SOftware-Defined Access using Low-Energy Subsystems

Fact Sheet

Project Information

SODALES
Grant agreement ID: 318600
Status
Closed project
Start date
1 November 2012
End date
31 October 2015

Funded under
FP7-ICT
Overall budget
€ 2 801 086
EU contribution
€ 1 989 000

Coordinated by
FUNDACIO PRIVADA I2CAT,
INTERNET I INNOVACIO DIGITAL
A CATALUNYA
Spain

Project description

Future Networks

The SOftware-Defined Access using Low-Energy Subsystems (SODALES) project aims to develop a novel wireless access interconnection service that offers transparent transport services for fixed and mobile services. This will be achieved by developing an Active Remote Node (ARN) that will offer switching and multiplexing features together with radio, wavelength conversion and legacy systems compatibly. SODALES will also develop a low-cost multi-technology demarcation point. Edge connections will be Carrier Ethernet grade and will allow advanced OAM by Service Providers to support LTE (and beyond) and ultra broadband (+1Gbps switched access) fixed access and will offer Synchronization for TDM and Sync Ethernet support.
An optimized and innovative management and control plane will be developed to allow Service Providers monitor their connections transparently in order to simplify network management and application interoperability with heterogeneous networks. As SODALES service will be totally compatible with existing access solutions, SODALES aims to become the ultimate access platform. Fixed fiber and radio access, LTE and beyond and legacy services (CATV and DSL technologies) can be delivered and managed in an open access manner by the SODALES interconnection network service.

SODALES is a focused and balanced consortium of industrial (manufacturers, operators) and academic partners providing a novel and cost-effective approach to next-generation optical access provision.

Field of science

/socia sciences/sociology/governance/public services
/social sciences/social and economic geography/transport

Programme(s)

Topic(s)

Call for proposal

FP7-ICT-2011-8

Funding Scheme

CP - Collaborative project (generic)

Coordinator

FUNDACIO PRIVADA I2CAT, INTERNET I INNOVACIO DIGITAL A CATALUNYA

Address

Calle Gran Capita 2-4, Edifici Nexus I
08034 Barcelona

Spain

Activity type

Research Organisations

EU contribution

€ 505 000

Website

Contact the organisation

Administrative Contact
Participants (5)

**FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.**
- Germany
- EU contribution: € 299 171
- Address: Hansastrasse 27C, 80686 Munchen
- Activity type: Research Organisations
- Website
- Administrative Contact: Andrea Zeumann (Ms.)

**GESTION DE INFRASTRUCTURAS PUBLICAS DE TELECOMUNICACIONES DEL PRINCIPADO DE ASTURIAS - GITPA**
- Spain
- EU contribution: € 0
- Address: Calle Coronel Aranda 2, 33005 Oviedo
- Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
- Contact the organisation
- Administrative Contact: Cesar Rodriguez (Mr.)

**ETHERNITY NETWORKS LTD**
- Israel
- EU contribution: € 447 000
- Address: Hamelacha 1, 71520 Lod
- Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)
ALTICE LABS SA

Portugal
EU contribution
€ 297 087

Address
Rua Jose Ferreira Pinto Basto
3810 106 Aveiro

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Website

Administrative Contact
David Levi (Mr.)

UNIVERSITY OF ESSEX

United Kingdom
EU contribution
€ 440 742

Address
Wivenhoe Park
CO4 3SQ Colchester

Activity type
Higher or Secondary Education Establishments

Website

Administrative Contact
Helena Paula (Ms.)

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