

Vision for the Future of Internet

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Plataforma Tecnológica de Convergencia hacia Internet del futuro

Future Internet is the new European challenge

Web 1.0

- Just text applications
- Some music and small images

Web 2.0

- Web 1.0 plus
- Video and Graphics
- User Generated Content

Web 3.0

- Video HD
- Virtual Worlds 3D
- 3D navigation



How is the Future of Internet?

Video 3D

- 3D interfaces
- 360 Screen
- Immersive Second life

Hybrid world

- Real and virtual
- Seamless and blurred
- Holography



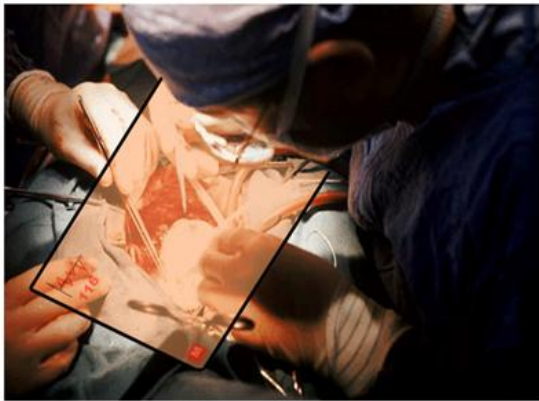
It will change our way of life: How we work

The way we live

- E-Health
- New ways of shopping

The way we work

- New manufacturing techniques
- Virtual meetings



What do we need?

Open interfaces

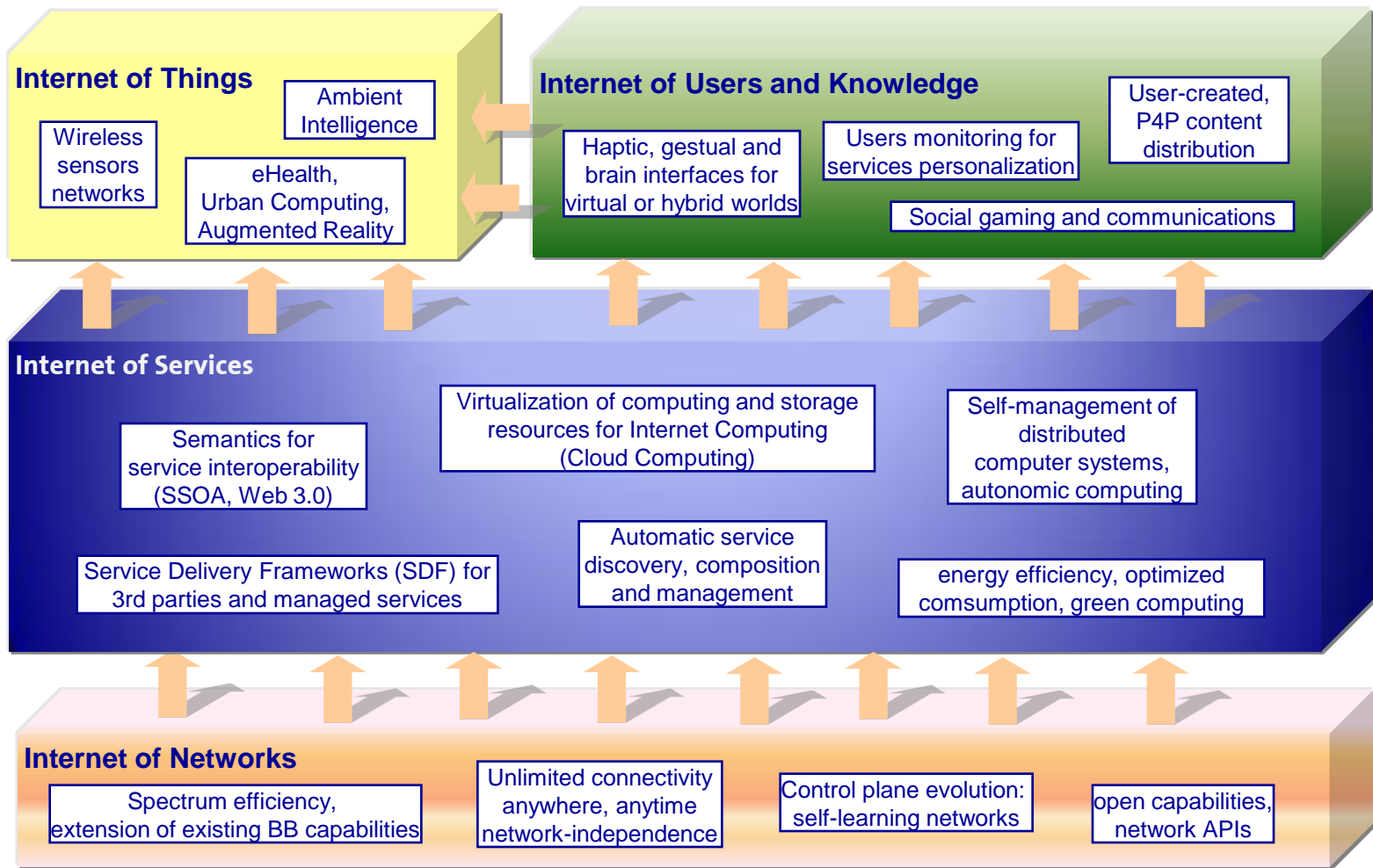
- Open applications from several providers
- Any time anywhere communications
- Ubiquitous and ambient intelligence
- Interoperability

Issues and challenges

- More Bandwidth
- New applications and tools
 - Search, security
- Do we need a new architecture?



The future of internet requires many technologies

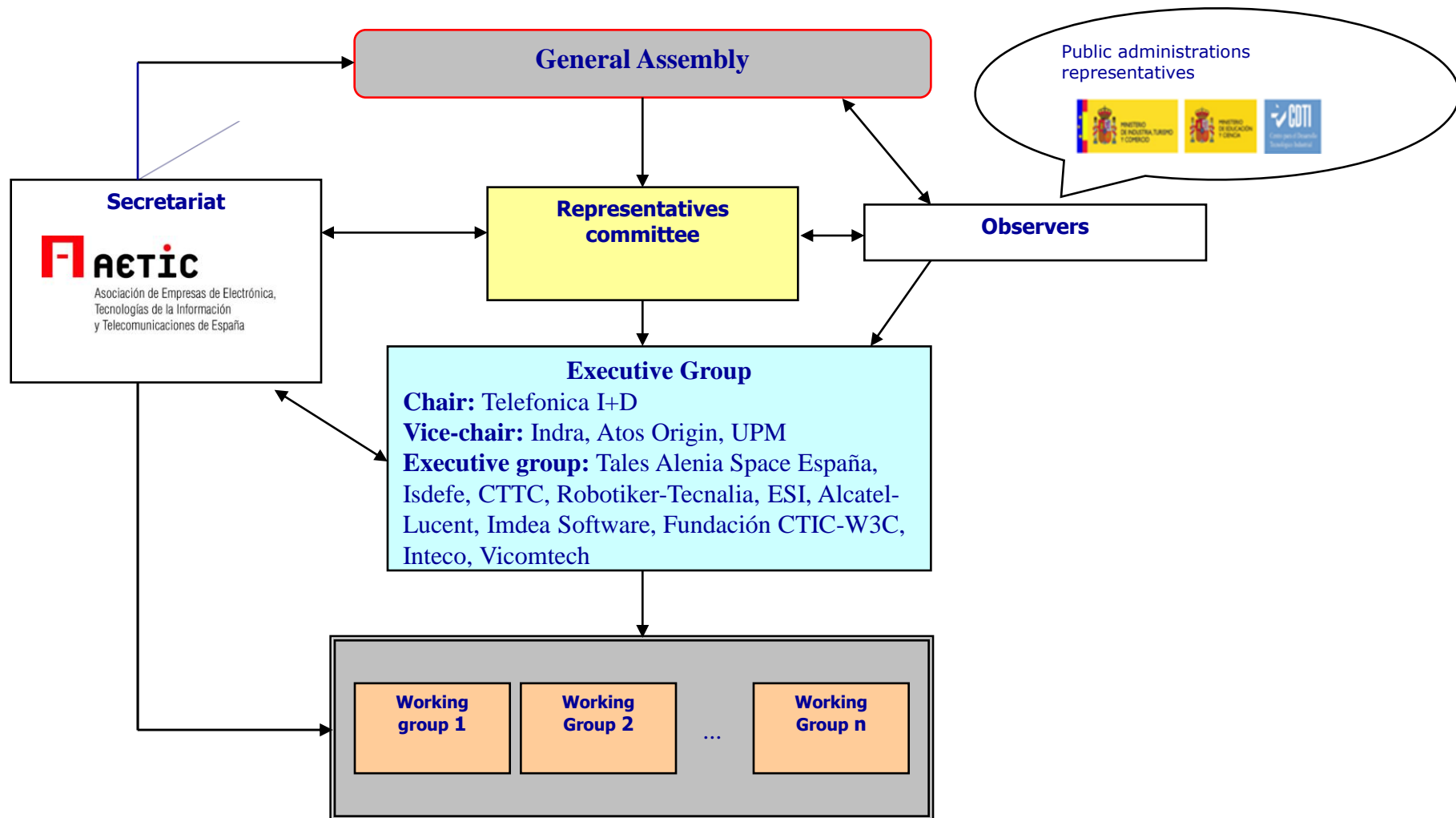


The Spanish response to the Challenge

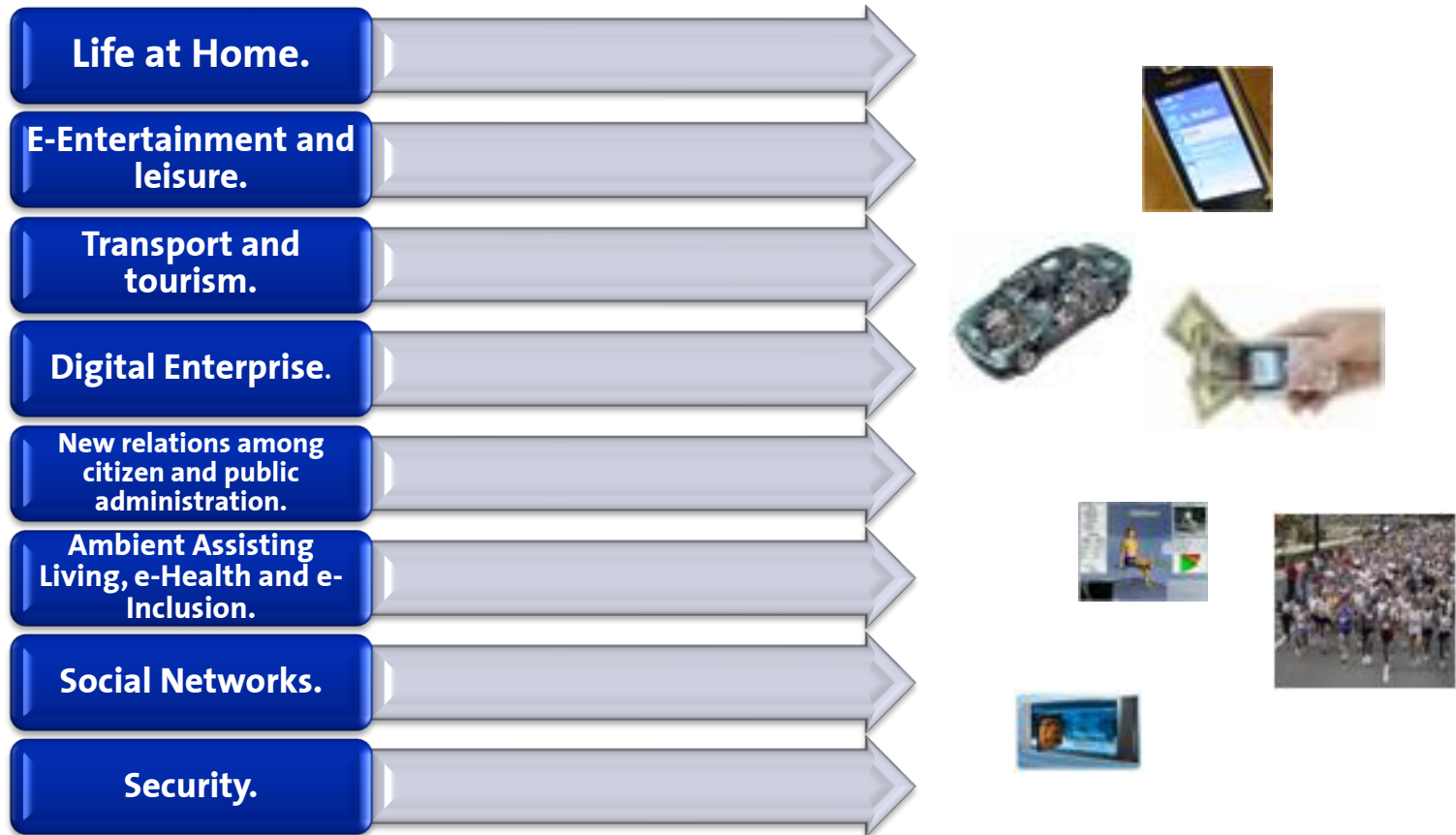


Future Internet is conceived as the future telecommunication network meaning by network, infrastructures, contents, services, things and having the user as its centre.

Es.internet organization



The long term aim will be that people can be connected “anytime, anywhere and with any device” what must contribute to enhance his/her quality of life applied in many aspects



Ensuring coherence of action and avoid fragmentation of efforts

- economies of scale to have a sound competitive position

Promoting the collaboration between industry and academia

- ensuring better planning, with special focus on SMEs, who could benefit of the “tractor” effect

Guaranteeing continued funding from the public administration

- allow a long-term investment in R+D+i reducing the associated risks.

Raising awareness of the importance of the development of Internet

- showing the applicability of the net in many social services which might greatly enhance their quality of life.

Improving the regulatory framework,

Ensuring interoperability of systems, terminals and networks

- facilitating the standardization work.

Promoting internationalization of Spanish industry

- participation in international R&D programmes.

European Level

- The launch of a new Action within FP7 work programme: “the **Short-Medium term Future Internet Perspective**”, asking European Commission to identify possible additional funding available within the European Union budget period (2007 – 2013) and not constraining to FP7 current budget, but exploring other sources of funding, like Structural Funds.

National Level

- Promoting a specific “**Spanish Strategic Action**” within the Avanza R&D Programme, to ensure the accommodation of small and medium size R&D projects, complemented with a set of CENIT, TRACTOR, SINGULAR projects, bearing in mind a general coordinated approach, to ensure the Spanish Future Internet Strategic Research Agenda is well covered.