



SOFIA

Smart Objects For Intelligent Applications

EXECUTIVE summary

SOFIA aims to make "information" in the physical world available for smart services in embedded and ubiquitous systems. SOFIA will propose an Open Innovation Platform that allows independent development of applications using the "ubiquitous" data.

RELEVANCE CALL 2008 objectives

SOFIA will create cross-domain connectivity and communication capabilities necessary to realise the seamless interoperability between the Ambient Intelligent Environments.

MARKET innovation

SOFIA will have a fundamental role in creating applications for smart environment by defining a common way to share and access local data. The common and open solutions will enable the introduction of new digital applications, extension of functionality in existing systems and development of cross-domain services for consumer services in cities, houses and private spaces like the car, and for professional users in different areas like in building maintenance or in monitoring of spaces or assets.

TECHNICAL innovation

- > Open Innovation platform (OIP) as a reference platform providing the interoperability levels that enable interaction and data exchange between multivendor devices.
- > Interaction models and embedded devices to support a variety of smart spaces and a variety of users.
- > Move today's device oriented interaction modes to a user goal and result oriented interaction paradigm.
- > Methods, techno-economic structures and toolkits for the deployment of smart environments and for the development of services and applications based on smart environments
- > Scenarios and use cases to demonstrate the capabilities of the OIP and the proposed interaction models and techno-economic structures in personal spaces, indoor spaces and cities.



sofia

PROJECT COORDINATOR	START
Petri Liuha	January 2009
INSTITUTION	DURATION
Nokia Oyj	36 months
EMAIL	TOTAL INVESTMENT
petri.liuha@nokia.com	€36.5 M
WEBSITE	PARTICIPATING ORGANISATIONS
www.sofia-project.eu	19
	NUMBER OF COUNTRIES
	5

THE NETHERLANDS

NIP
financed by Philips

TU/e Technische Universiteit Eindhoven
University of Technology

PHILIPS

WMC

CONANTE
Advanced Interface Solutions

FINLAND

MeshWorks
WIRELESS

NOKIA

VTT

SWITZERLAND

EPFL
ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

SPAIN

acciona
Infraestructuras

indra

ESI European Software Institute
tecnalia

ITALY

CONSORZIO COOPERATIVE COSTRUZIONI

CRF CENTRO RICERCHE FIAT

ELSAG DATAMAT
A Finmeccanica Company

ALMA MATER STUDIUM UNIVERSITÀ DI BOLOGNA

SAPIENZA
UNIVERSITÀ DI ROMA

NEXTWORKS
ENGINEERING FORWARD

EUROTECH
GROUP