Future Internet of Services

Maria Tsakali
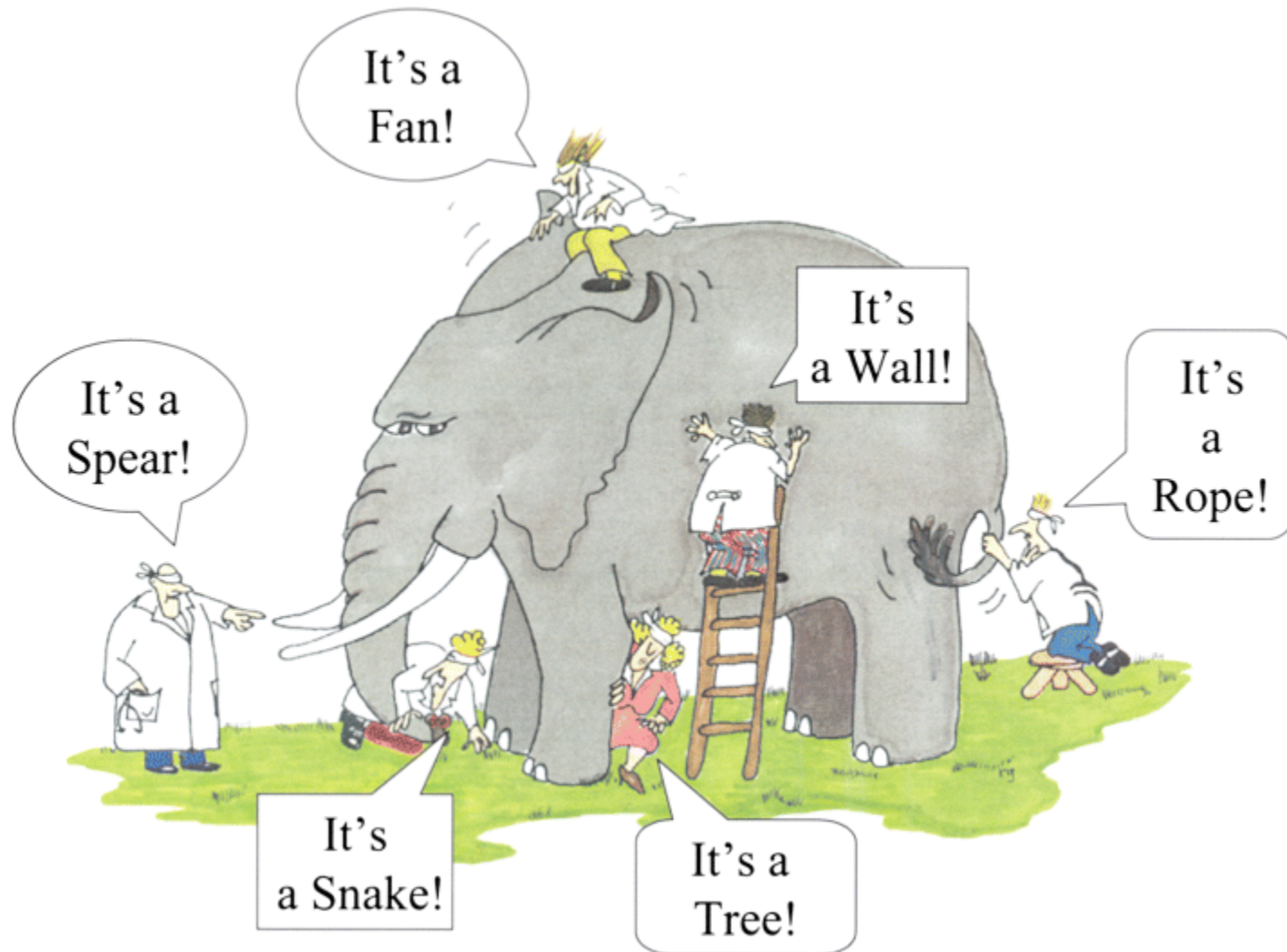European Commission
Information Society and Media Directorate General
Software & Service Architectures and Infrastructures Unit

SEVENTH FRAMEWORK
PROGRAMME
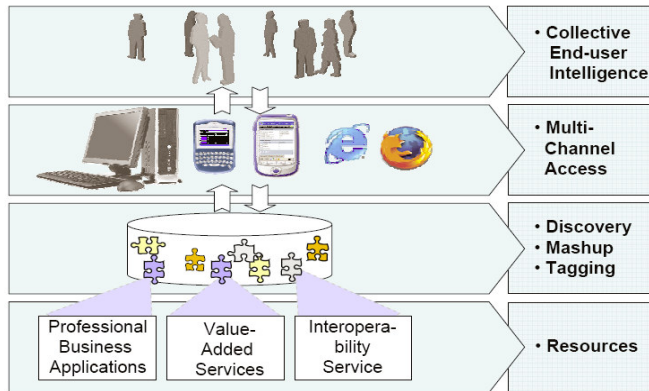
European Commission
Information Society and Media

What is the Future Internet?

What will the Future Internet look like?
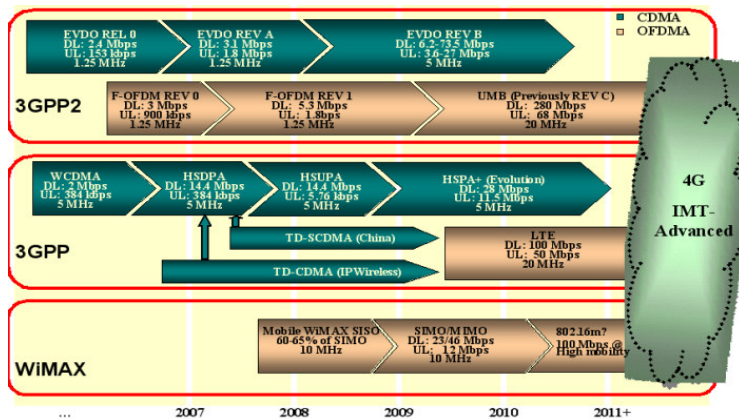
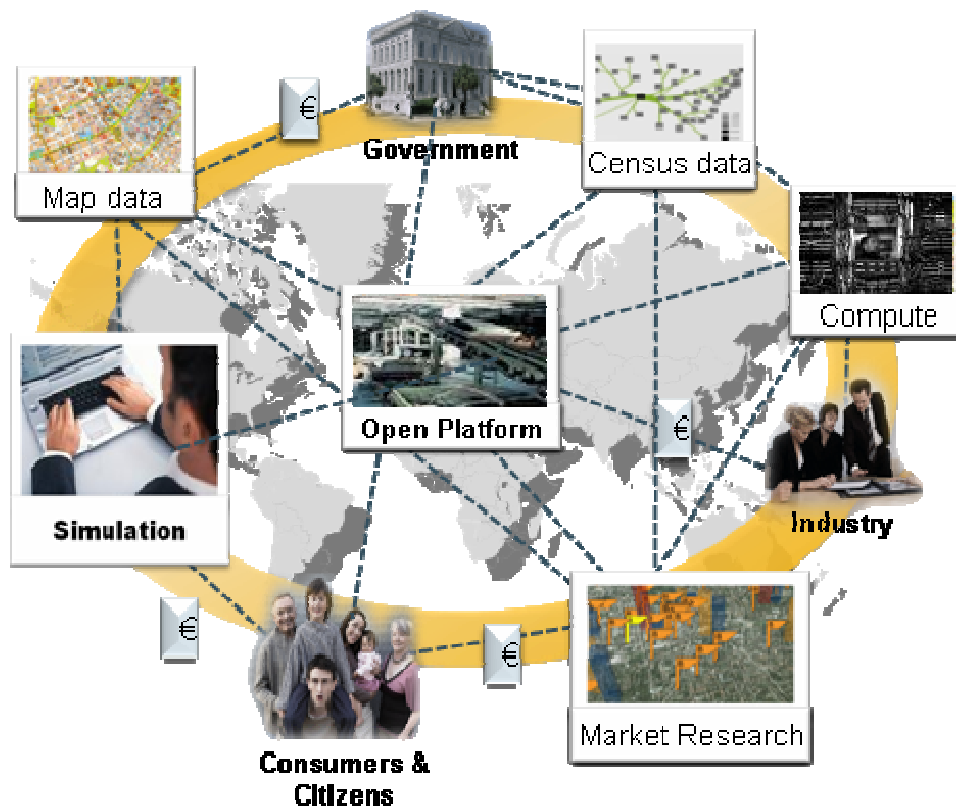## Internet of Services, Service Web

3D Internet

Trust

Security

Networks of the Future

Internet of Things
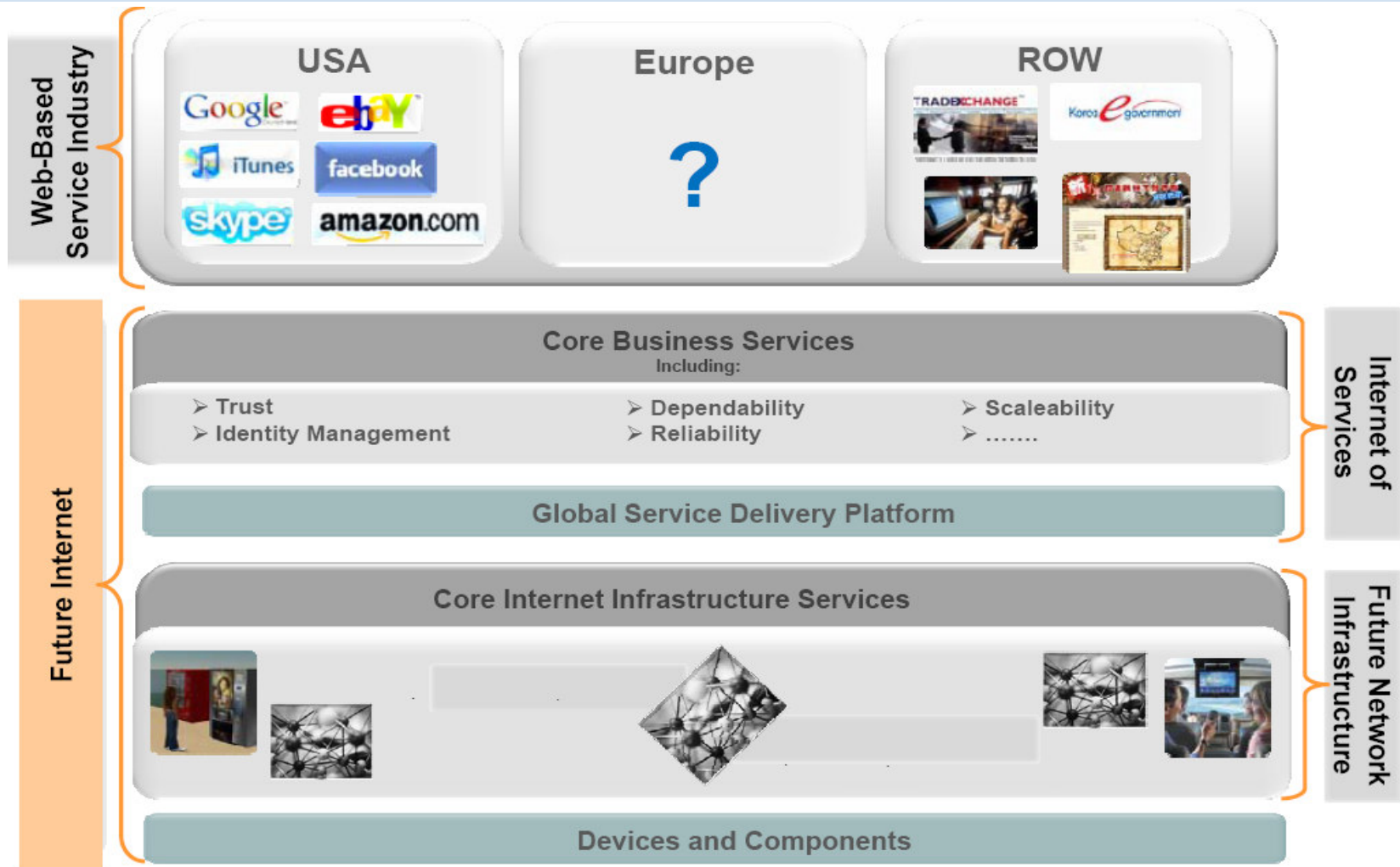
3

Internet of Services Vision

A multitude of connected IT services, which are offered, bought, sold, used, repurposed, and composed by a worldwide network of service providers, consumers, aggregators, and brokers

- resulting in -

a new way of offering, using, and organising IT supported functionality.

4

Service Industry and the Future Internet

Roles in global service delivery

Service Gateway — ► Making services available

Service Aggregator — ► Composing services into value-added services

Service Broker — ► Brokering and billing of value-added services

Service Channel — ► Delivery of value-added services using customer specific channels

Internet of Services
Topics for future research

Services for the Future Internet

Service Front Ends

Architectures & components

Virtualisation

Highly Innovative

Service Engineering

Verification

Open Source Software

The context

Future Internet

- Future Networks
- Internet of things
- **Internet of Services**
- Media & 3D Internet
- Security & Trust

Future Internet
Cross-domain challenges

➢ **Interoperability**
  - ✓ Interoperability should not be limited to a specific technology platform, but should extend across platforms offering businesses and consumers choice at all levels.
➢ **Identity management**
➢ **Security, Privacy, and Trust**
➢ **Self-Management & Governance**
➢ **Software and Service Engineering**
  - ✓ Is the key to developing good quality and reliable software and services for the Future Internet
➢ **Semantics**
➢ **Open source software**
➢ **Etc.**

What are WE doing about it?

➔ EU Research Framework Programmes

Europe Must Act

- The Future Internet is our future

- The European Commission has put the Future of Internet at the heart of its research programmes

- Europe is investing in research and is putting in place the right regulatory framework needed to provide new opportunities for jobs in the Future Internet economy

- Joint Future Internet research
  - Future Internet Assembly

For more information

FP7
http://cordis.europa.eu/fp7/
http://cordis.europa.eu/fp7/ict/

Software & Service Architectures and Infrastructures
http://cordis.europa.eu/software-services

Future Internet
http://ec.europa.eu/foi
http://www.future-internet.eu/

Next Events
- **ICT 2008 Lyon 25-27 November**
  http://ec.europa.eu/information_society/events/ict/2008/index_en.htm

- **Future Internet Assembly, Madrid, December 9-13**
  http://www.fi-madrid.eu

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