

Platform for Personalised User Services



PLATyPUS

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INTEGRATED PROJECT

Participants:

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3	Alcatel-CIT	ALC
4	Eurescom	EUR
5	Fraunhofer Fokus	FHG
6	Infovide	INF
7	Intracom	INT
8	ITEL	ITL
9	Instituto Superior Técnico	IST
10	Philips Electronics	PHI
11	Portugal Telecom Inovação	PTI
12	Public Voice Lab	PVL
13	Research and Education Society in Information Technologies (RESIT)	RES
14	Siemens Mobile Communications	SIE
15	Sun Microsystems	SUN
16	T-Systems RIC Research	RIC
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Proposal summary page

Proposal full title

Platform for Personalised User Services

Proposal acronym

PLATyPUS

Strategic objectives addressed

2.3.2.3 Open development Platforms for software and services

Proposal abstract

The overall vision of PLATyPUS is to bridge advances in networking, communication and information technology services towards a unique service environment where personalized services will be dynamically created and provisioned regardless of ambiance and location. This dynamic service creation and provisioning will be based on the loose coupling of a large number of distributed services that will be integrated towards fulfilling end users service requests for personalized services. PLATyPUS will provide the runtime environment for operating such services, a development environment where services can be built, as well as application clients ensuring access to offered services. PLATyPUS will also provide for an important number of non-functional features like scalability, reliability and fault tolerance. A key element for ensuring the fast uptake and maintenance of the PLATyPUS results will be the adoption of Open Source principles.

To fulfil the PLATyPUS vision, the following work is planned:

- New models (both technical and business) specifying how services for multiple ambiances will be coupled, integrated, assembled and ultimately offered by various service providers.
- A new communication platform that can support highly personalized services, while adapting to different networks (e.g. IP, wireless) and applications.
- A new application server extending the capabilities of current application containers.
- An environment for rapid and cost effective building of services using the new platform and server.
- Implementation of interfaces between the communication infrastructure, the application server and the service development platform.
- Innovative application clients for accessing the functionality of new services in multiple environments.

The PLATyPUS ambition is to fully achieve its vision within five years. The two-year timeframe of this proposal is envisaged sufficient for demonstrating tangible results on a full-fledged service platform.