

PERSONAL SPACES

SOFIA personal spaces concept

One of the guiding principles for a user value in a smart environment is that she can seamlessly access the best available services and resources in the changing environment she currently resides in.

In order to reach this goal, Personal Spaces work package (WPI) builds its work on key scenarios on two underlying platforms: mobile device and automobile.



The resulting implementations demonstrate the SOFIA benefit of multiple active loosely coupled use cases on platforms with different market cycle lengths.

As platform components we provide Smart-M3 based implementations which make information of the underlying platforms available to the Personal Space and provide semantic level services so that several use cases can be operating on the same time. These implementations operate both on information level as well as on the level of existing legacy services on the platforms.

For key scenarios we have derived a set of use cases, which we are demonstrating. New use case implementations can later be added to

the scenarios, providing additional value. We also expect what we are able to mix use cases between scenarios within WPI as well as other work packages.

Our scenarios are:

- "Media follows user scenario", with the following use cases:
 - "Follow me music"
 - "Speak out message"
- "Smart Navigation scenario", with the following use cases:
 - "Basic navigation"
 - "Voice command location tagging"
 - "Voice command location querying"

DISSEMINATION ACTIVITIES WITHIN SOFIA

The SOFIA consortium acknowledges the importance of dissemination and exploitation of the project results and is placing a high priority focus on publicity and technology transfers.

SOFIA is having a consistent visibility in media as well as academic and scientific forums from the early stages of the project. Workshops and seminars are constantly held in association with major conferences.

Ten months after the project was launched, SOFIA was presented to the European Commission Members at the **ARTEMIS & ITEA Co-SUMMIT 2009**. In this occasion, **SOFIA received the Artemis exhibition Award** assigned by the public after a live demonstration of an Interoperable Smart Application "concept" (Madrid, Artemis Autumn Event, October 29 2009).

SOFIA is continuously producing press releases, articles, demos, scientific papers ... under the coordination of work package seven (WP7).

SOFIA MAIN EVENTS

- First International Workshop on Semantic Interoperability for Smart Spaces (SISS 2010), in association with the IEEE Symposium on Computers and Communications (ISCC 2010), Riccione, Italy (22.06.2010)
- Eighth International Conference on Pervasive Computing, Helsinki, Finland (20.05.2010)
- ARTEMIS & ITEA CO-SUMMIT AUTUMN event, Madrid, Spain (30.10.2009)
- Smart-M3 open source launch in sourceforge, <http://sourceforge.net/projects/smart-m3/> (01.10.2009)
- NoTA Conference, San Jose, USA (30.09.2009)
- Project co-operations (2009-2010):
 - DIEM, Finnish co-operation.
 - OPUTE, Japanese co-operation.
 - POBICOS, HYDRA, SMEPP, Evolve, CAM4Home, Osami Commons, (EU and ITEA2 projects related to quality, interoperability and semantics modeling).

SOFIA Large Pilots Coming Soon!

Large scale pilots are currently being organised in various European locations in order to demonstrate the wide range of SOFIA platform capabilities.

Contact Information

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Smart Objects for Intelligent Applications

2009 Artemis Awarded Project
www.sofia-project.eu

SOFIA is a three-year ARTEMIS project involving nineteen partners from four EU different countries. This research project seeks to make physical world "information" available for smart services - connecting physical world with information world. The common target is to enable and maintain cross-industry interoperability, to foster innovation while maintaining value of existing legacy, and to create new user interaction and interface concepts to enable users to benefit from smart environments.

The structure of the project consists of:

- Three vertical work packages (WPI-3) representing three different kind of applications areas with a complete set of solutions to demonstrate and pilot smart environment applications and services in contexts of personal smart space, smart housing and smart city.
- Three horizontal work packages (WP4-6) representing the key technical solutions needed to create common base for user interaction in smart environments, systems architecture and application development.

• A work package (WP7) creating the large scale pilot demonstrating all aspects related to the three application areas and the three technical domains. Last work package (WP8) concerns the management of the project.

The SOFIA project key outcomes relate to user interaction paradigms for interacting within smart environments, the common interpretability solution among many heterogeneous devices and embedded systems, and development schemes that are able to mobilise new developers for smart environments.

Partners



