

SUNSHINE

Smart Urban Services for Higher eEnergy Efficiency



share   

PROJECT OVERVIEW

SUNSHINE “Smart Urban Services for Higher eEnergy Efficiency” delivers innovative digital services, interoperable with existing geographic web-service infrastructures, and supports improved energy efficiency at the urban and building level.

Specifically, **SUNSHINE** delivers a smart service platform accessible from both a web-based client and from an App for smartphones and tablets. In particular, the **SUNSHINE** platform will allow:

1. Automatic large-scale assessment of building energy behaviour based on data available from public services (e.g. cadastre, planning data etc.). The information on energy performances will be used to automatically create urban-scale “ecomaps” to be used for planning activities and large-scale energy pre-certification purposes.
2. The previous assessment will be then used, together with localised weather forecasts available through interoperable web-services, to ensure optimisation of energy consumption of heating/cooling systems through automatic alerts that will be sent to the **SUNSHINE** App installed on the smartphone of the final users.
3. Lastly **SUNSHINE** will ensure interoperable control of public illumination systems based on Automatic Meter Reading (AMR) facilities remotely accessible, via interoperable standards, from a web-based client as well as from an App for smartphones or tablets.

The **SUNSHINE** technology will be the result of the customization and integration of existing software components developed by other EC-funded projects focusing on smart-city technologies, including BRISEIDE, i-SCOPE, and i-Tour.

CONTENTS

1. Project Overview
2. Work Packages
3. Scenarios
4. System Architecture
5. Project Events
6. Project Meetings
7. Publications

FACTS & FIGURES

- **SUNSHINE**
Smart Urban Services for Higher eEnergy Efficiency
- **SUNSHINE** is supported by the CIP / ICT Policy Support Programme Pilot Type B of the European Commission
- Identifier: CIP-ICT-PSP-2012-6
- Start Date: 01 February 2013
- Duration: 36 months
- Coordinator: Raffaele De Amicis
- Fondazione GraphiTech
Via Alla Cascata, 56/C
38123 Trento, Italy
- Email:
coordinator@sunshineproject.eu
- Phone: +39 0461 283395
- Fax: +39 0461 283398
- Project website:
www.sunshineproject.eu

CHECK OUT OUR VIDEOS



SUNSHINE – Trailer



A Technological Overview

KEY PAST EVENTS

SUNSHINE was present in various conferences and events in many cities in Europe:

- From 12 to 27 October 2013, within the Frequenze Sostenibili, the Urban Center in Bassano hosted at its headquarters in Via Porto di Brenta the exhibition **(RI)'S LIGHT Bassano** - thematic exhibition on new proposals for sustainable lighting of the historical center of Bassano del Grappa. During this event, it has been presented the **SUNSHINE** Project through a thematic workshop.

THE CONSORTIUM



PUBLICATIONS

Within the project, some publications have been made, i.e.:

- CORP 2013
SUNSHINE Smart Urban Services for Higher eEnergy Efficiency Linda Dörrzapf, Barbara Mušič, Manfred Schrenk, Wolfgang Wasserburger
www.corp.at
- GI_Forum 2013
SUNSHINE Smart Urban Services for Higher eEnergy Efficiency Linda Dörrzapf, Manfred Schrenk, Wolfgang Wasserburger
http://hw.oeaw.ac.at/7438-7_inhalt?frames=yes
- Greenplanner
SUNSHINE Smart Urban Services for Higher eEnergy Efficiency
www.greenplanner.it



SUNSHINE @ Web 2.0

The SUNSHINE project is also promoted through social networks including: Facebook, LinkedIn, Twitter and YouTube.

These can be accessed at the following addresses or through the QR codes next to each of the social network's logo.



- Project **SUNSHINE** was presented at the second edition of **SMART CITY EXHIBITION 2013**, 16-18 October in Bologna. Smart City Exhibition is the occasion for people involved in the shaping of present and future smart cities to meet and confront. In this context, Sinergis presented the project **SUNSHINE** to an audience of public administrators, energy professionals, and citizens, describing how Sunshine can help to improve the energy efficiency of buildings, households and lighting networks.
- Dissemination in the exhibition **EXECONOMO** on Thursday 7 November 2013 in Athens creating a Greek version of **SUNSHINE** flyer. The exhibition is the only one of its kind and focuses on the thought that "the most cost-effective energy is the one we save".



- Fondazione GraphiTech have attended to the 3 Days event **ICT 2013** in Vilnius. The project **SUNSHINE** has been presented by Raffaele de Amicis during specific networking session and through a dedicate space during the Exhibition. This event brings a great visibility to **SUNSHINE** as demonstrated by the number of visit on the web site during October and November 2013.



FUTURE EVENTS

The project will be further disseminate through the participation to:

- **The Geospatial World Forum 2014**, to be held in Geneva on May 05-09 2014, is the word-level conference for the professionals engaged in geospatial sector and its application domain. The paper, with the title "Smart meters and CityGML for energy efficiency in buildings", will be presented in the session dedicated to Energy and will focus on the services developed by Sunshine designed to improve building energy efficiency and the geospatial technologies behind them, namely the real-time monitoring of energy consumption by smart meters and the extension of the CityGML city model representing 3D buildings with structured information on the energy-related properties of buildings.
- The **SUNSHINE** Project will be represented on the **REAL CORP 2014** - 21-23 May in Vienna. This gives the chance to reach about 400-500 experts from around the world from the fields of urban planning, energy, information and communication technologies, social and environmental sciences, real estate

and GIS and to discuss the first project results in a lecture and workshop.

SUNSHINE CHALLENGE 2014

The first **SUNSHINE** challenge will be organized in cooperation with the **SMESPIRE CHALLENGE 2014**. The challenge is structured into two tracks: “**Best Practices for INSPIRE**” and “**Open Source Software for INSPIRE**”, encouraging submissions related to successful INSPIRE implementations in vertical application domains. The Awards for the **SUNSHINE** challenge will be presented during the next **INSPIRE Conference** in Aalborg Denmark, 16-20 June 2014, a great window towards European market and networking opportunities, organized in cooperation with the **SUNSHINE** project.

The call text is available [here](#)... We want you in great number!

PROJECT MEETINGS

- **Trento first technical meeting**

From 14th to 15th October 2013 was held in Trento the first technical meeting of the SUNSHINE project. The meeting has recorded a great involvement of the partners with the participation of more than 30 people. During the meeting have been presented the progress of the various tasks and have been analyzed the critical issues to identify the possible mitigation actions.



- **First Year Review**

On April 15th 2014 will be held in Trento the **first review meeting of the SUNSHINE project**. The meeting will be hosted by partner Trentino Network and organized by local partner Informatica Trentina.