Going Local in Slovakia
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Digital Agenda for Europe

Carl-Christian Buhr

Cabinet of Vice-President Neelie Kroes
(@ccbuhr, http://bit.ly/cc_buhr)

Digital
Agenda

Topics

- Digital Agenda for Europe: Progress and Next Steps

- Connecting Europe Facility: Fast networks and digital services

- Horizon 2020: Future EU Research & Innovation Support

- European Cloud Computing Strategy

What is the Digital Agenda about?

Single European Market in digital sphere

Basic broadband for all Europeans by 2013 and faster rollout of **high speed internet**
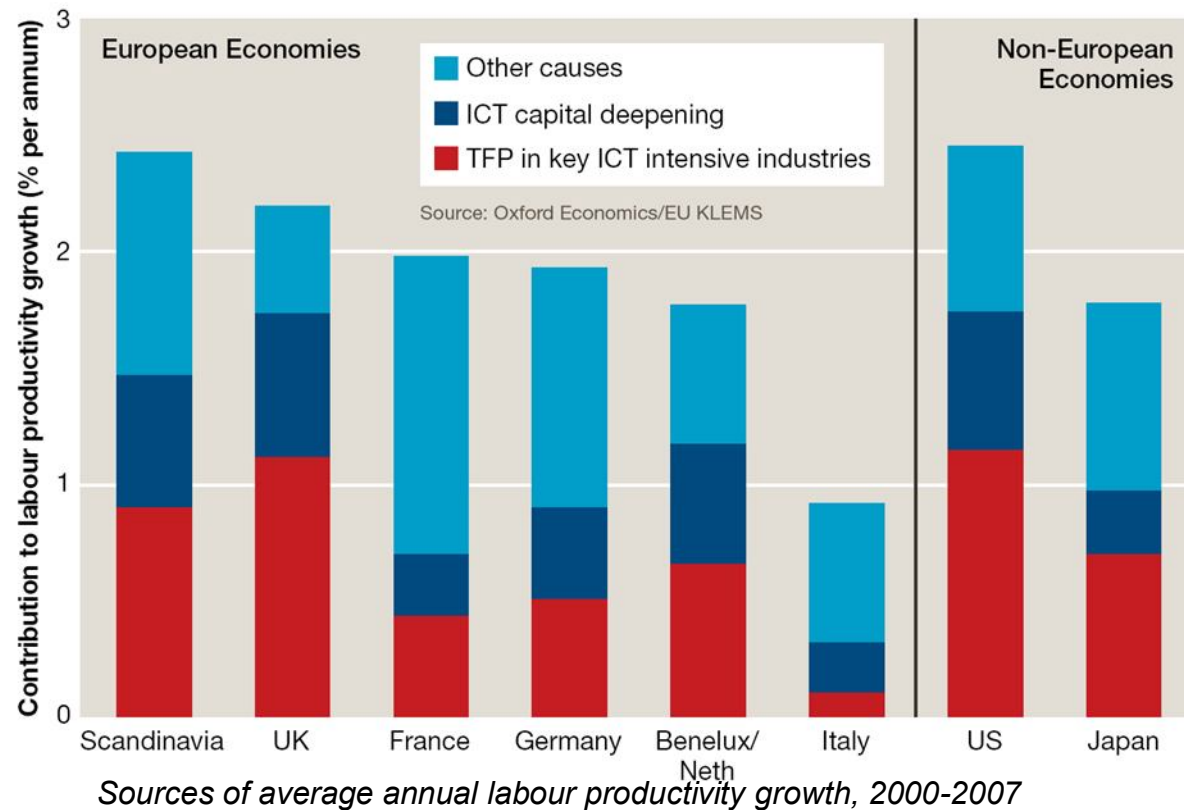
E-skills for all Europeans

Interoperability & standards

Trust & security online

ICT research & innovation

ICT solutions for ageing, climate change, cleaner transport, e-government, e-health …

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ICT boosts productivity

Sources of average annual labour productivity growth, 2000-2007

*Investment in ICT generates a bigger return to productivity growth
than most other forms of capital investment.*
(Source: Oxford Economics, Capturing the ICT Dividend, 2011)

Broadband drives competitiveness

Correlation Fixed Broadband Penetration and Competitiveness
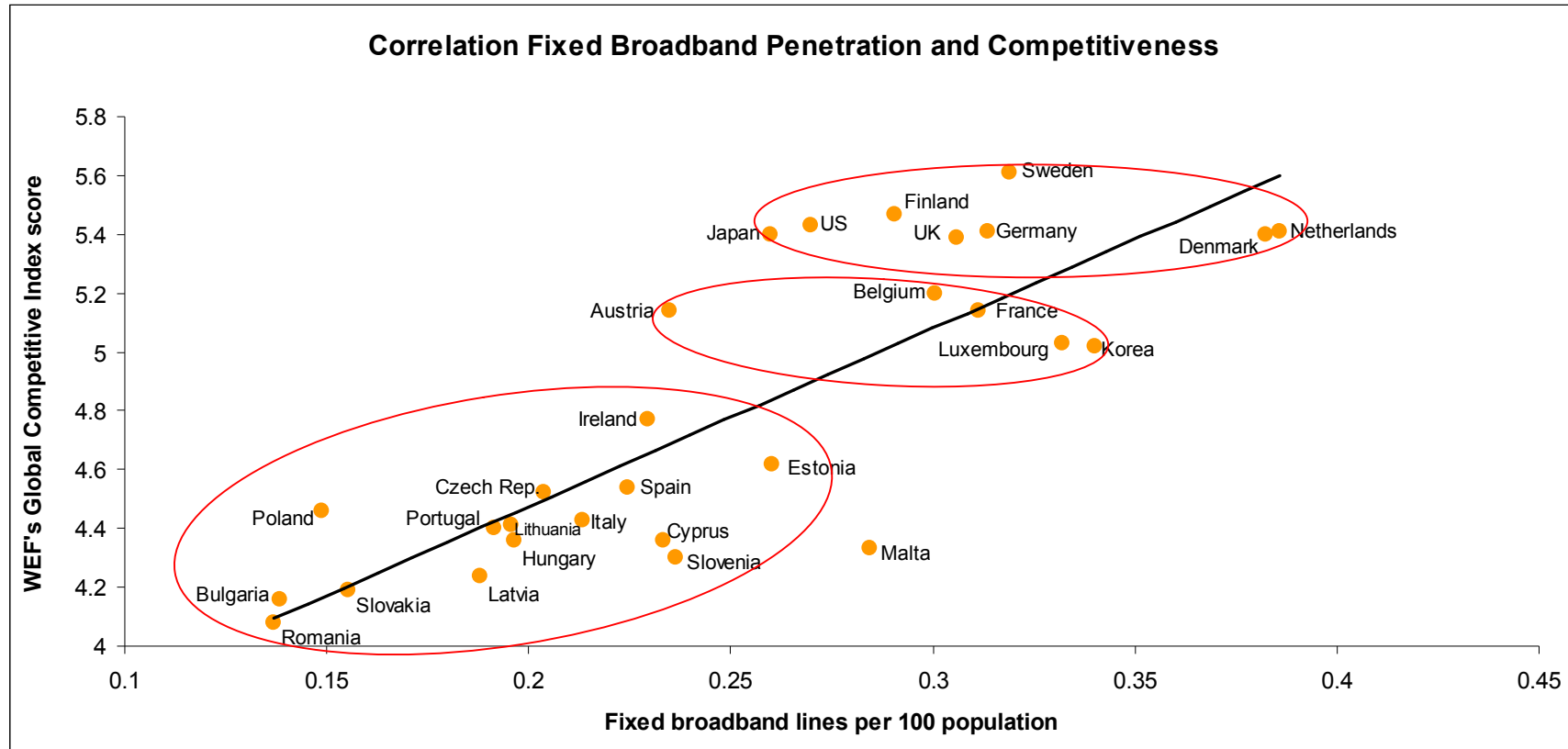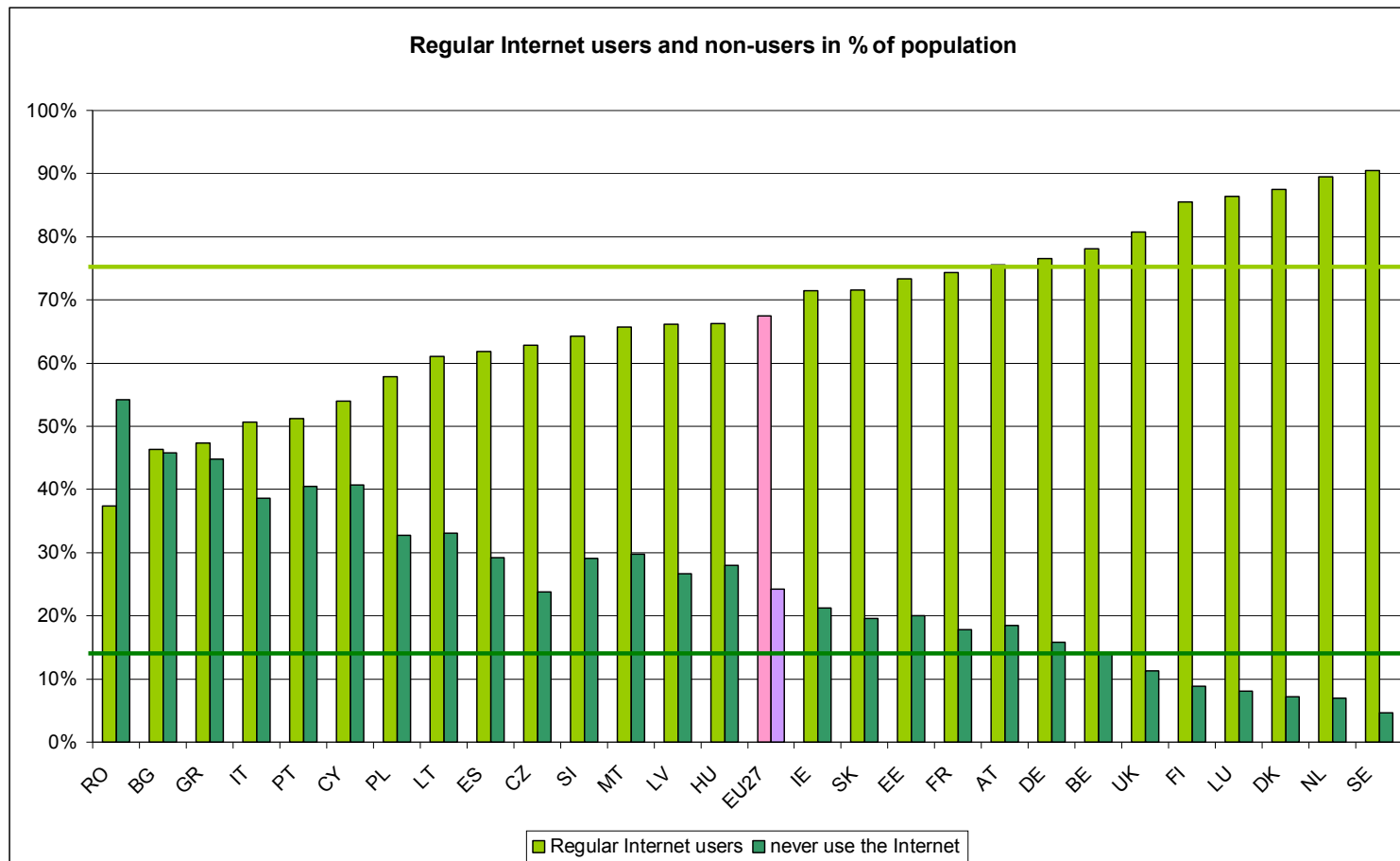
European Commission, 2011

A 10% increase in the broadband penetration rate results in 1 to 1.5% increase in annual GDP per-capita. Faster broadband = higher GDP growth. *(Czernich et al. - University of Munich, 2009)*

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Increase regular use from 60% to 75% - Halve the % of the population that have never used the internet by 2015

Regular Internet users and non-users in % of population

Legend: ■ Regular Internet users ■ never use the Internet

X-axis: RO, BG, GR, IT, PT, CY, PL, LT, ES, CZ, SI, MT, LV, HU, EU27, IE, SK, EE, FR, AT, DE, BE, UK, FI, LU, DK, NL, SE
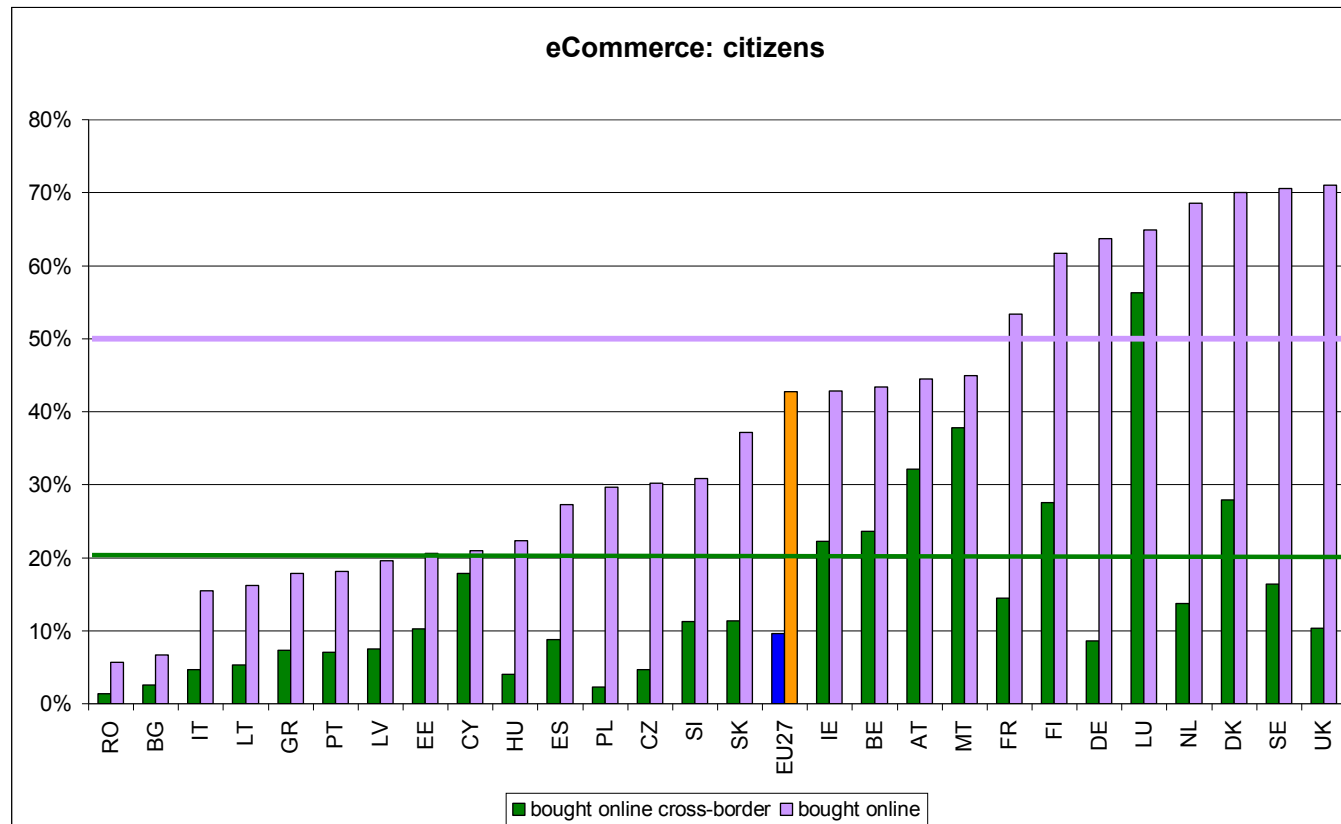
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Confidence in IT skills is low, especially those related to work and privacy and security

% of people feeling confident in performing certain computer and internet activities, 2011 (Scoreboard)
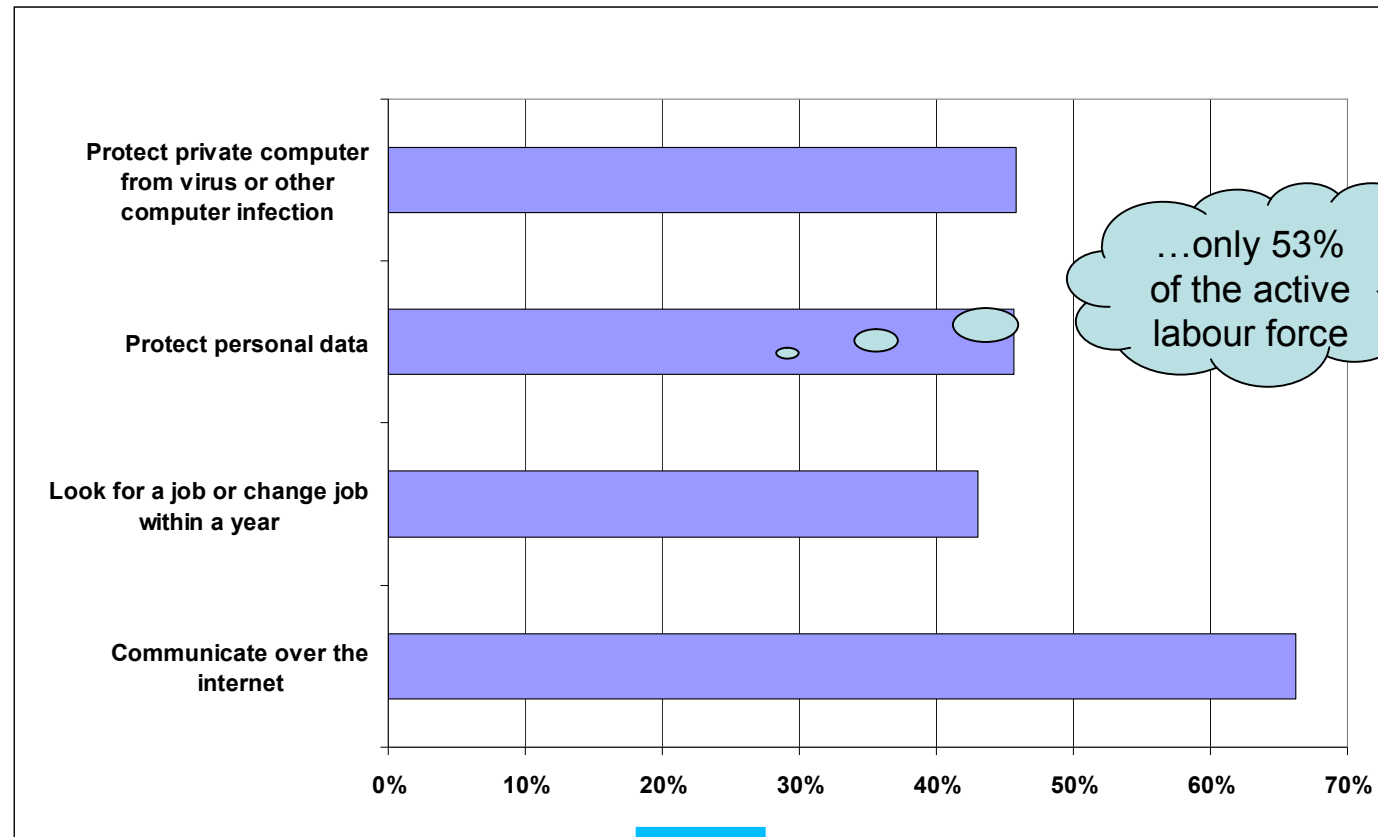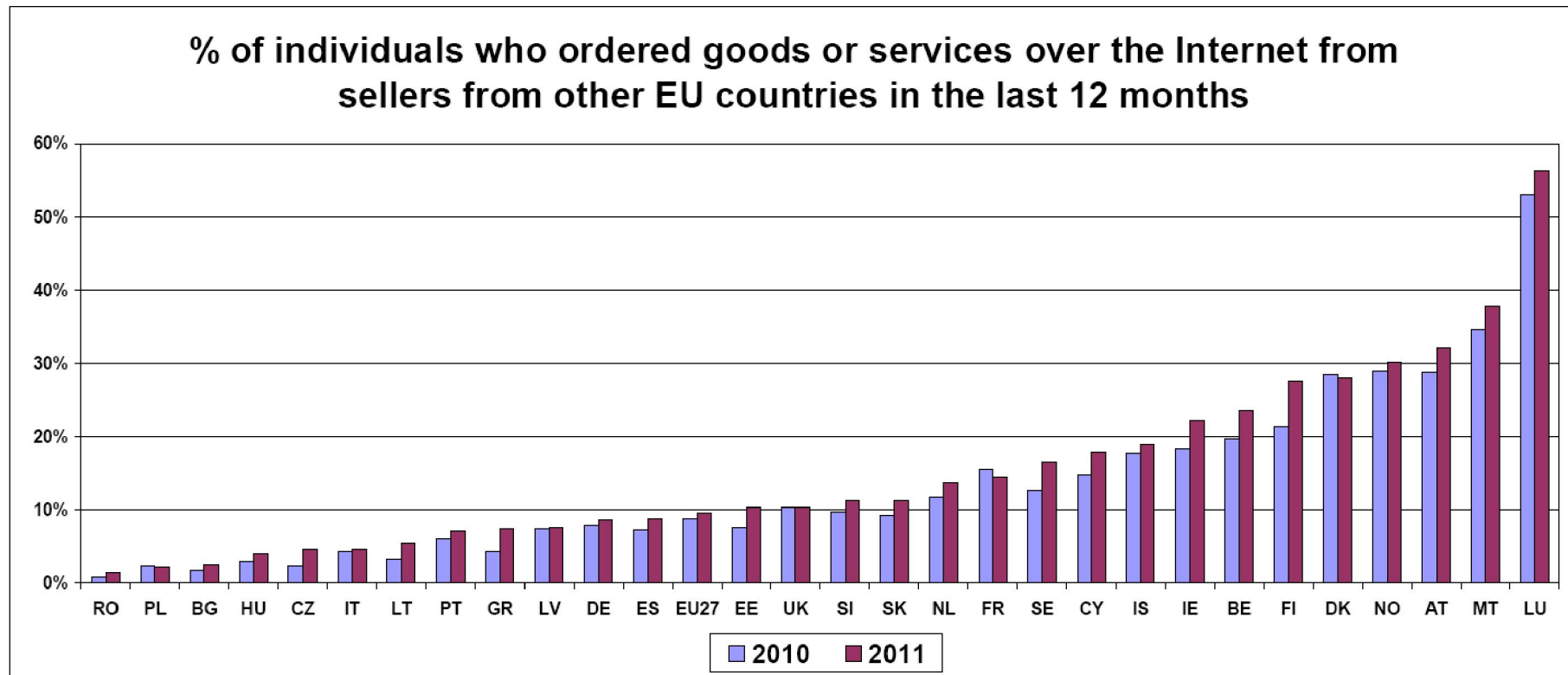
e-Commerce – not enough cross-border purchases

Target: 20% of the population should buy cross border online by 2015

eCommerce: citizens

Legend: bought online cross-border (green), bought online (purple)

Countries (left to right): RO, BG, IT, LT, GR, PT, LV, EE, CY, HU, ES, PL, CZ, SI, SK, EU27, IE, BE, AT, MT, FR, FI, DE, LU, NL, DK, SE, UK

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Cross-border e-commerce

% of individuals who ordered goods or services over the Internet from sellers from other EU countries in the last 12 months

# Basic and high-speed broadband penetration: needs to increase
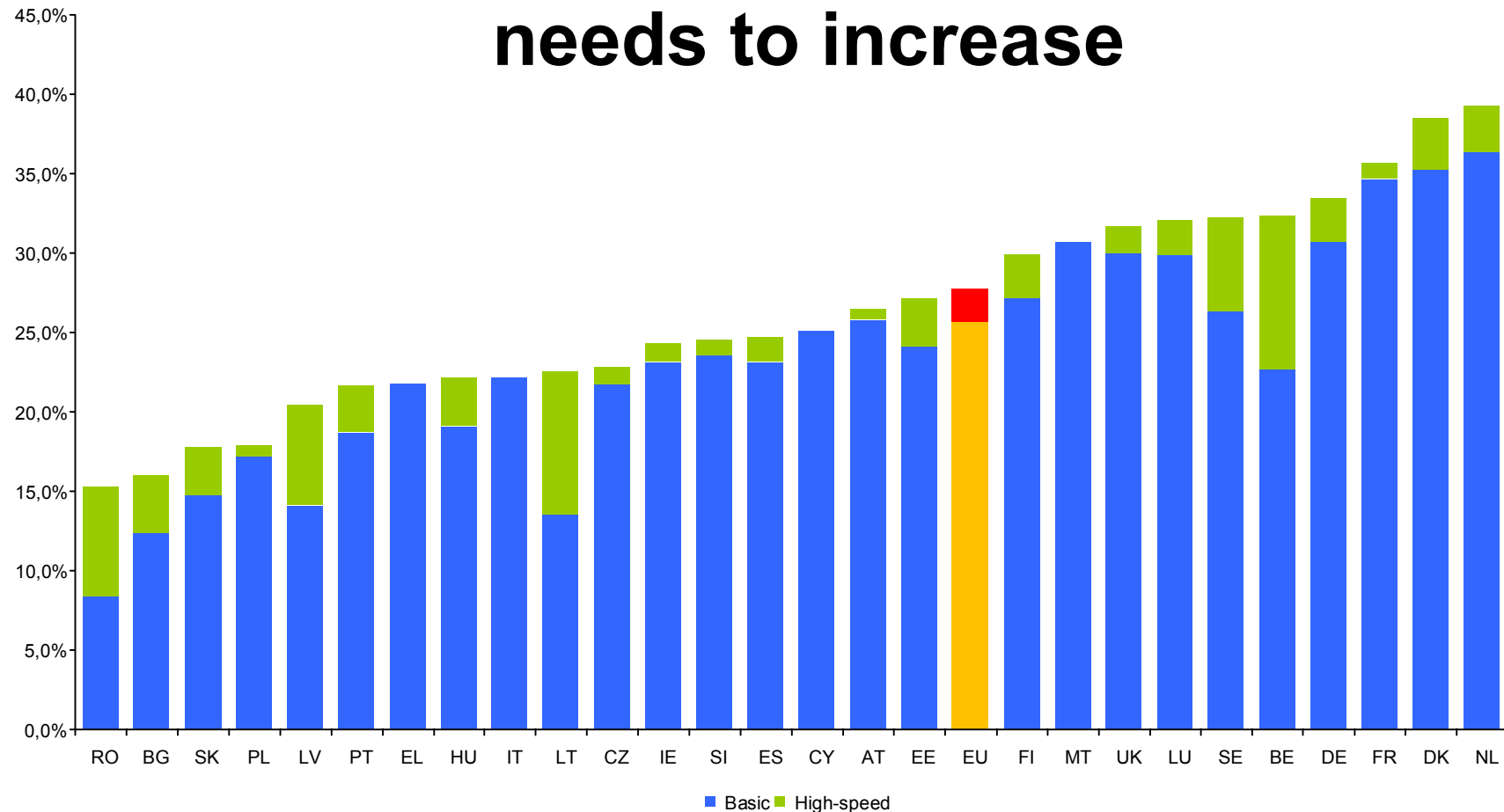
Source: Commission services based on COCOM Total number of subscription by households and enterprises divided by population.

DAE state of play

Digital Agenda Scoreboard

- Annual state of play of progress in all 101 Digital Agenda actions in all 27 EU Member States

- Overall progress good:

  - 38 actions completed

  - 49 on track

  - 14 actions behind schedule, but delivery dates in 2012
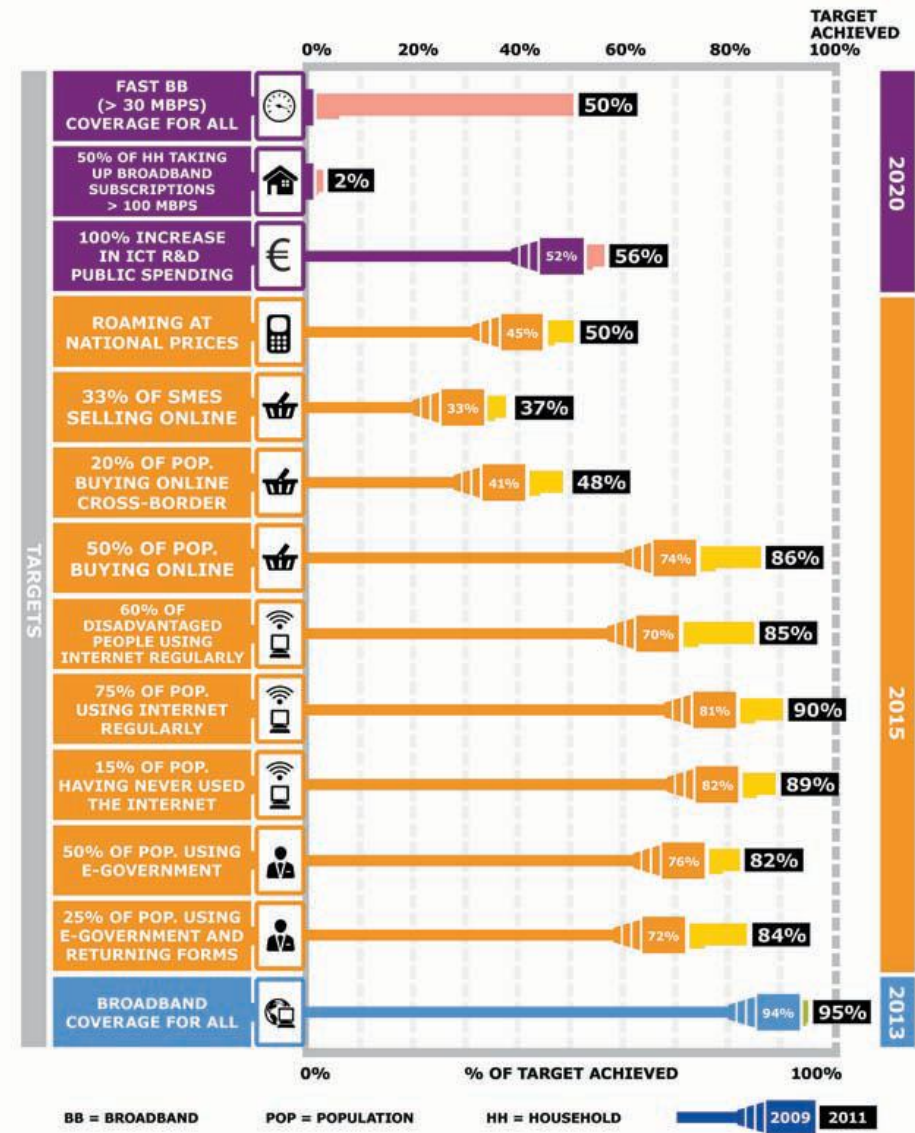
Stakeholder engagement

Online stakeholder engagement platform

https://ec.europa.eu/digital-agenda/

Monitoring country
progress – explore
open data

Digital Agenda Assembly

Connecting with
local stakeholders

Connecting Europe Facility

Making the Digital CEF happen

CEF => EUR 50bn for

- **Transport (30bn)**

- **Energy (9bn)**

- **ICT: broadband & digital public service infrastructures (9bn)**

Digital CEF: High-speed Broadband

- **At least <u>EUR 7bn</u>**

- **For 2020 targets (<u>at least 30Mb/s</u> for all)**

- **Via the <u>EIB</u> (plus national equivalents)**

- **To get <u>long-term investors</u> into the game**

- **Largely <u>budget-neutral</u>**

- **<u>SK estimate</u>: 30m -> 250m (20% of gap)**

Digital CEF: Digital Service Infrastructures

- **<u>Hubs</u> connecting Member State systems**

- **To <u>use & to drive</u> broadband**

- **Digitising = <u>modernising</u> public services**

- **Via grants & procurement**

Europeana, eID, eProcurement, eBusiness, eHealth, Data.eu, Safer Internet, multilingual services, European backbone, eJustice etc.

European Commission

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Digital CEF: State of Play

- **Council & EP discussions <u>nearing close</u>**
- **Substance <u>largely stable</u>**
- **Waiting for the <u>budget</u>**

Horizon 2020

Simpler and better research & innovation

Horizon 2020: State of Play

- **Council <u>agreed</u> Rules for Participation**

- **Parliament <u>to vote</u> in November**

- **Notable issues: <u>Open Access</u> to results**

- **Waiting for the <u>budget</u>**

Cloud Computing Strategy

"Unleashing the Potential of Cloud Computing in Europe" - of 27/09/2012

Enabling and facilitating <u>faster</u> adoption of cloud computing;

throughout <u>all</u> sectors of the economy;

to help cut ICT costs and

boost productivity, growth and jobs.

European Commission

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What is Cloud Computing?

Storing, processing and use of data
on <u>remotely</u> located computers
<u>accessed</u> over the internet

- Hardware owned by cloud computing provider who
- dynamically optimises hardware use which
- allows energy savings & transcends physical location.

- Users access data & software from anywhere on any device,
- pay by usage (CAPEX → OPEX), and
- can flexibly add or remove capacity.

Cloud Computing: Key Actions

1. Cutting through Jungle of Standards

2. Safe & Fair Contract Terms & Conditions

3. European Cloud Partnership

Cloud Computing: Other Actions

Focus Horizon 2020 support on bottlenecks

Connecting Europe Facility will use cloud

Cloud in International Dialogue and free-trade negotiations

Ďakujem za pozornosť!

Otázky?