



3rd Public Workshop IP Daidalos

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



**June 29, 2005
Brussels, Belgium**



**3rd Public Workshop
IP Daidalos**

**The Daidalos
Automotive Scenario**

**Jürgen Jähnert,
WP1, University of Stuttgart**



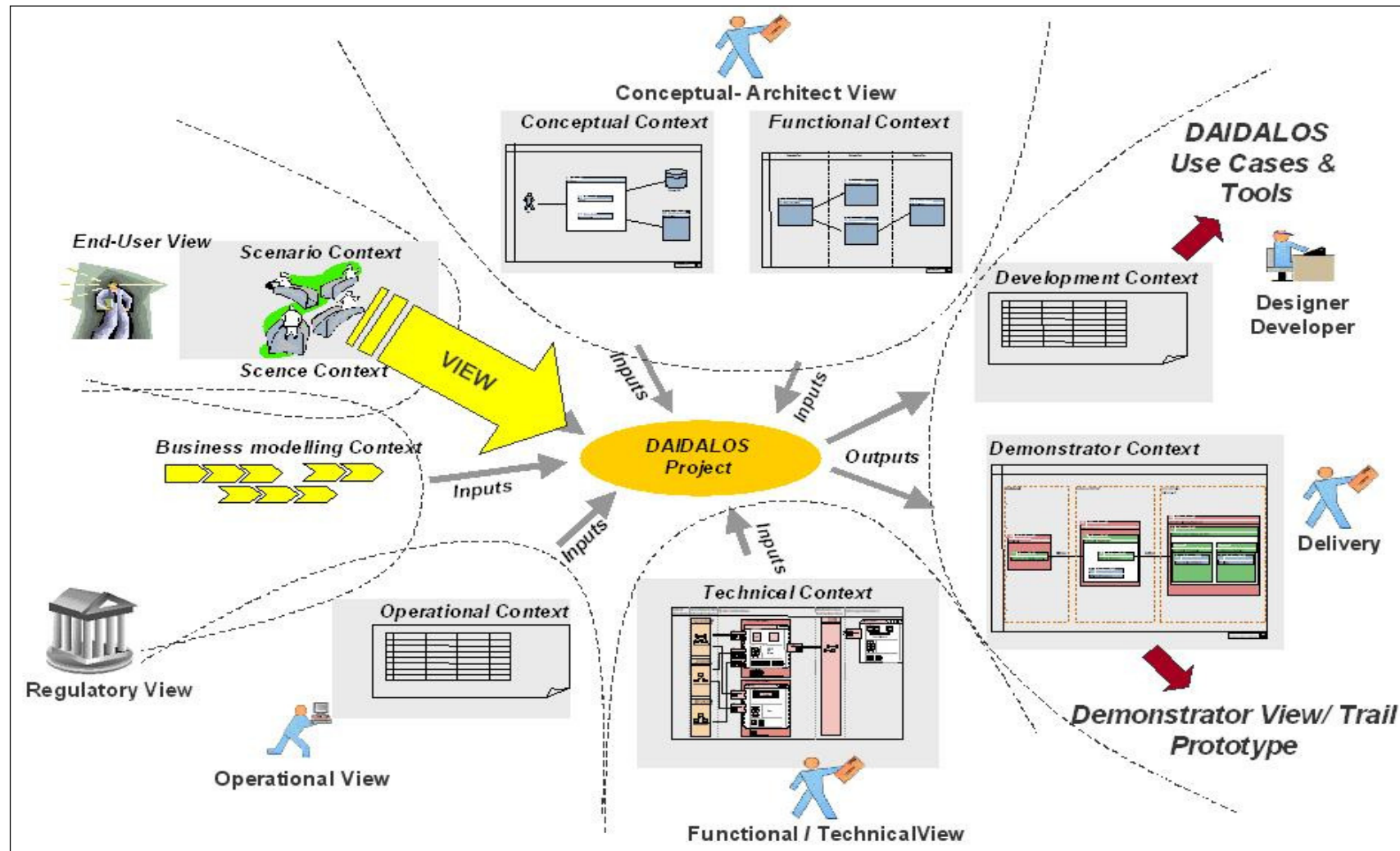
Overview

- ▶ Scenario based Design
- ▶ Daidalos Automotive Scenario
- ▶ Methodology and Drill Down
- ▶ Selected highlights and technical focus points
- ▶ Transition towards Daidalos 2





Looking towards Daidalos from ...



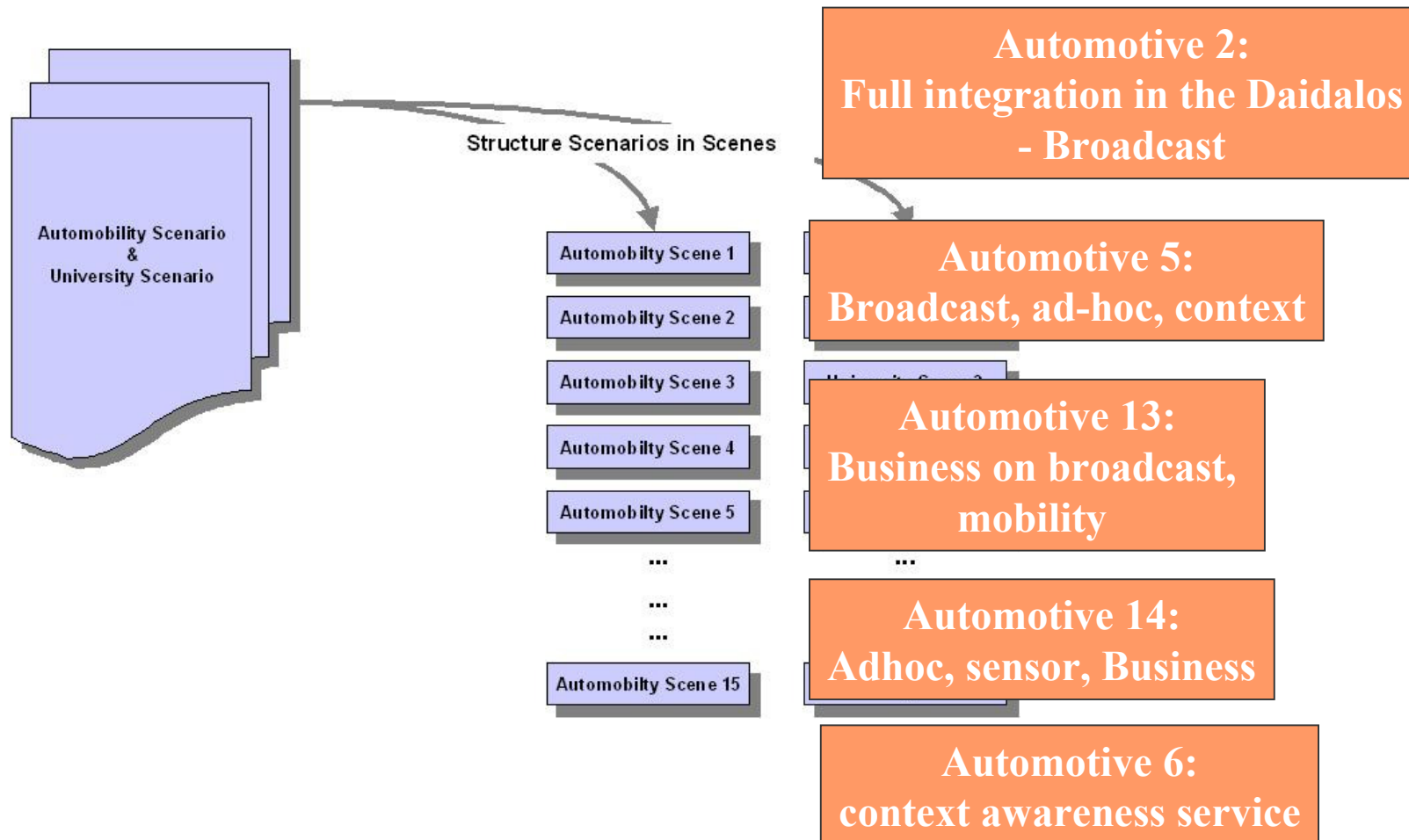


Why scenarios in Daidalos

- ▶ Provide the (needed) user centric view – i.e. fill the Daidalos Key Principles with real life
- ▶ Communicate Daidalos concepts to the related communities – from ‘politicians’ to developers
- ▶ Support a/the top-down approach in Daidalos (keep in mind – every project with strong re-use of existing components has a priori a bottom-up flavor – making integration, verification, validation difficult)
- ▶ Allow (as far as possible) for a Model Driven Architecture, Feature Driven, Test Driven development processes
- ▶ Support of Integration



Key scenes Special Focus



FILM



Daidalos Automobile Scenario

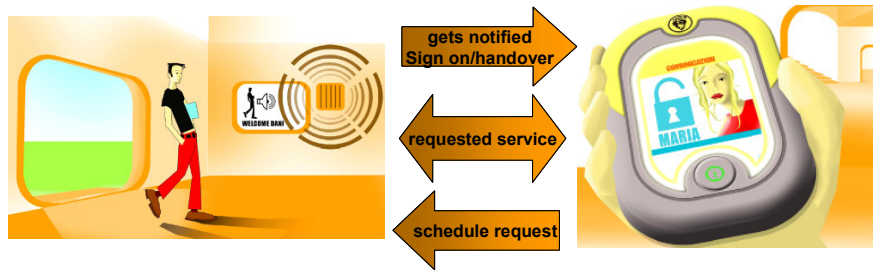


- ▶ Session mobility between terminals – home – outdoor – vehicles (802.3, 802.11, DVB-T, 802.16e conceptually)
- ▶ Access to personal information and services inside and outside the vehicle (OSGi Bundle for personalization)
- ▶ Locating and detecting presence (simulated location sensors interfacing with CM)
- ▶ Service and content adaptation based on QoS (CANs reserving QoS based on IETF DiffServ)
- ▶ Sensor networks for road and hazard warnings (CDA)
- ▶ Broadcast services for entertainment, C2C safety, and C2I regional traffic information services (Broadcast DVB-T /Multicast on any technology)

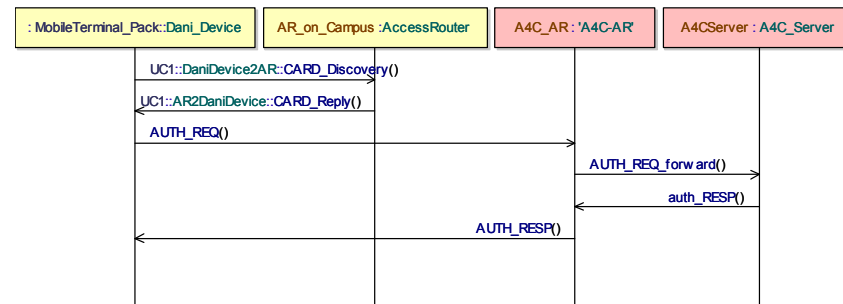
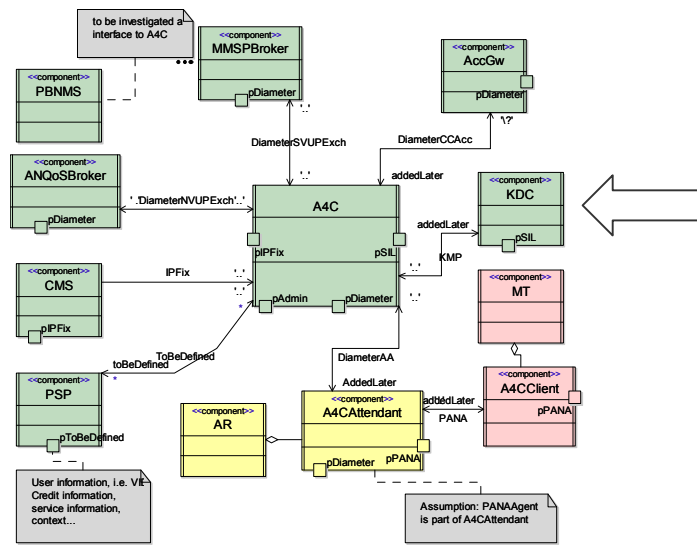
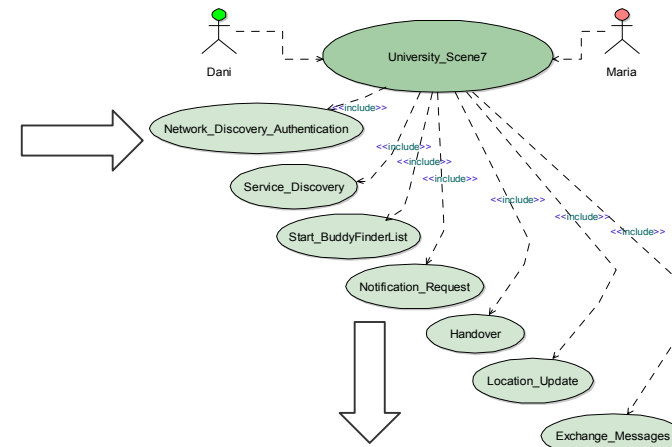




From scenarios to use cases and ...



Scene 7: Before he gets to the meeting room Dani gets a notification saying "Maria arrived at Campus", as he has requested for. He invites her to meet, she quickly agrees to meet her friend Dani in one of the campus cantinas at lunchtime.





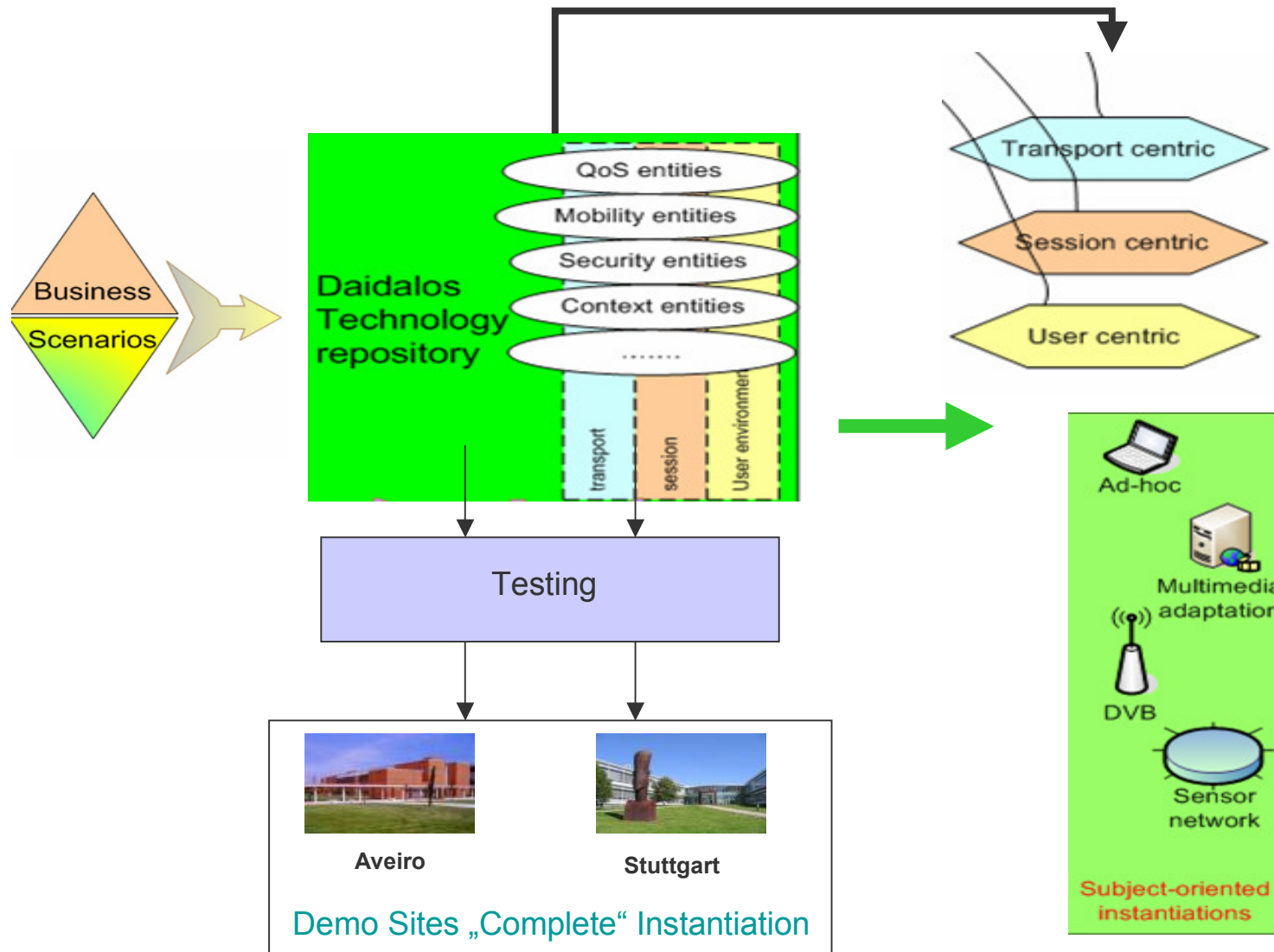
Intermediate Summary

- ▶ Scenario based Design was working
- ▶ Daidalos Scenarios have been guiding the overall process
- ▶ Methodology and Drill Down
- ▶ Transition towards Daidalos 2:
 - Early testing (Model)
 - → high level black box testing
 - More structured requirement analysis with direct reference to TA
 - Physical modelling of scenes
 - Early business integration



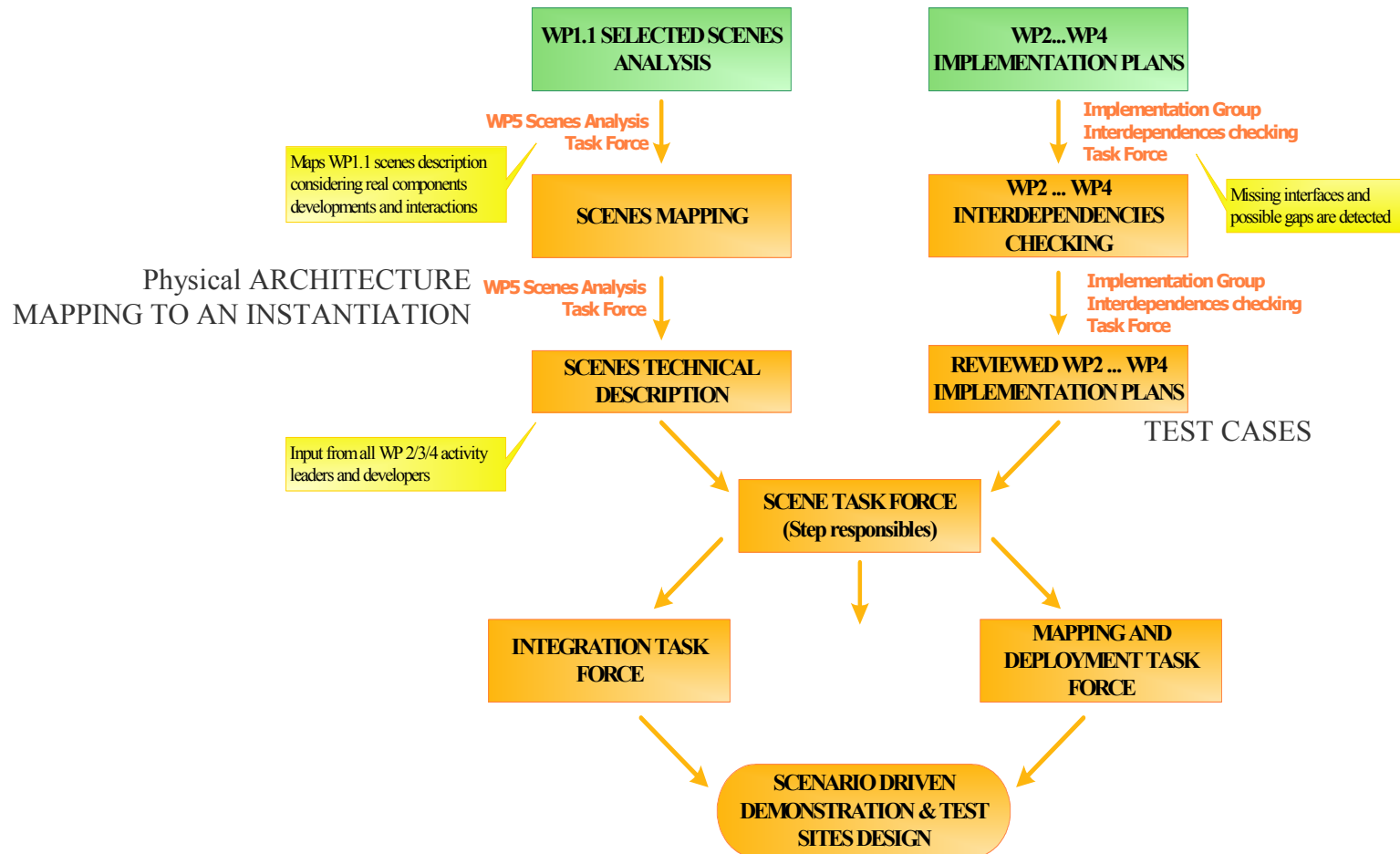


Daidalos II Overall Process

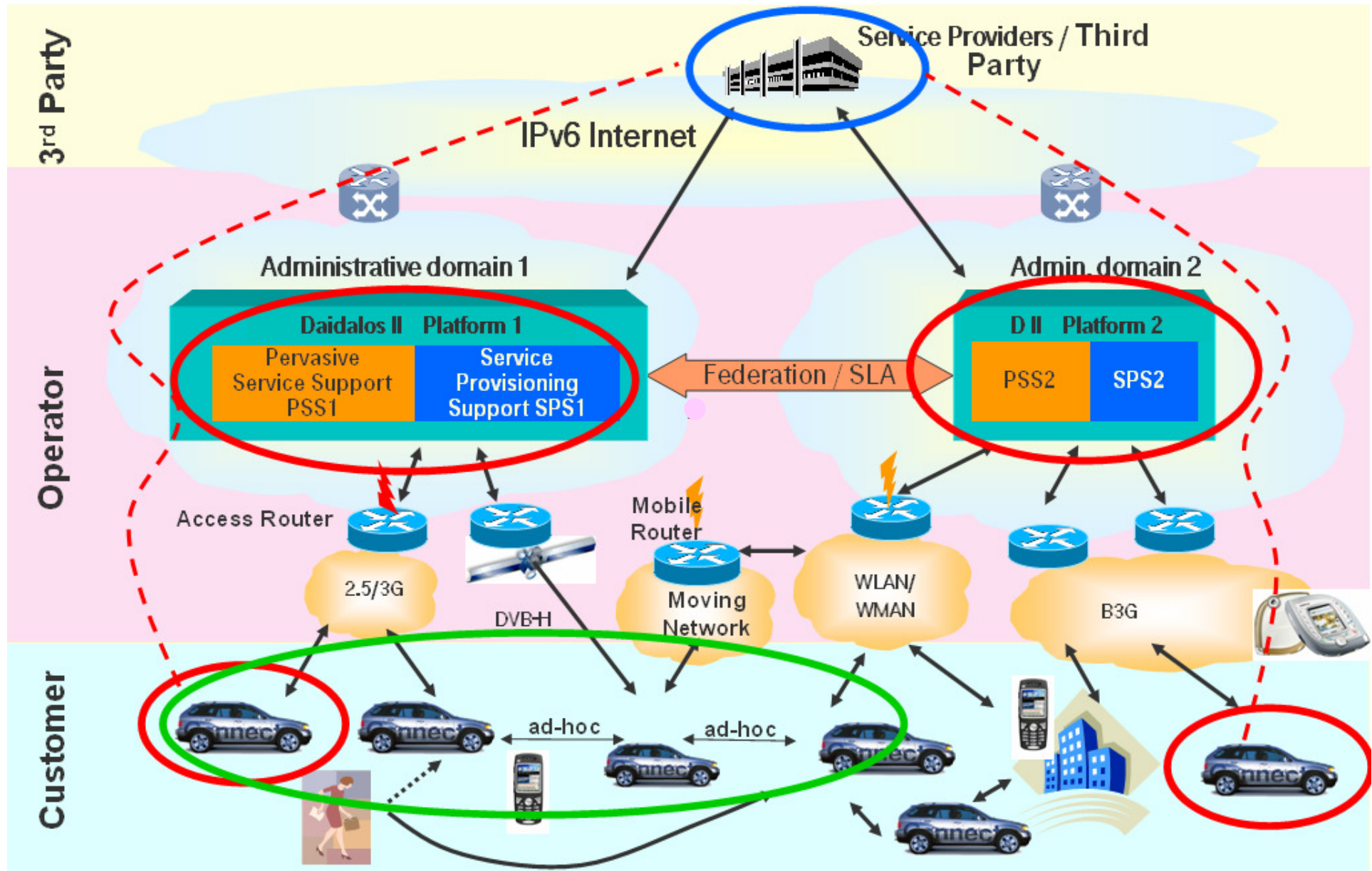




The integration process in Daidalos

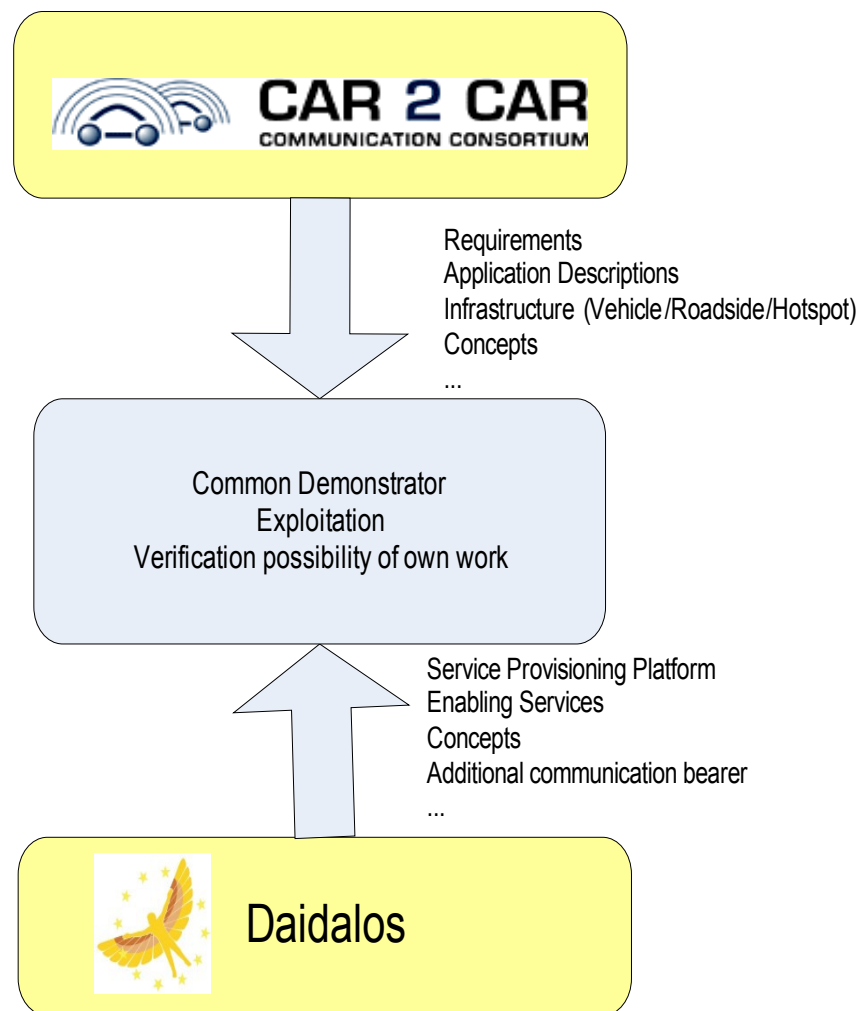


Daidalos / C2C / Application/Service?





Proposed Demonstrator Approach





**3rd Public Workshop
IP Daidalos**

...end of presentation.

Thank you for your attention!