 'Syddjurs - Outdoor wireless' | Wednesday, May 2 2018

POWERED BY
meraki

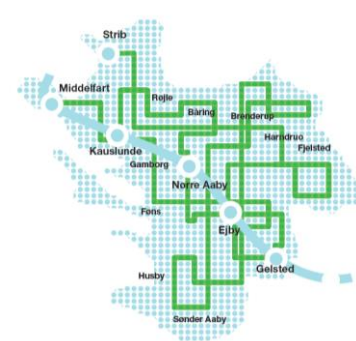
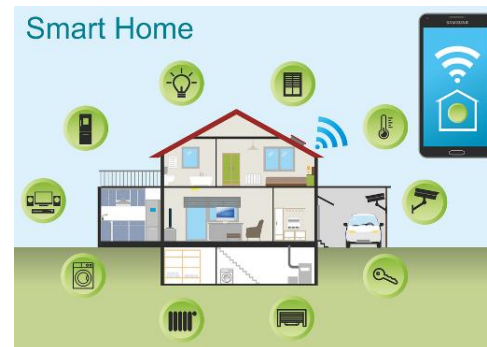
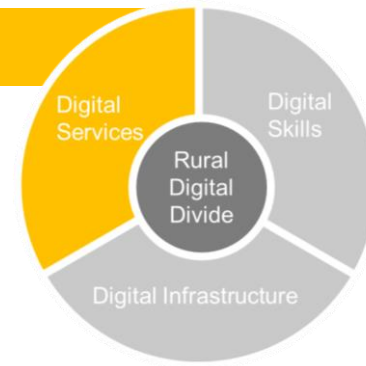
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Usage



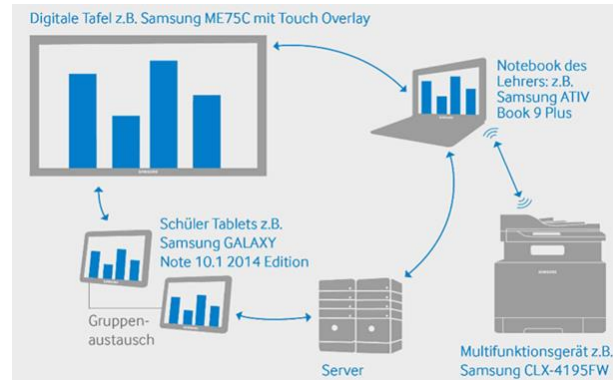
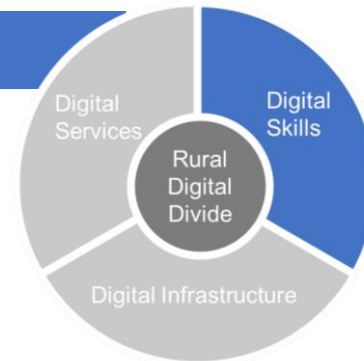
Digital services pilots

- E-Health
- Car-sharing
- Smart security
- Smart home
- E-tourism



Digital skills pilots

- Testing fixed digital hub concept
- Testing mobile digital hub concept
- Digital skills training



CORA online

northsearegion.eu/cora

 @coraproject



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