

# The Future of Internet

Jose Jimenez.  
Telefónica I+D



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

- Virtual Worlds 3D
- 3D navigation
- Meaning



# How is the Future of Internet?

## Video 3D

- 3D interfaces
- 360 Screen
- Immersive Second life

## Hybrid world

- Real and virtual
- Seamless and blurred
- Holography



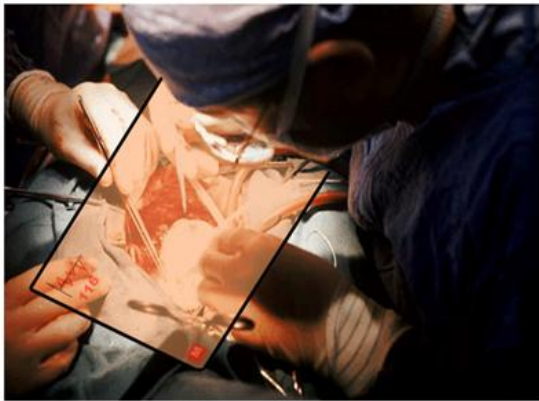
# It will change our way of life: How we work

## 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

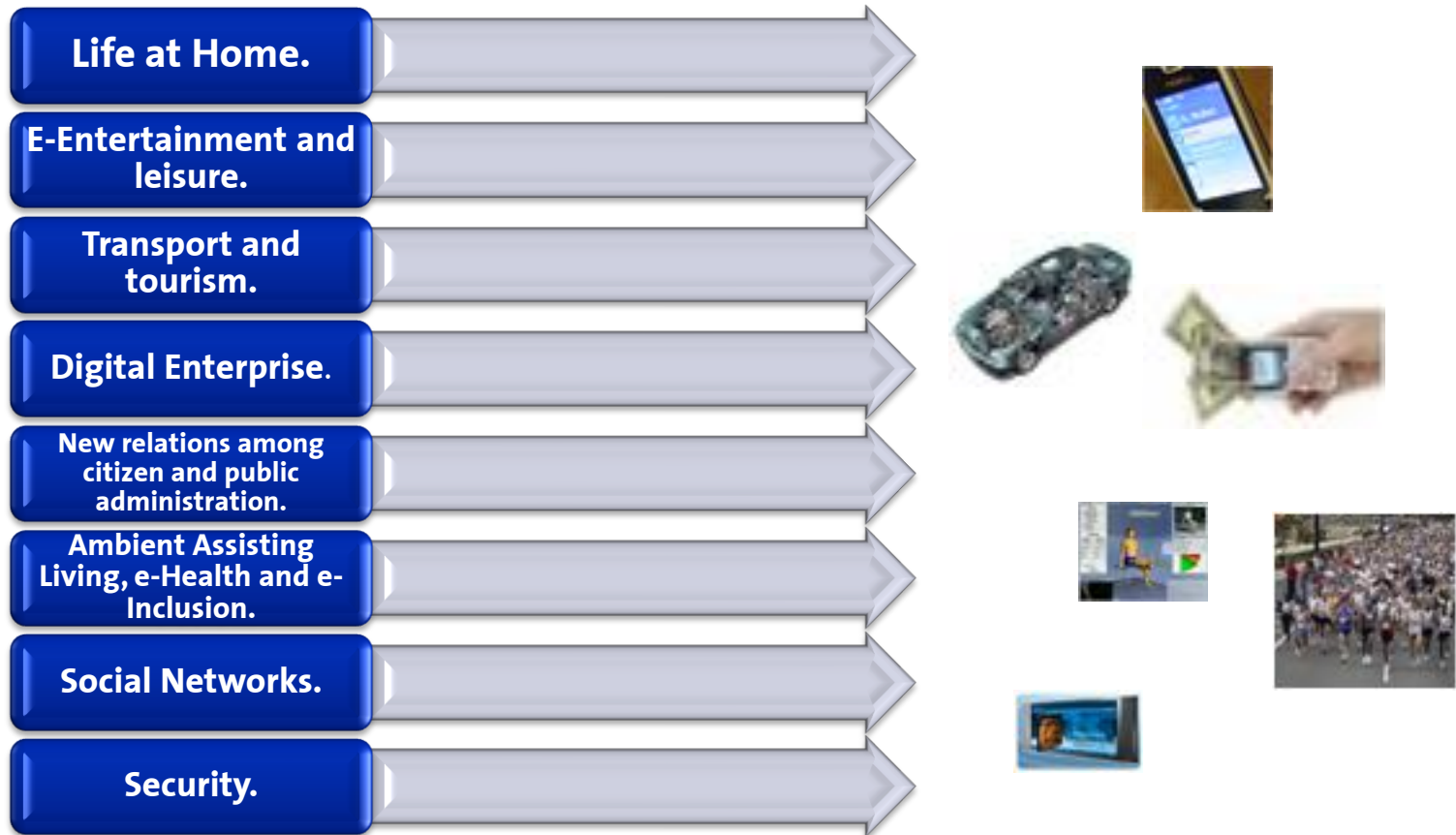
- Open applications from several providers
- Any time anywhere communications
- Ubiquitous and ambient intelligence
- Interoperability

## Issues and challenges

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



The 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



## Internet of users

- User profiling
- Context and user awareness
- UGC
- User experience
- Accessibility
- Virtual society

## Content

- New content
- 3D coding
- Augmented reality
- Search engines
- Recommendation
- New P2p services

## Network

- Advanced radio interfaces
- Advanced connectivity
- New service platforms
- Re configurability
- Energy friendly networks
- Scalability
- Satellite component

## Internet of things

- Wireless object networks
- Smart spaces
- Ambient intelligence

## Services

Service delivery  
platforms  
Next generation  
SOA  
Semantics  
Cloud  
computing  
Autonomic  
computing

## Cross domain

Trust security  
Resilience and  
trustability  
SW quality  
Business models  
Green  
computing  
DRM  
Governance

# The future of internet requires many technologies

