



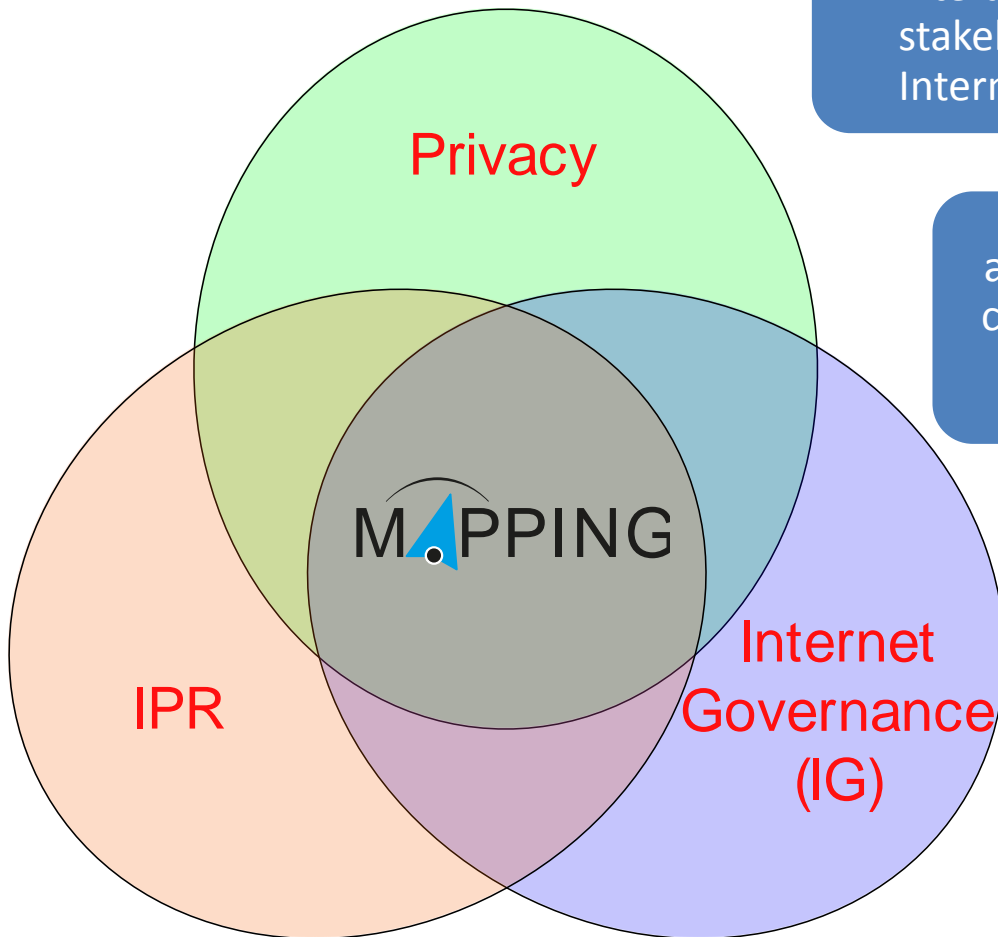
Privacy vs. Law Enforcement: Policy vs. Technology: Options and Trade-Offs

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IG: a product of interactions among stakeholders of the Internet ecosystem

- Definitions, actors, stakeholders,
- Rights/responsibilities.

a cohesive and coherent EU IG policy

- participative freedoms
- ethics and security

Bottom-up participation within national and EU-wide debates;
EU participation in international IG fora

Digital transition

- Internet Magna Carta vs. liberal approach
- International treaty

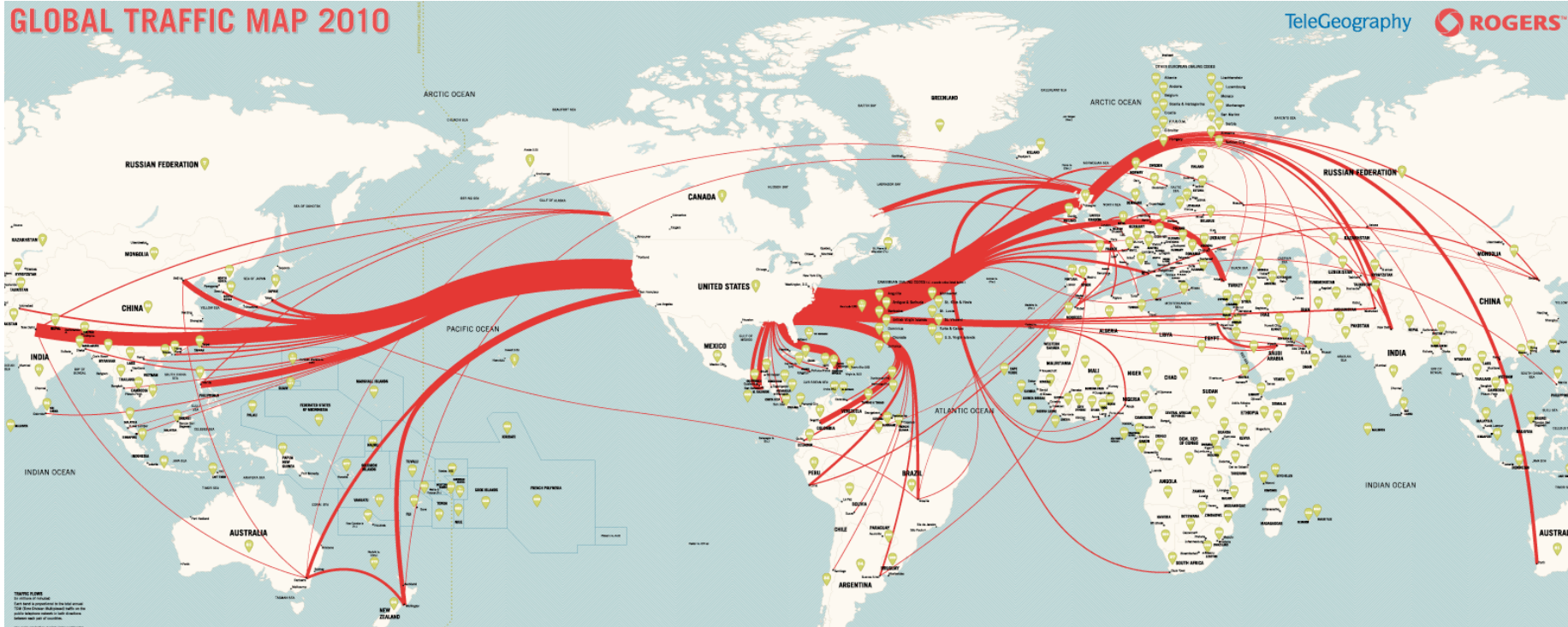
Cybercrime, Cybersecurity and fundamental rights

- In a global world, the needs for security and surveillance are also global
- Treaty on surveillance (as the Convention on Cybercrime?)

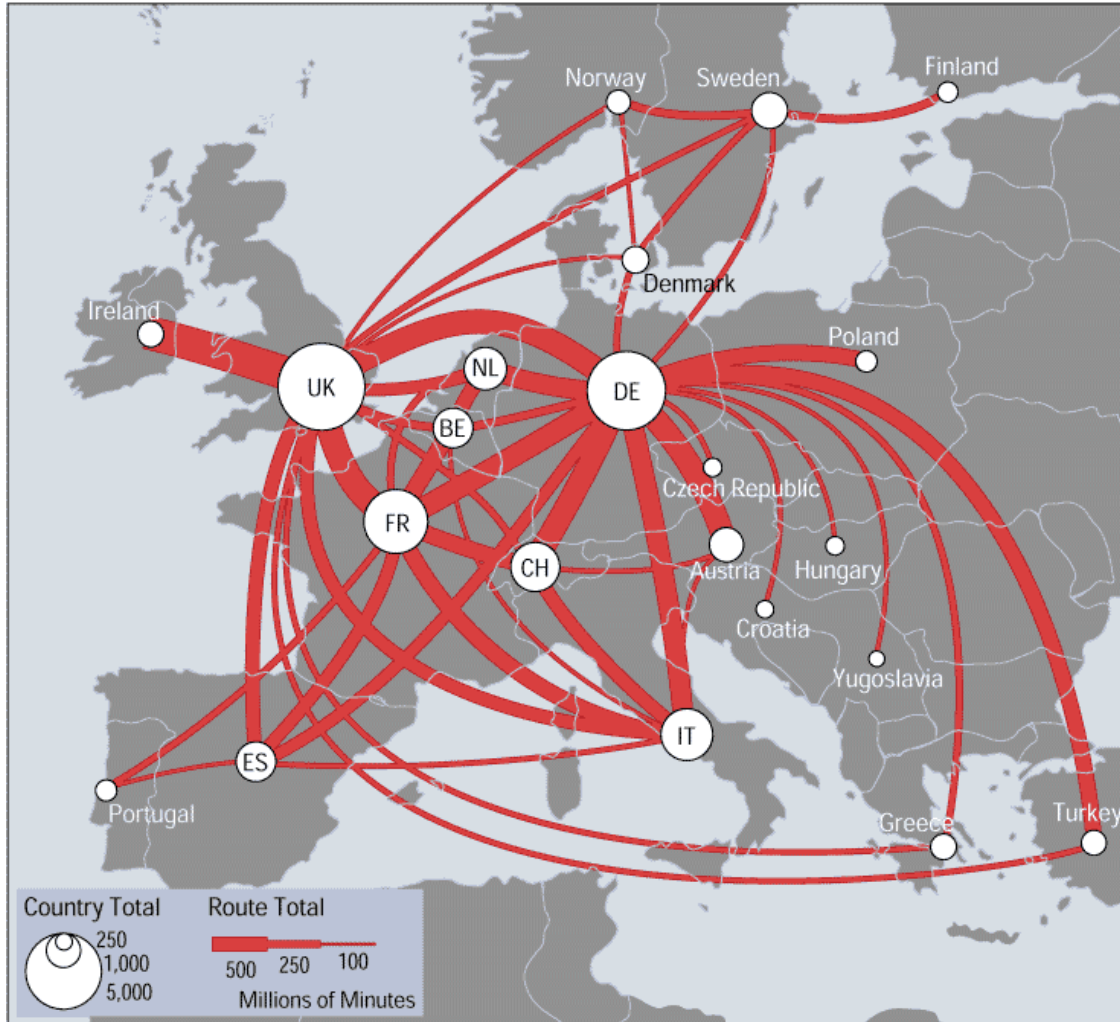
Parallel Internet? (Shengen-net? China-net? TLDx-net?)

- a part of the Internet with additional safe-guards built-in
- a subject to the jurisdiction of the EU
- not a subject to the jurisdiction of any security or service agencies

GLOBAL TRAFFIC MAP 2010



Keeping the traffic in Europe?



A firewall
creating a
VPN for
500m users?



Device fingerprinting
Do not track
Private browsing



Censorship-resistant,
privacy-preserving,
decentralized secure networking



GNUnet

Tor, Hornet, Public Ledgers..

Partial anonymity
Partial unobservability



ISO/IEC 20191



ATTPS

Achieving
The
Trust
Paradigm
Shift

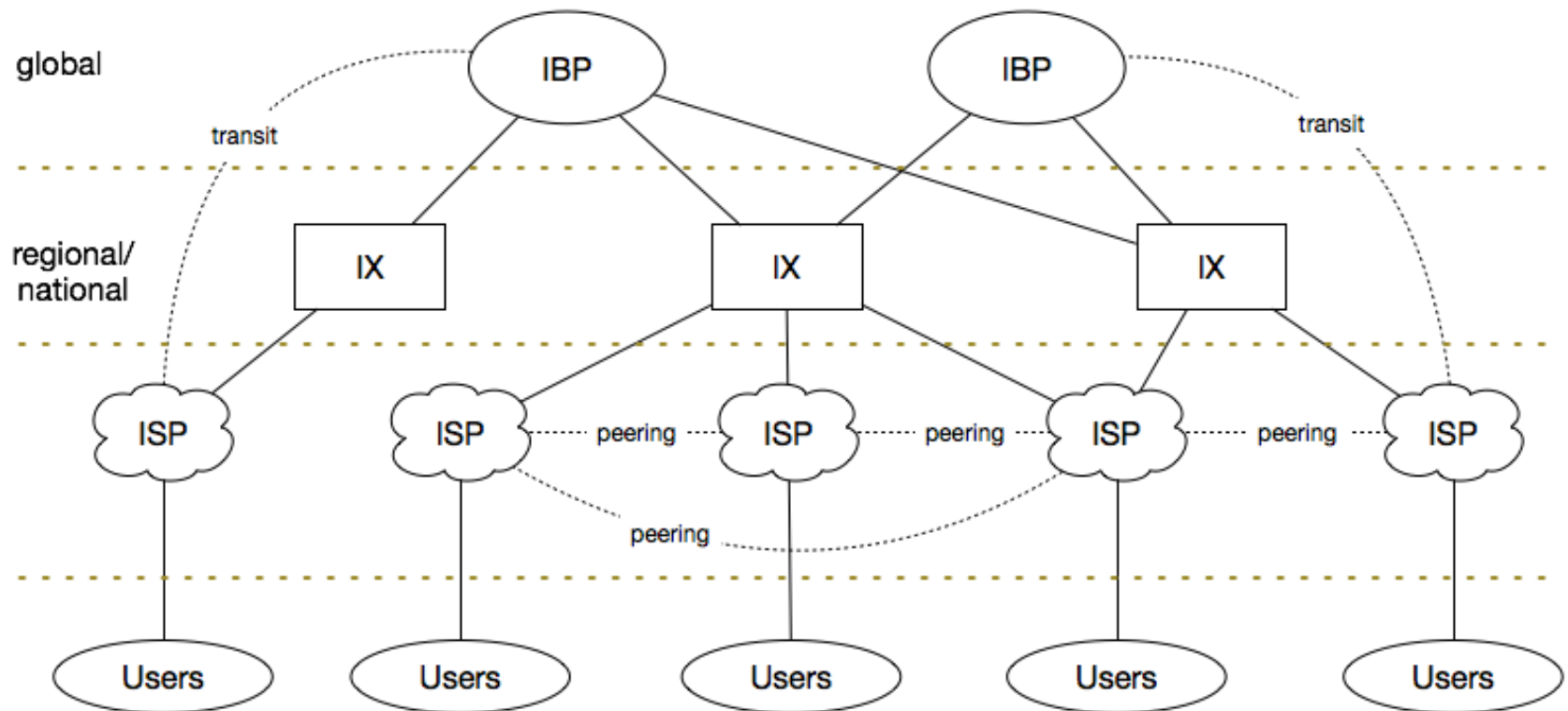
Vendor relationship management
Personal RFPs



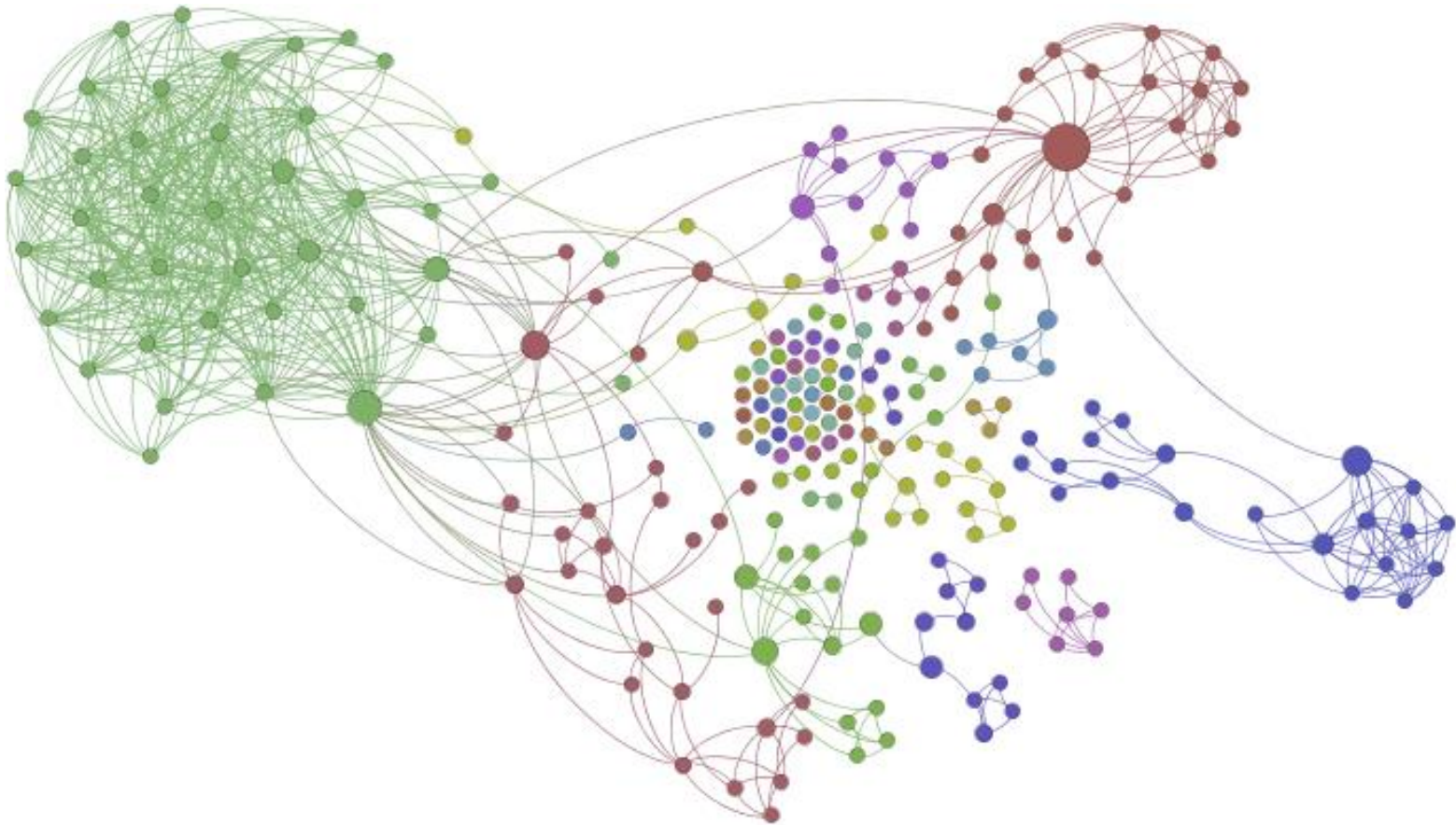
Strong crypto
Crypto by default, TOFU



The Internet was not intended to be that hierarchical



What if the internet would be structured along social graphs?

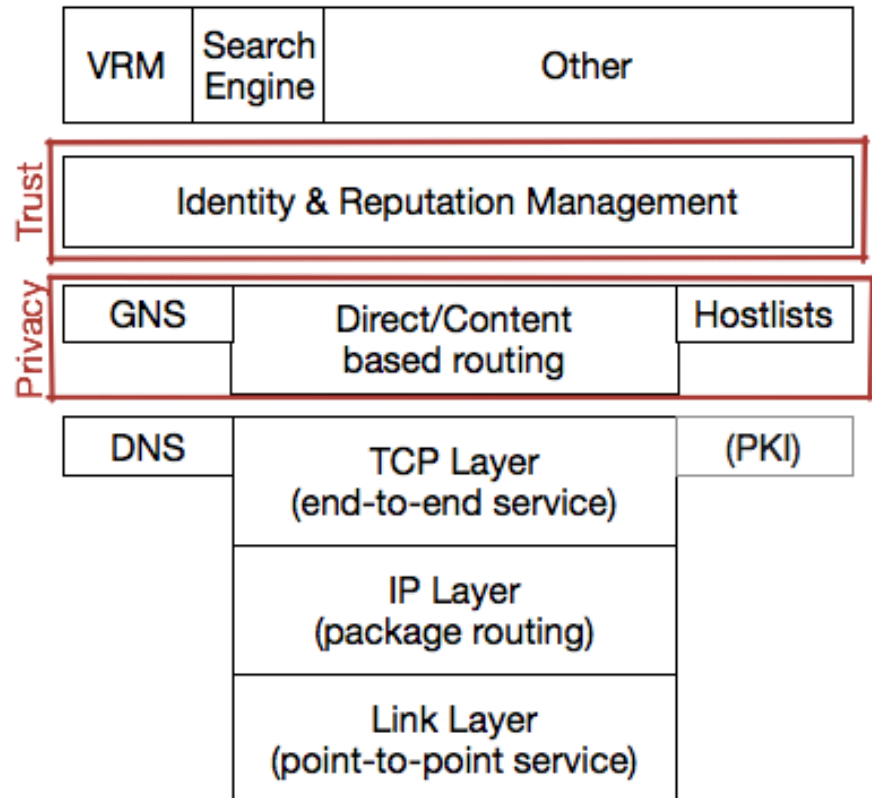


Legacy Internet

Data commerce			e-commerce	B2B, G2G, G2C, etc.	P2P
Search Engine	Social	Media			
Data collection (Targeted Ads)					

DNS	TCP Layer (end-to-end service)	TLS	PKI
	IP Layer (package routing)		
	Link Layer (point-to-point service)		

Adding Trust and Privacy Layers




- ▶ A “policy watch” in several EU countries in the areas of Privacy, Intellectual Property Rights and Internet Governance
- ▶ Synthetic overview on [the policy news](#),
- ▶ Comparative policy overview tables



[Subscribe RSS feed:](#)

- ▶ Mobilize ICT stakeholders;
- ▶ Create joined-up understanding;
- ▶ Research meets practice” to tackle pressing issues of the “digital transition”;

- ▶ (i.e. we want you!)  ... Join the policy observatory,
speak up at the MAPPING assemblies;

e.g. at the Second General Assembly in Prague, November 1 – 3, 2016