Integrated Project “Daidalos”

Designing Advanced network Interfaces for the Delivery and Administration of Location independent, Optimised personal Services

EC FP6 - 506997
“Mobile and Wireless Systems Beyond 3G”

Concertation Meeting

Brussels, Sept. 16th, 2003

Daidalos – Vision

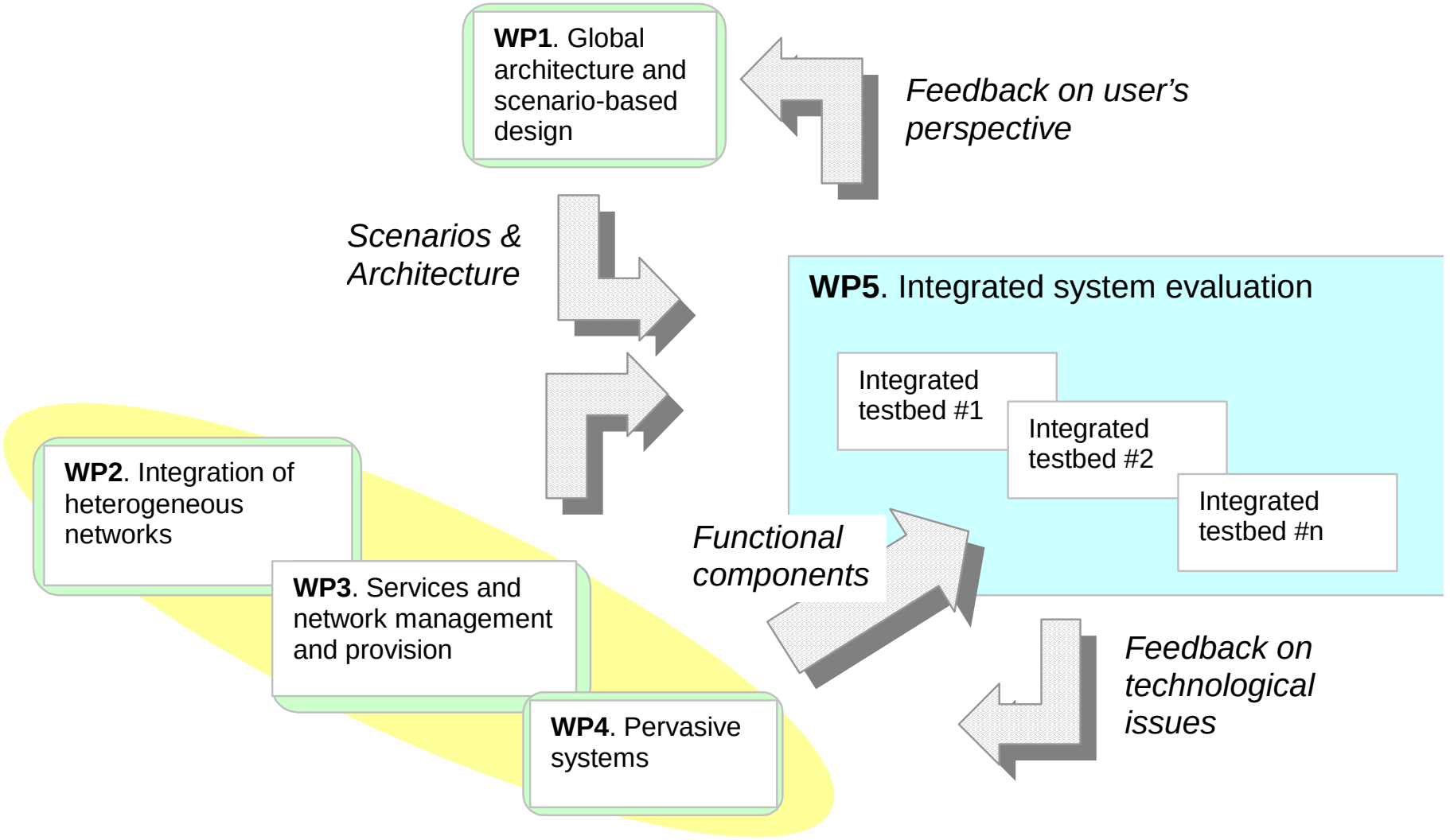
The vision of Daidalos is of a world in which:

- Mobile users can enjoy a diverse range of personalized services – seamlessly **supported by the underlying technology** and transparently provided through a pervasive interface
- Mobility has been fully established through open, scalable and seamless integration of a complementary range of **heterogeneous network technologies**.
- **Network and service operators** are able to develop new business activities and provide profitable services in such an integrated mobile world.

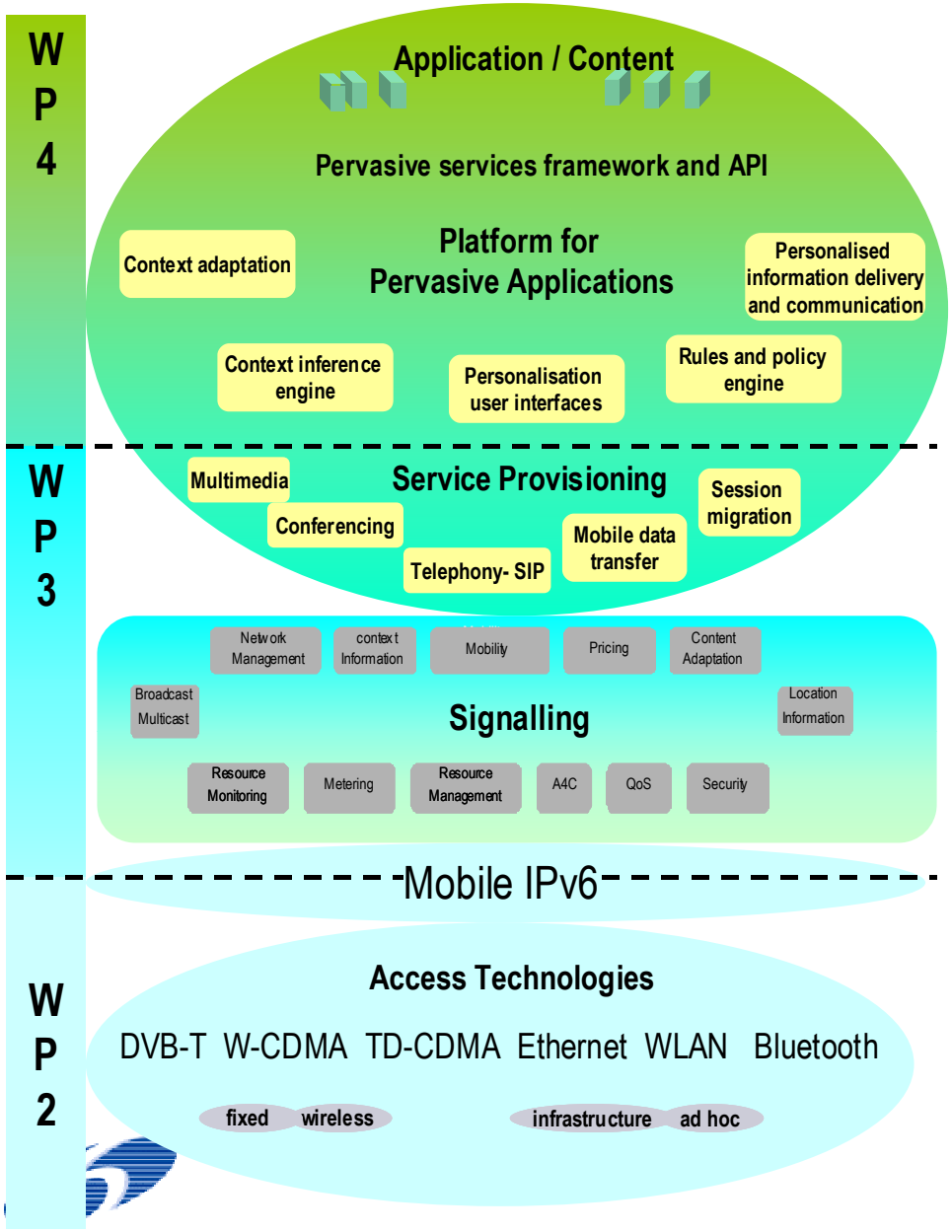
Daidalos – Objectives

- Develop and demonstrate an **open architecture based on a common network protocol (IPv6)**, that becomes a significant step towards approaching the Daidalos vision.
- Design, prototype and validate the necessary infrastructure and components for **efficient distribution of services over such an architecture**
- Support of the **convergence** of broadcast and mobile networks
- Integrate complementary network technologies to provide **pervasive** and **user-centred** access to these services,
- Develop an optimized **signalling** system for communication and **management support** in these networks,
- Demonstrate the results of the work through strong focus on user-centered and **scenario-based development** of technology.

Relationships between Workpackages



Daidalos - Technology



Description of technological solution

- Including broad range and types of network technologies, such as fixed and mobile, wired and wireless, symmetric and asymmetric, unicast and broadcast, ad-hoc and infrastructure mode networks
- Mobility and layer 3-paging (IP paging), routing and discovery
- QoS measurements, Resource Management functionalities, IP-QoS to Layer 2 mapping, header compression, adaptive packet forwarding
- Personalised user session: Security, Authentication, Authorisation, Accounting, Auditing, and Charging (SA4C)
- Pervasive computing, intelligent context-awareness and extended personalisation
- Consideration of operator requirements

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Thanks for your attention !