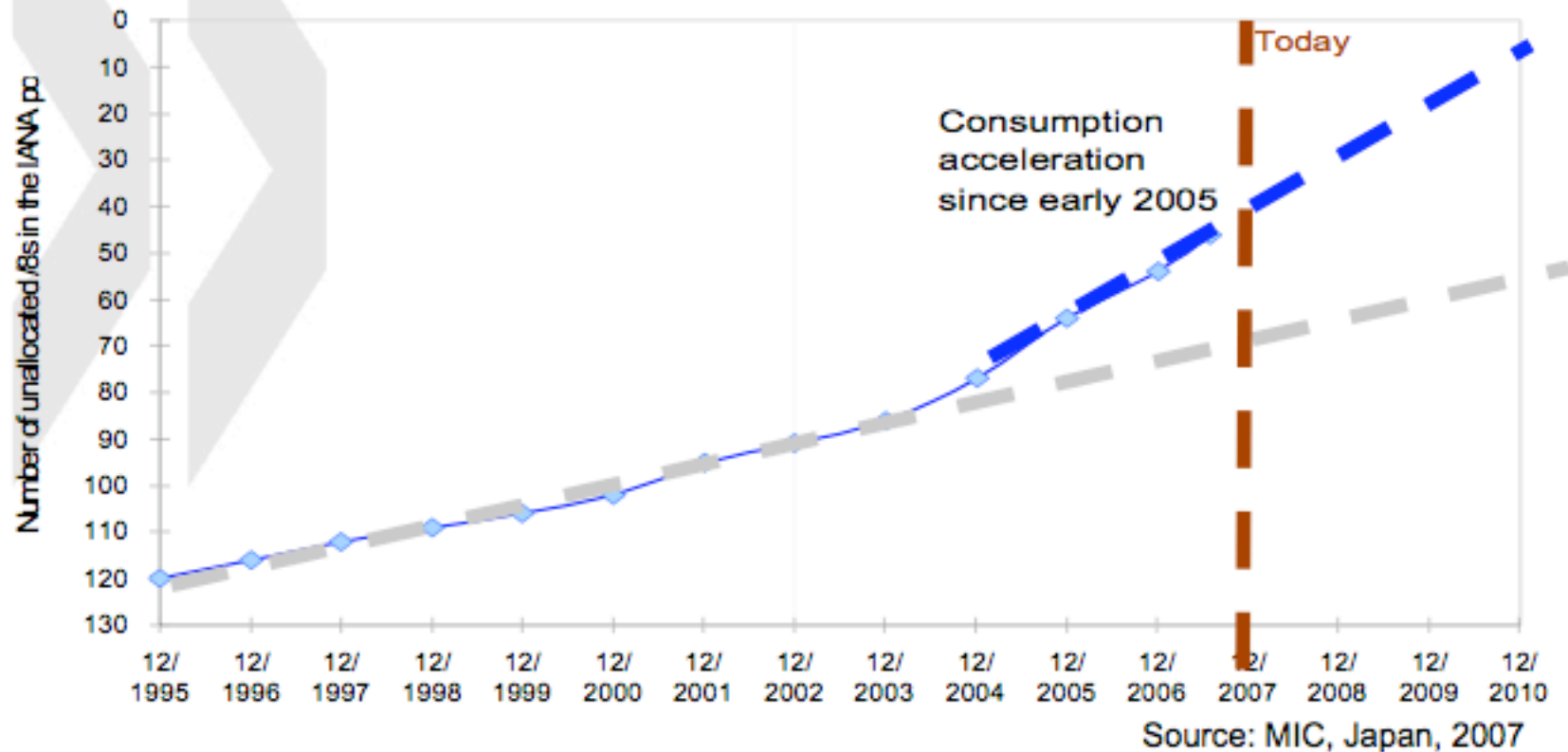# IPv6 bevezetése és az egyetemek és kormányok szerepe egy EU inciativa tükrében

Mohácsi János

NIIFI

2008.06.05

1. Facing IPv4 *address space* issue has become more urgent
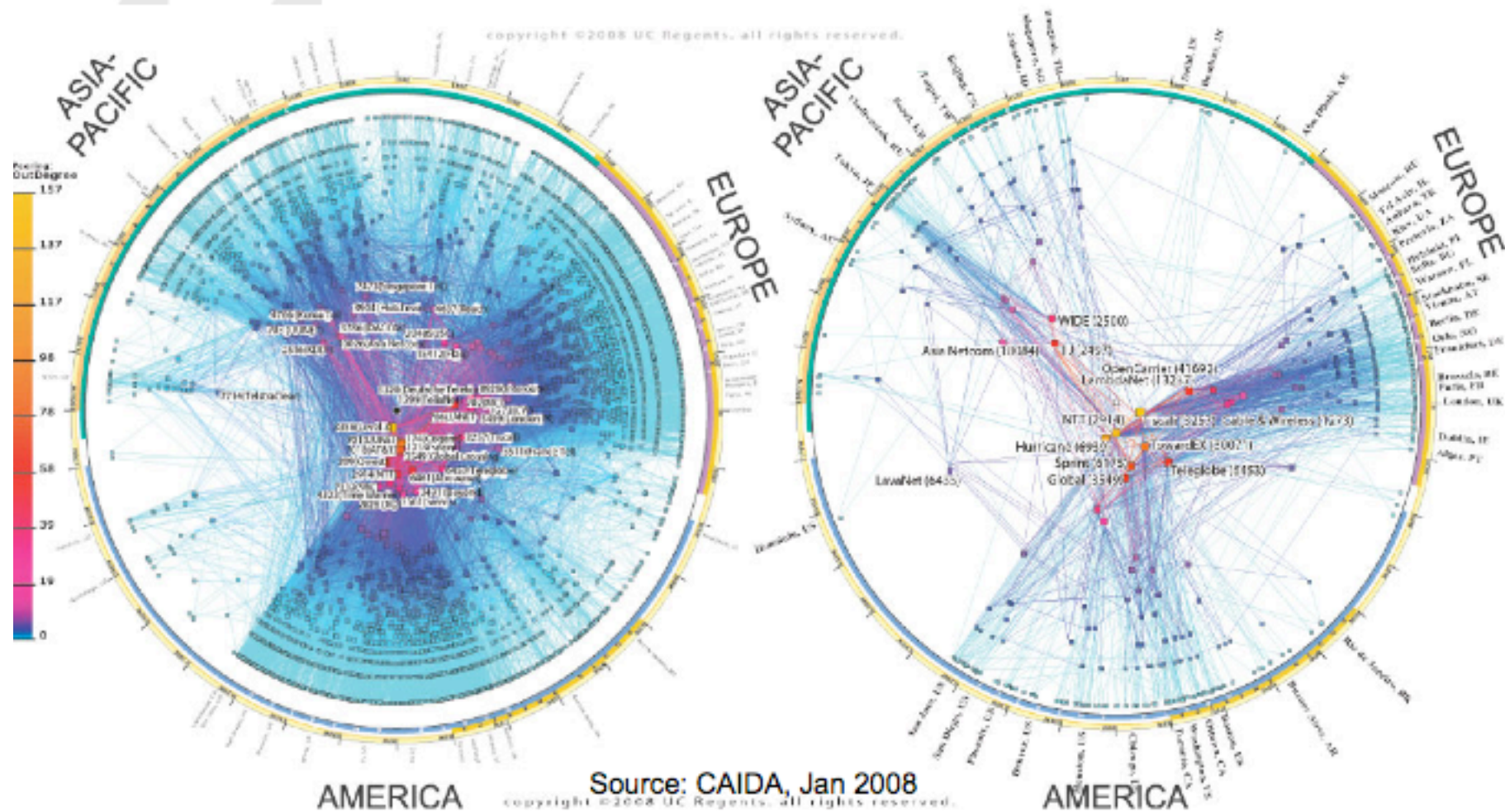

Source: MIC, Japan, 2007

- The current Internet is based on the Internet Protocol version 4 (IPv4), which is finite.
- Available IPv4 number pool will be entirely allocated within **a few years** (2 or 3 years, *i.e.* 2010-2011)

2. 10 years on, much more use of IPv4 than of IPv6. Europe & Japan lead in IPv6 connectivity.

IPv4/IPv6 Internet topology maps – AS-level Internet graph

IPv4   **IPv6**

Source: CAIDA, Jan 2008

Importance of IPv6

- Why is the IPv4/IPv6 issue relevant to policy makers?
  - **Platform for innovation & growth**
- Governments should focus on building awareness of IPv6 and being early adopters
  - Plan adoption of IPv6 for governments
  - Internal use and for public services.
  - Ensure new programmes consider the relevancy of IPv6 and assess public programmes and priorities to determine how they can benefit from IPv6.
  - Ensure relevant government security entities integrate IPv6 security dimension.
  - Education initiatives.
- Operators to consider IPv6 connectivity in traffic exchange agreements

EU initiative

- Europe should sets itself a target: at least 25% of users should be able to connect to IPv6 2010.
- Cooperate with content and service providers – encourage ISP to provide IPv6 connectivity
- EC will work with the Member States through i2010, IDABC, eGovernment
- IPv6 to be used by Research Projects under FP 7 whenever possible "Europa"and "CORDIS", IPv6 accessible 2010
- Encourage Member States to use Public Procurement
- Awareness campaigns intended for different users groups.
- Stimulate co-operation thematic network
- Support of the inclusion of IPv6 on education curricula through a separate study.
- Security and Privacy (S&P) issues.
- Progress Review 2010 to assess the progress through separate study

További információ

- http://ec.europa.eu/information_society/policy/ipv6/events/index_en.htm
- Governments and business must tackle Internet address shortage together, says OECD:
  - http://www.oecd.org/document/29/0,3343,es_2649_34255_40542045_1_1_1_1,00.html