

# IST 1<sup>st</sup> Call project ePerSpace – Towards the era of personal services at home and everywhere

Adam Kapovits  
Eurescom, Germany

# ePerSpace objectives

## 4 main focus areas/goals:

1. The Home Platform providing the means to exchange audiovisual content between user terminals and home equipment
2. Global Network Integration and Interoperability offering innovative seamless access by sharing user profiles in a secure manner
3. Home and Personal Devices building unified personal environment
4. Rich Media Object Management supplying the tools for content creators

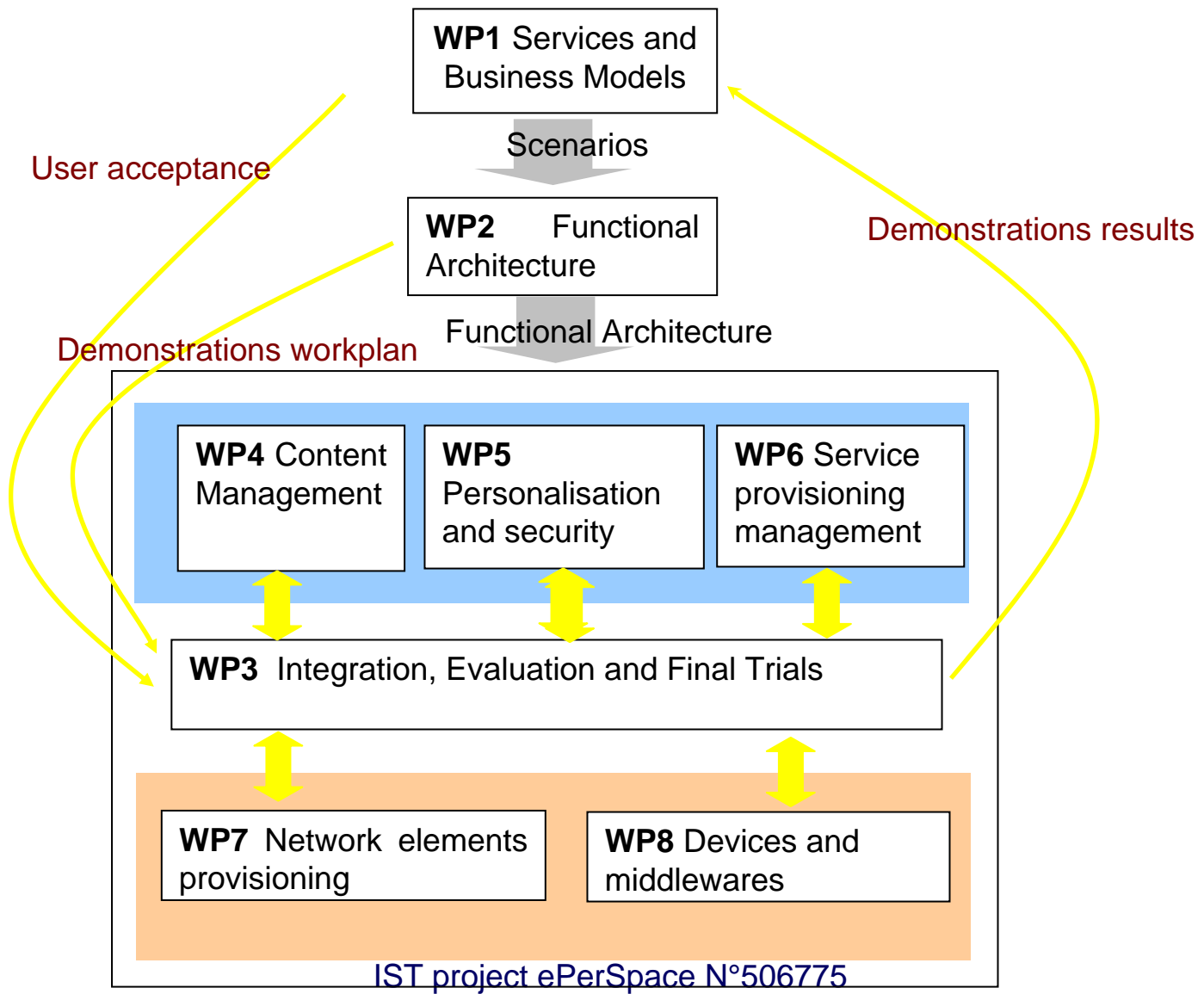
# Standardisation activities relevant for the ePerSpace objectives

- ETSI/Cenelec SmartHouse
- ETSI [NGN@Home](#)
- Home Gateway Initiative
- Digital Living Network Alliance
- 3GPP (3<sup>rd</sup> Generation Partnership Project)
- World Wide Web Consortium (W3C)
- Open Services Gateway Initiative (OSGI)
- Moving Pictures Expert Group (MPEG)
- Open Mobile Alliance (OMA)
- Parlay/Open Services Architecture
- Digital Video Broadcasting Multimedia Home Platform (DVB-MHP)

# Status of the standardisation activity in ePerSpace

- First, the standardisation groups and activities relevant for the project objectives were identified
- Second, the project internal activities were mapped to the identified standards, and potential contribution areas were identified
- Appointment of liaison persons is in progress
- The first release of the Deliverable with a standardisation action plan is just finished

# Structure of ePerSpace





# standards by ePerSpace objectives 1/3

## ➤ Home platform

- ❑ OSGI : possible contribution on home network specification, including interfaces of the home service gateway with the external public network and with distributed home equipments
- ❑ MHP: possible contribution to be defined
- ❑ OSGI : optimisation of OSGI to the multiple access technologies and multiple PAN environment (broadband, wire-line, cellular, wireless)
- ❑ 802.11 : contribution to the support of Quality of service in the technologies that will distribute services in the Home Network
- ❑ Digital Living Network Alliance(DLNA) : work with this alliance to help integration of different technologies



# standards by ePerSpace objectives 2/3

## ➤ Global interoperability & personalisation

- ❑ OSA/Parlay X: possible contribution to Presence Service, Network capability retrieval capabilities
- ❑ OMA (Wireless Village): possible contribution to the working groups in the domain of personalisation and security
- ❑ 3GPP GUP : possible contribution on authentication, authorisation, privacy and access control. Generic personalisation profile including Network, Service provisioning and Terminal capability retrieval capabilities (GUP, Service requirements; Stage 1 , Architecture (Stage 2), Stage 2; Data description method, Stage 3; Access; Common objects)
- ❑ W3C: possible contribution and reuse of elements from user profile definitions on Composite Capabilities Preference Profiles (CC/PP) /RDF.



## standards by ePerSpace objectives 3/3

## ➤ Device communities

- ❑ OSGI: possible contribution on device profile
- ❑ UPnP: will be used for creating the device communities. Possible contributions

## ➤ Rich media object management

- ❑ MPEG: possible contribution in the development of a user description profile
- ❑ MPEG WP6Q (ITU-R) dealing with overall video and audio services quality measurement: contribution on future standard in the area of "user experience"

# Further information

- [www.ist-eperspace.org](http://www.ist-eperspace.org)
- A number of public deliverables are already available and downloadable