Implementing IPv6: Best practices and way forward BEREC's perspective

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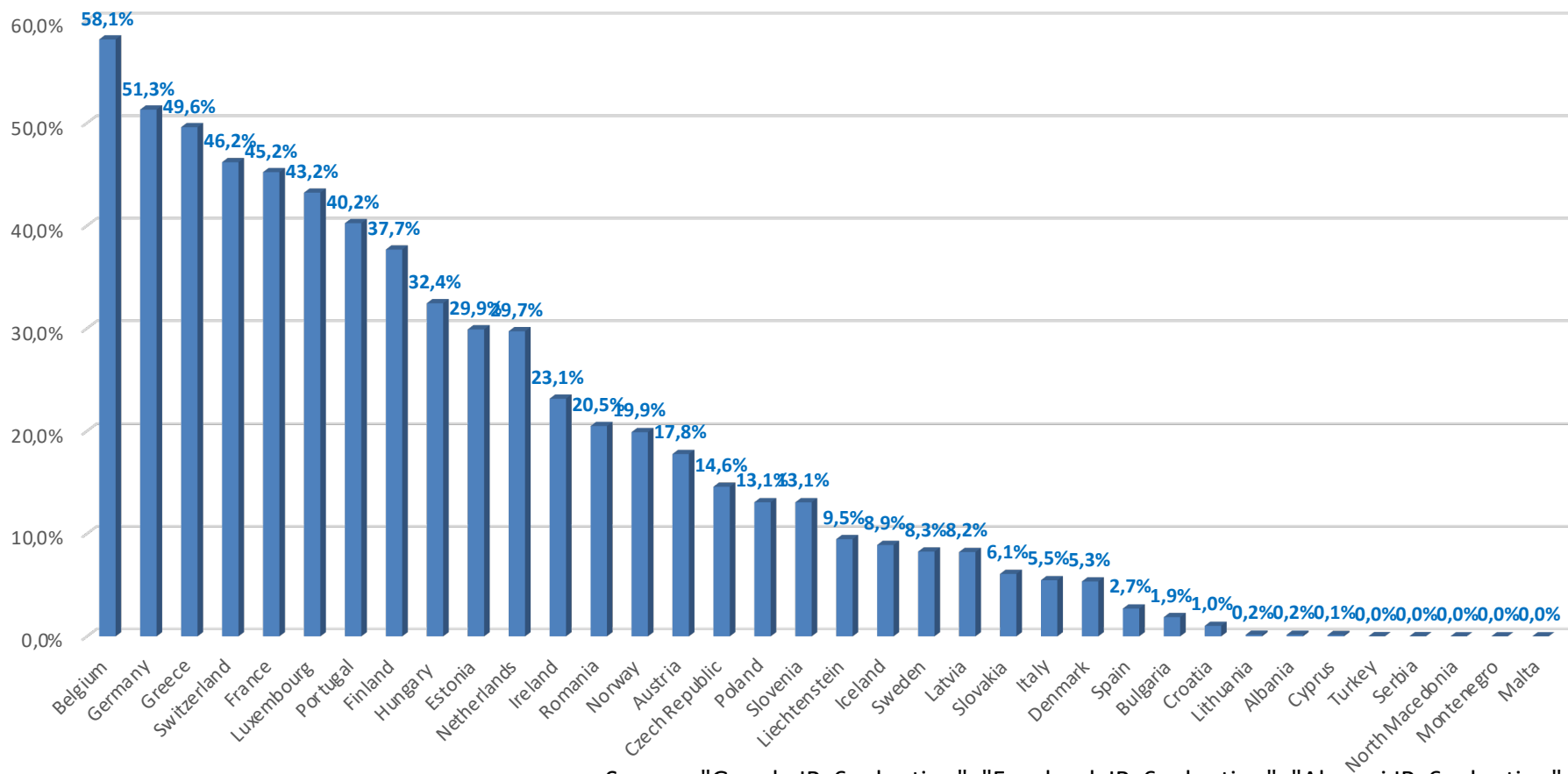for Electronic Communications

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BEREC has NO FORMAL MANDATE in the domain of IPv6

BUT...

- A sufficient number of public IP addresses are needed so that end-users can use and provide services and that the internet continues to function as an engine for innovation, relevant also in the context of Open Internet Regulation

- In recent years the pool of IPv4 addresses has significantly decreased and transition to IPv6 is essential

- BEREC's high-level strategic priorities:
  - promoting full connectivity
  - supporting sustainable and open digital markets
  - empowering end-users

IPv6 deployment across BEREC+
(BEREC members and participants)

Source : "Google IPv6 adoption", "Facebook IPv6 adoption", "Akamai IPv6 adoption" and "Apnic IPv6 preferred" median value as of mid-January 2021.

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- Implementation of a voluntary **code-of-conduct** (BIPT, Belgium)

- Organisation of a **national IPv6 launch** (Traficom, Finland)

- Publication of an annual IPv6 **barometer** (Arcep, France)

- Introduction of an **obligation** for mobile operators to be IPv6 compatible (Arcep, France)

- A number of NRAs are…

  – Gathering information from ISPs about the status of their transition

  – Setting up national task forces, composed of different entities, in order to, among other actions, exchange best practices
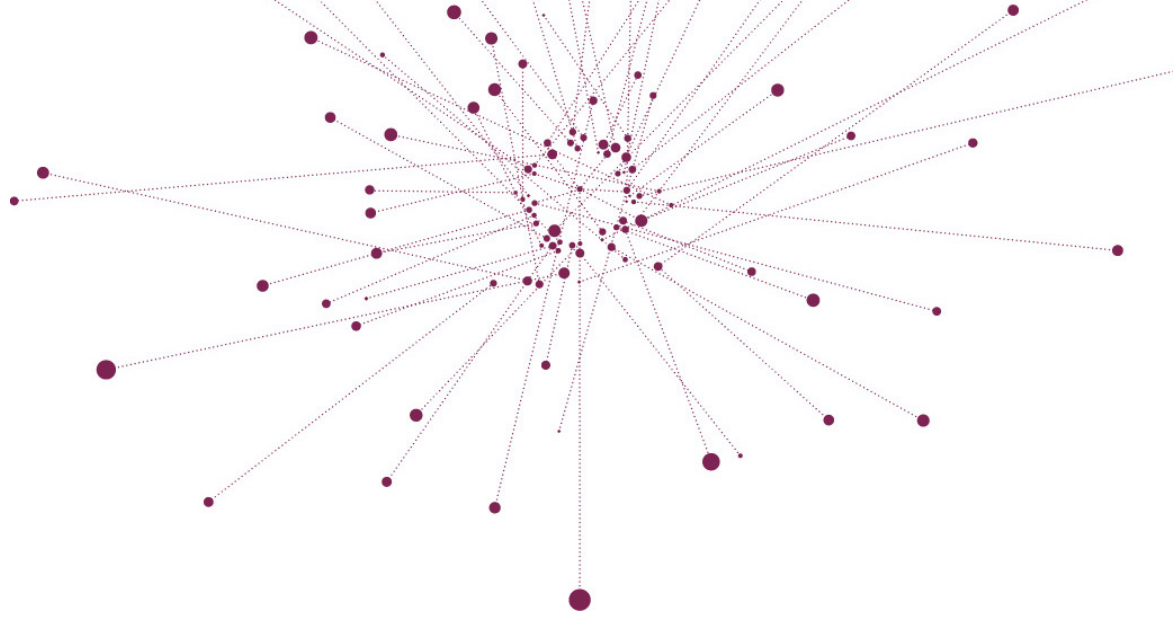
- Gathered **information** from stakeholders to a virtual **workshop** (October 2020)

- Providing an overview of the **progress** in BEREC+

- Raising NRAs' **awareness** of the transition to IPv6

- Description of **best practices**

- Preparation for a **potential work item** in the BEREC Work Programme 2022

BEREC (virtual) public workshop on IPv6 deployment across Europe

Wednesday, 19 May 2021: 1400-1600 CEST

www.berec.europa.eu

- Status of IPv6 deployment is fragmented across Europe

- Many BEREC+ countries are below the global average and in some BEREC+ countries the deployment has not even started

- Few NRAs have any formal competence or mandate for IPv6

- NRAs active in the area have taken actions based on their general mandate and objectives to promote connectivity and availability and general quality of internet access services

- Data availability on the status of the transition to IPv6 also varies – potential hindrance for policymaking

- Exhaustion of IPv4 addresses ➔ necessity of transition to IPv6

Thank you!

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