



WP7: SPD Applications

Kick-off October 2011

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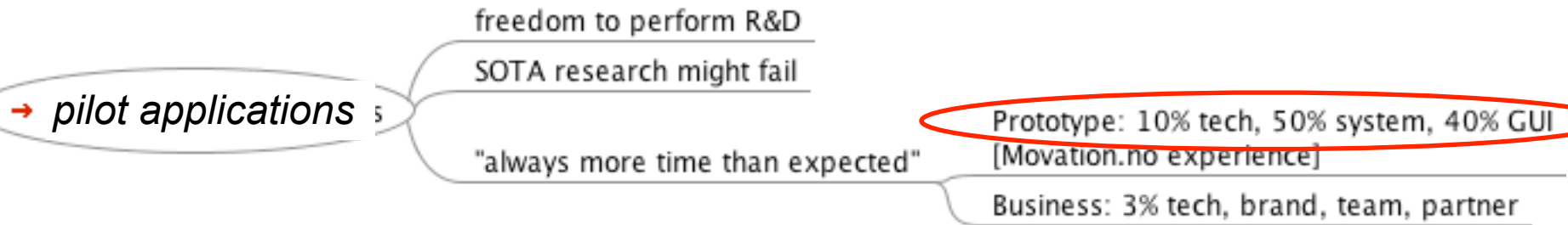


Objective of WP7

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- Validate nSHIELD platform on real application demonstrators, including
 - Railway security
 - Voice/Facial recognition
 - Integrated Modular Avionic (IMA) platform
 - Social mobility, Smart phone integration, Eco-design on future infrastructure
- Proof of concept for a wide range of applications
- Heterogeneous infrastructures with diverging objectives
- **Common:** SPD enhanced functionalities integrating business and social worlds.

WP7 emphasizes demonstration of application to validate the pSHIELD framework



- ranging from railway to Internet of Things infrastructure

Partners in WP7

- T7.1 (Lead partner **ASTS** Partner AT ED HAI ISD Movation S-LAB TELC THYIA TUC)
 - T7.2 (Lead partner **ETH** Partner TECNALIA ISD S-LAB SESM TUC **UNIGE**)
 - T7.3 (Lead partner **SG** Partner ED HAI S-LAB SESM TUC **UNIGE**)
 - T7.4 (Lead partner **THYIA** Partner ED ESIS HAI ISD Movation NOOM S-LAB TELC TUC)
- Railway
 - Voice/Facial recognition
 - Avionic (IMA) platform
 - Social - IoT apps

- 3 sets of deliverables: Plan (x1...4), Integration (x5...8), Validation (x9...12)

☐	☐ Title	☐ Due month	☐ Lead partner	☐ Dissemination level
D7.1	Railways security demonstrator - integration and validation plan	M22	ASTS	Restricted
D7.10	Voice/Facial Recognition demonstrator - Validation and Verification	M36	ETH	Public
D7.11	Dependable Avionic System demonstrator - Validation and Verification	M36	SG	Public
D7.12	Social Mobility and Networking demonstrator - Validation and Verification	M36	THYIA	Public
D7.2	Voice/Facial Recognition demonstrator - integration and validation plan	M22	ETH	Restricted
D7.3	Dependable Avionic System demonstrator - integration and validation plan	M22	SG	Restricted
D7.4	Social Mobility and Networking demonstrator - integration and validation plan	M22	THYIA	Restricted
D7.5	Railways Security - integration	M34	ASTS	Public
D7.6	Railways Security - integration	M34	ETH	Public
D7.7	Dependable Avionic System demonstrator - integration report	M34	SG	Public
D7.8	RSocial Mobility and Networking demonstrator	M34	THYIA	Public
D7.9	Railways Security - Validation and Verification	M36	ASTS	Public

**WP7 emphasizes
SPD applications**

**The scope is to validate the nSHIELD
platform on real application demonstrators**

Achieved applications to validate

- reliability
- availability
- safety
- confidentiality
- integrity
- maintainability

Addressing business and personal preferences

- contextual trust-networks
- goal optimization & composability:
context/situation, preferences

D7.9, D7.10, D7.11, D7.12

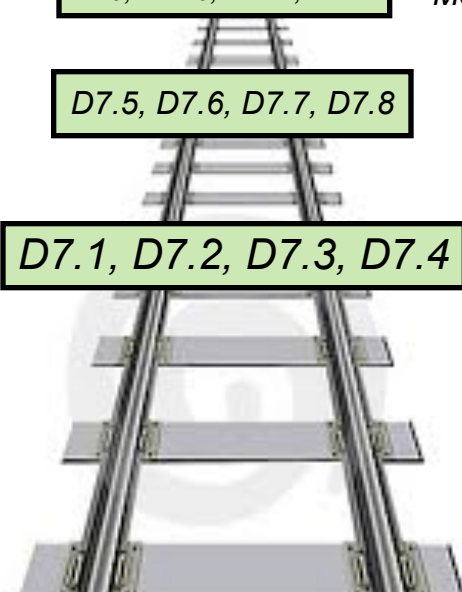
M36 - validation

D7.5, D7.6, D7.7, D7.8

M34 - integration

D7.1, D7.2, D7.3, D7.4

M22 - plan

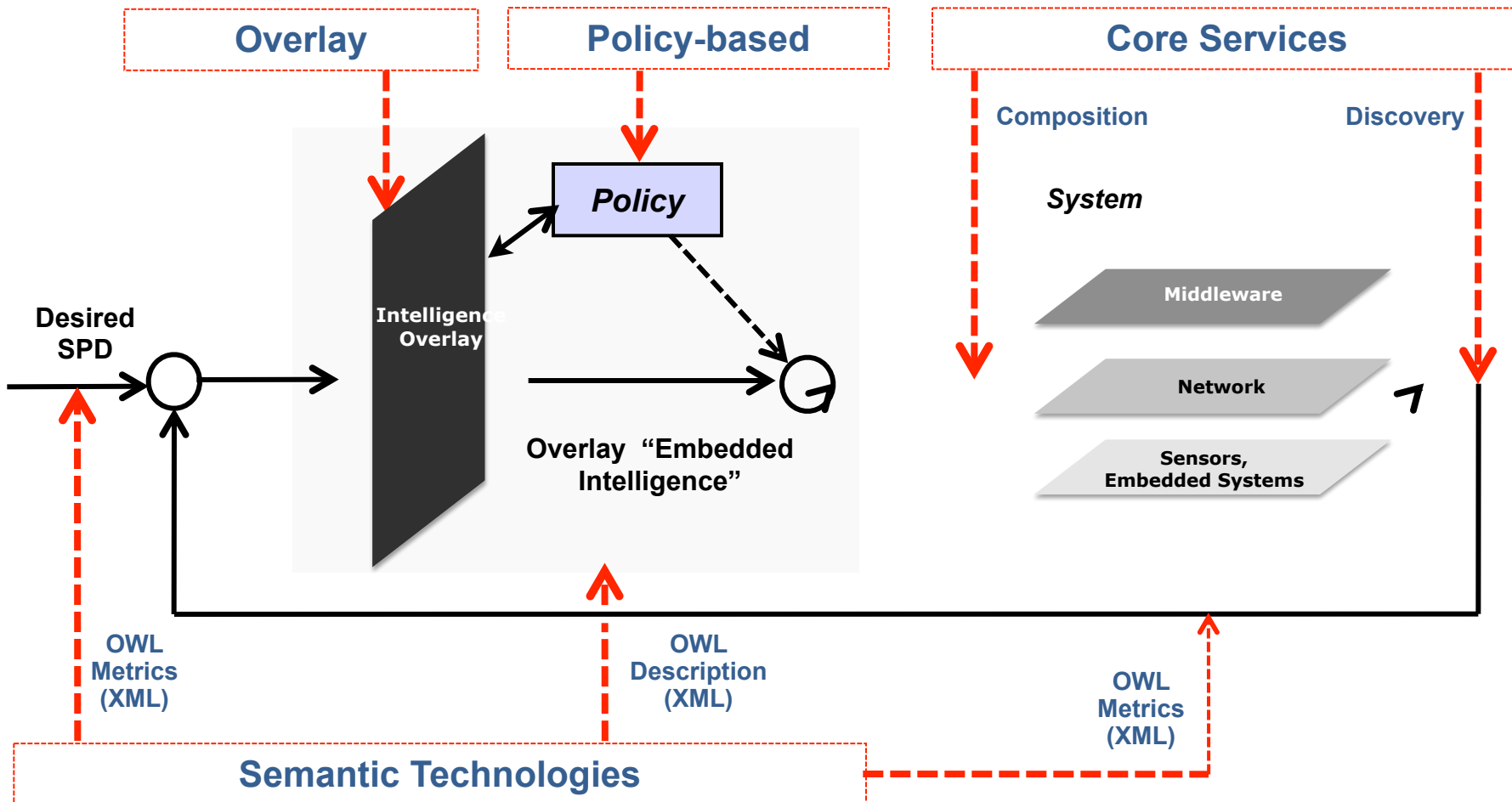


Additional slides

Semantic Representation

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In order to realize the pSHIELD key concepts, the tasks are mapped and justified in this way:



Pilot application: SPD in heterogeneous systems

- Nano-Micro-Personal-M2M Platform
 - identity, cryptography, dependability
- SPD levels through overlay functionality
 - answering threat level
 - composing services
- Policy-based management and hybrid-automata model
- Integration into Telecom Platform

