

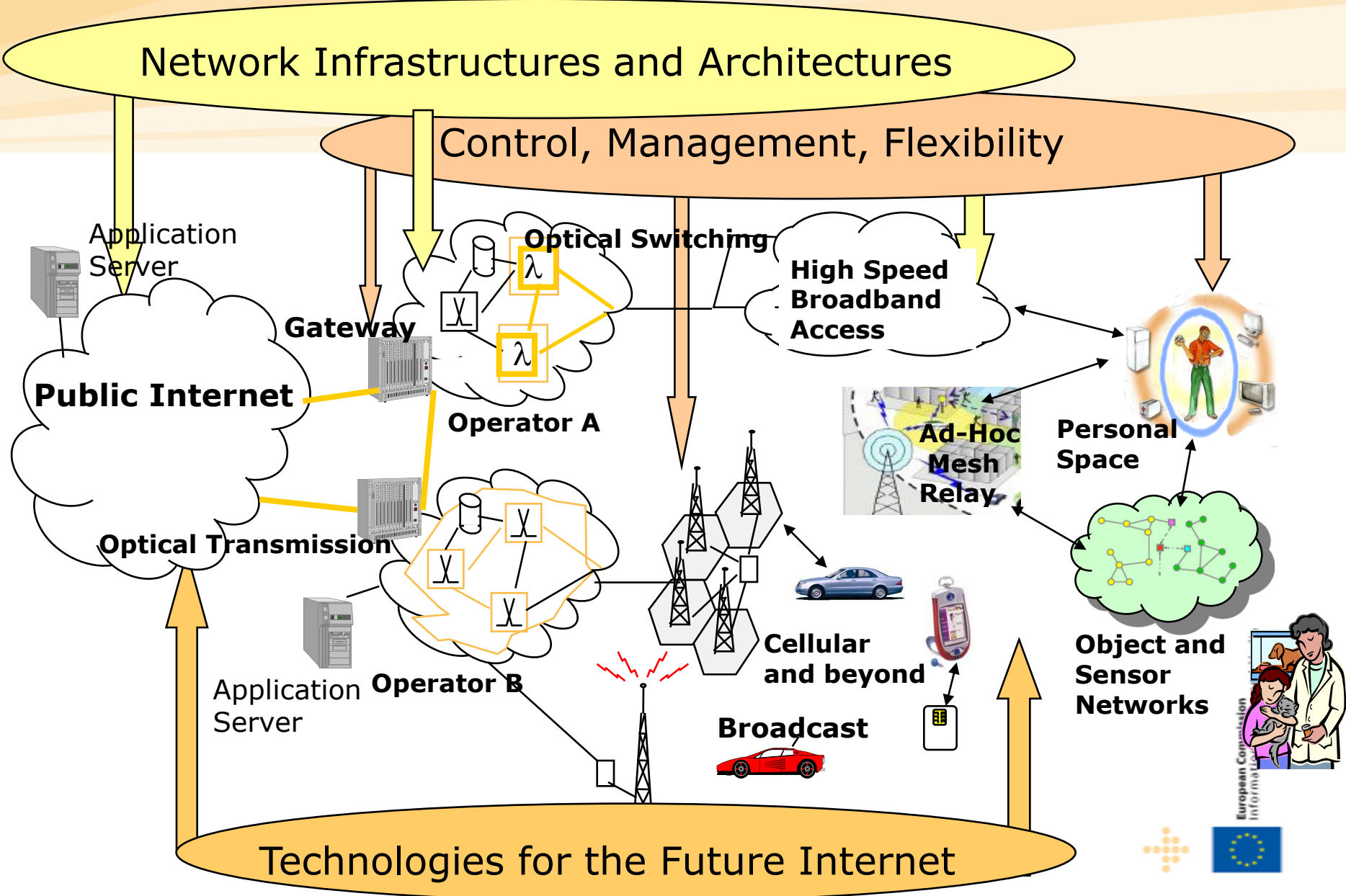
Ubiquitous Networking

Rainer Zimmermann, EC Head of Unit, Future Networks

Hiroyuki MORIKAWA, Department of Information and Communication Engineering and Department of Frontier Informatics, The University of Tokyo



The Network of the Future



Wireless Sensor & actuator networks (WSANs)

- Context-awareness
 - a greater integration of the physical with the digital world is needed, including PAN, body networks
- closed vertically integrated WSAN deployments
 - Need for an open managed framework for WSAN
- Embedded sensors and actuators will make up the majority of connected devices in the Future Internet
 - Need to consider their specific requirements on the design of the Future Internet.
- Power consumption of wireless sensors and actuators is still an issue in many applications
 - Ultra-Low-Power radio technologies

