

This is the first SOFIA Newsletter. In this newsletter you will find a global view of the project's large scale pilots and the SOFIA Community.

❖ Abstract

The SOFIA project is building new innovative applications and services for every-day working and living environments by making "physical world information" easily available for smart services - connecting the physical world with the information world.

SOFIA is a three-year ARTEMIS project involving eighteen partners from four EU countries. 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 (WP1-3) representing three different kinds of application areas with a complete set of solutions to demonstrate and pilot smart environment applications and services in the contexts of **smart city, smart indoor spaces and personal spaces**.



The horizontal work packages (WP4-6) are responsible for providing key technical solutions to create a common base for user interaction **in smart environments, systems architecture and application development**. A large scale pilot will be used to demonstrate all aspects of the three application areas and the three technical domains.

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

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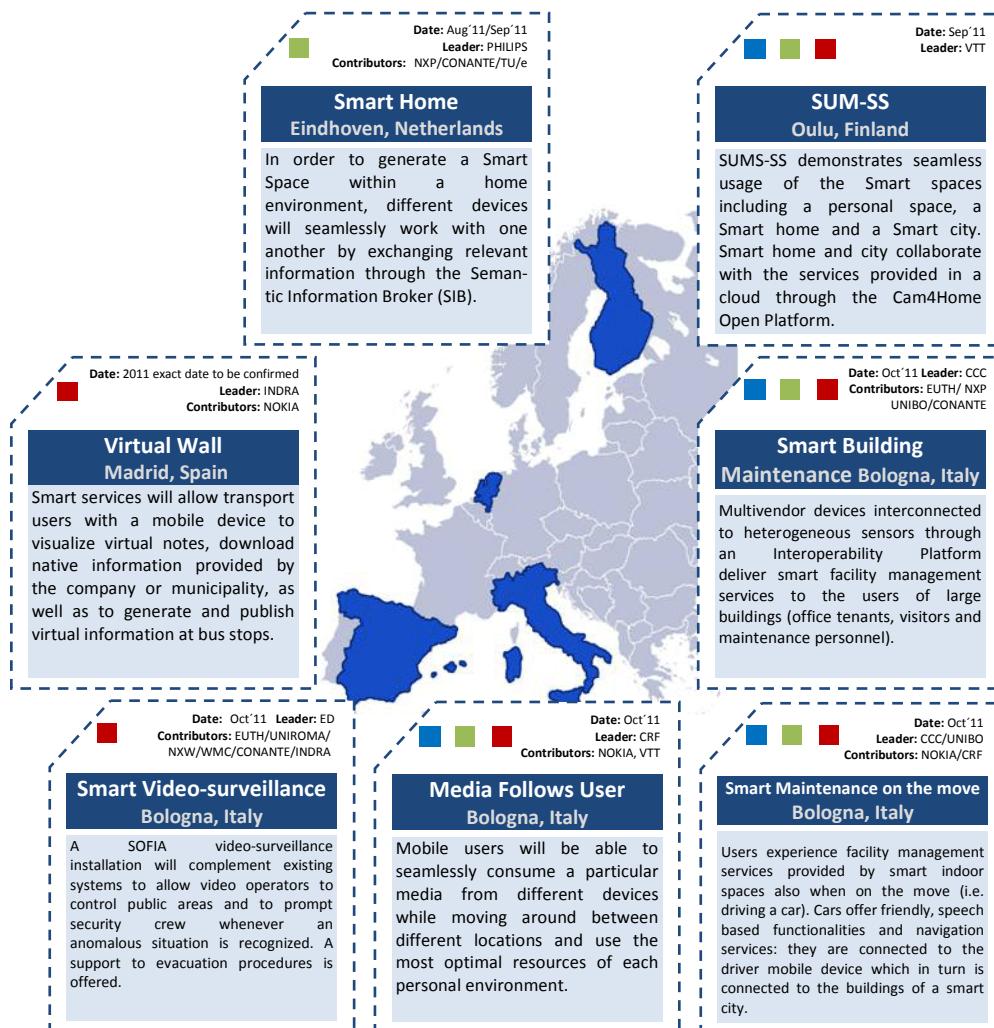
Acknowledgements:

SOFIA R&D project (I00017) is partially financed by ARTEMIS Joint Undertaking, the Finnish Funding Agency for Technology and Innovation (TEKES), the Spanish Ministry of Industry, Tourism and Trade (MITYC), the Ministry of Economic Affairs of the Netherlands (Agentschap NL) and the Italian Ministry of Education, University and Research (MIUR).

❖ SOFIA Pilots

The SOFIA set of pilots integrates and demonstrates project results in practice with live activities, across four different locations in Europe: Madrid (Spain), Oulu (Finland), Bologna (Italy) and Eindhoven (The Netherlands).

These pilots show the complete set of SOFIA solutions around smart environment applications and services in the contexts of Smart City, Smart Indoor Spaces and Personal Spaces.



DOMAINS

- Smart City
- Smart Indoor Spaces
- Personal Spaces

❖ **SOFIA Community: Do you want to help developing a better world?**





Imagine a smarter world where any device could share information with other devices autonomously, where humans interact with any device naturally. Imagine the incredible possibilities that emerge from these interactions. In the SOFIA community we try to make this dream come true, pushing the technology to its limits to create an interconnected world.





The **SOFIA Community** offers the opportunity to participate in the Developer Community of the SOFIA project platform and aims to mobilize developers from various domains beyond the project. It is planned that the common application development framework will be used by all application domains in the project, and proven to be scalable and flexible for any domain.

SOFIA is seeking for a Community to endure after the project is finished, willing to build on the project findings. Therefore, the following characteristics are vital for the future of this Community:

Open Source

 We do not want to wall up the technology. All the results coming from this community are open source. Collaborate, and help us improving our results.

Multi-Language

 We are developing in several programming languages: C, C++, C#, J2SE, J2ME for several platforms. We would like to have an implementation of SOFIA for each one.

Multi-Domain

 The aim of the project is to be useful for any domain, so if your domain is not already included, propose new ones. The more, the merrier.

Communication Agnostic

 Whether your device communicates by Bluetooth, ZigBee, tcp/ip, etc, it is not an issue. The project is flexible to include new ones as plugins.

Multi-Platform

 Are you programming for Windows, Linux, Android, iOS, TinyOS? Probably your platform is already targeted in the project. If not, please collaborate to include yours.

Smart Engineering/tooling

 One of our goals is to develop better and faster. We are developing a SDK with several tools which help you reduce the time-to-market dramatically.

The SOFIA platform is interoperable among different applications through common semantic concepts, developed by **top-level companies, research centers and EU universities**. The Community offers SOFIA **outcomes and smart open source applications** for developers as well as for end-users.



Reference point: The SOFIA software development community to be generated around this portal will be a proved leading example, not only for the embedded systems development sector but also for the general purpose.

The SOFIA Community includes all the facilities to **communicate, generate** and finally, **evolve by itself!**

To find out more, please join us by visiting: <http://sofia-community.org>

News & Events

SOFIA latest awards: ARTEMIS & ITEA2 Co-summit Exhibition & OTANIEMI OPEN 2011



ARTEMIS & SOFIA project representatives celebrating the SOFIA Award

ITEA2, at the Belgian city of Ghent on the 26th October 2010.

SOFIA has participated in this edition, presenting the project goals and progress to all attendees as well as multiple demos. After counting the votes, the ARTEMIS exhibition award for the best ARTEMIS-JU project was won, like in 2009, by SOFIA.

SOFIA won also the second prize with "Smart Maintenance on the Move" demonstration presented by University of Bologna, Nokia Research Center and Centro Ricerche Fiat within the OTANIEMI OPEN 2011.

This newsletter informs the members of the SOFIA project and the general public about the progress of the project.



SOFIA Publications

Available at: http://www.sofia-project.eu/for_public/publications



SOFIA Facebook

Available at: <http://www.facebook.com/sofiaproject.eu>

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Any questions or suggestions
Please contact us!

SOFIA was @

Eclipse Embedded Day Vizcaya, Spain (09.11.2010) http://www.esi.es/eclipseembeddedday/	ARTEMIS SPRING EVENT & Nuremberg, Germany (1.3.2011) http://www.artemis-association.org/se2011_home
8th FRUCT CONFERENCE Lappeenranta, Finland (12.11.2010) http://www.fruct.org/program8	EMBEDDED WORLD 2011 Nuremberg, Germany (1.3.2011) http://www.embedded-world.de/de/default.aspx
FTF (FUTURE TRENDS FORUM) on Internet of Everything Madrid, Spain (1.12.2010) http://www.fundacionbankinter.org/en	OTANIEMI OPEN 2011 Otaniemi, Finland (13.04.2011) http://eit.ictlabs.eu/otaniemiopen/
ECOMONDO 2010 Rimini, Italy (03.11.2010) http://en.ecomondo.com/	GPC 2011/ \$3E Workshop Oulu, Finland during (11-13.5.2011) http://www.cse.oulu.fi/GPC2011

Coming Soon

- 8th ITS European Congress 2011 (Stand: E140)**
Lyon, France (6-9.6.2011)
<http://2011.itsineurope.com/>
- SISS 2011 within SAINT 2011 Conference**
Munich, Germany (20.7.2011)
<http://snowman.nagaokaut.ac.jp/saint/>
- ARTEMIS Technology Conference on Smart Environments**
Bologna, Italy (12-13.9.2011)

