

DG Information Society and Media European Commission

"Future networks and the internet"

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Which trends are important to prepare for?

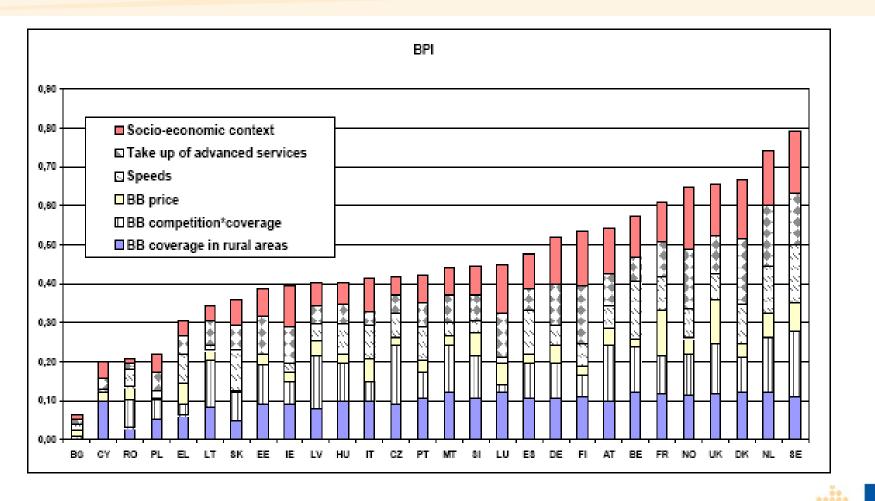
Communication on future networks and the internet COM 2008/594

Digital Information Created, Captured, Replicated Worldwide

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Social networking Examples 1.800 1.600 Tenfold 1,400 Growth in Nomadic use 1,200 Diotal TV **Five Years!** VP3 players 1.000 Digital camoras 800 Camera phones, VolP. Medical imaging, Laptops, Internet of Things 600 Datacenter applications, Games, Satellite images, GPS, ATMs, Scanners, 400Sensors, Digital radio, DLP theaters, Telematics, 200 Peer-to-peer, Email, Instant messaging, Videoconferencing, Industrial machines. Security systems. Appliances Explosion in data 2007 2008 2009 2010 2011 2006Euro IDC 2008

Indexing EU broadband perfomance



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IPv6 is an opportunity

- The Internet Protocol is at the heart of the Internet
- Unfortunately IPv4 addresses are being depleted and already now scarcity is being felt
- IPv6 is the protocol for the future but its implementation is still lacking
- There is an opportunity for Europe to lead the adoption of this protocol

IPv6 Action Plan

The Commission proposed an ambitious Action Plan

- By 2010 we should have made a significant step forward (25%)
- A key element is public procurement
 - We need a consistent and forceful strategy in all Member States

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....and what are the implications?

Privacy digital divide IPR content distribution Fibre broadband net neutrality end-to-end Copyright CONSUMER lock-in open standards innovation Security consumer empowerment VDSL ONS Competition law interoperability IPv6

Conclusions



- Recommendation on NGA
- Keeping the internet open to competition, innovation and consumer choice
- Broadband for all
- Privacy & Security
- Launching a debate on the design and development of the internet of the future
- Global coordination

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Thanks

References:

http://ec.europa.eu/information_society/eeurope/i2010/

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