



NEWSLETTER February-March 2017

Latest news

How has the IoT changed our cities?



by Marcos Martínez Peiró, Assistant Professor, Technical University of Valencia & Guillaume Corradino, Head of European Programmes, Greenovate! Europe

In the past few years, hundreds of cities around the world have become “smart”: or so they tell us. But what does it really mean? This label has been used over and over, often inconsistently, at the same time as the “smart city” phenomena was growing. It generally refers to any type of urban development strategy aimed at making a city more efficient, whether it is through higher energy efficiency, sustainable management of resources, optimised mobility, or the enhanced quality and delivery of city services in general.

There is however one common requirement that makes a city smarter: improved data management. Until recently 95% of all the data available on the Internet was sent and received by users. Today, “things” dominate, with 95% of data transmitted by phones, cars, engines, meters, streetlights, tags... without any human intervention.

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SCIS conference 'Empowering smart solutions for better cities'!

The conference 'Empowering smart solutions for better cities', organised by the Smart Cities Information System, will take place on 2 and 3 October 2017 in Budapest, Hungary. A mix of classic sessions and interactive methods, this event will bring together key stakeholders from cities and regions, smart cities & energy efficiency projects, industry, business, European Commission and smart cities initiatives.

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recommendations to the EC on support and policy actions needed to address the market gaps in the field of smart cities

by Igor Taranic

One of the missions of the Smart Cities Information System (SCIS) is providing the European Commission with recommendations on how to improve the European policies in the areas of urban innovation and planning, research and development and how to better support the EU-funded smart cities projects.

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join forces to replicate smart city solutions

In their efforts to deliver and replicate smart city solutions, EU's nine Lighthouse projects - REMOURBAN, SMARTER TOGETHER, GrowSmarter, TRIANGULUM, REPLICATE, SmartEnCity, Sharing Cities, RUGGEDISED, mySMARTlife - formally signed a Cooperation Manifesto in Nottingham (United Kingdom). The signing ceremony was held at the Nottingham Trent University and hosted representatives of projects that, altogether, span over 50 towns and cities across Europe.

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Malmö and Brussels receive sustainable mobility awards

The European Commission announced the winners of the 2016 European sustainable urban mobility awards at a ceremony held in Brussels (Belgium). Malmö (Sweden) won the European Mobility Week Award 2016 for its long-term focus on active transport modes such as cycling and walking. The 5th Award for Sustainable Urban Mobility Planning was won by Brussels (Belgium) for its successful freight strategy.

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Newly engineered material can cool roofs and structures with zero energy consumption

A team of University of Colorado Boulder engineers has developed a scalable manufactured metamaterial — an engineered material with extraordinary properties not found in nature — to act as a kind of air conditioning system for structures. It has the ability to cool objects even under direct sunlight with zero energy and water consumption.

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BUILD UP and BUILD UP Skills join efforts in sharing knowledge of energy efficiency in buildings

In the ongoing effort to promote knowledge exchange among peers, BUILD UP and BUILD UP Skills project announced their merger. The objective is to combine the content and practical expertise of both initiatives into a single platform to offer additional training and skills to European stakeholders in energy efficiency.

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Events

EASME: Financing energy efficiency

30 March 2017
Brussels, Belgium

[More information...](#)

SmartEnCity Webinar : Empower your city transition – Citizen Engagement learnings from European municipalities

31 March 2017
Online

[More information...](#)

Smart Cities Central and Eastern Europe conference

5 April 2017
Budapest, Hungary

[More information...](#)

Projects



DIRECTION

DIRECTION aimed at demonstrating how the use of very innovative and cost-effective energy efficiency technologies can lead to the achievement of very low energy new buildings. This aim along with the effective adoption of low energy buildings was achieved by switching to a model whereby energy efficiency provides value to the market and represents an attractive asset across the whole of the value chain. Two new buildings were used as pilots in DIRECTION - NuOffice in Munich (Germany) and CARTIF III building in Valladolid (Spain). Each of them deployed a set of very innovative measures, constructive elements for energy optimization, high efficient equipment and advanced energy management.

Visit the project's SCIS page
Visit the project's website..

Projects



E2REBUILD

E2ReBuild project investigated, promoted, and demonstrated cost-effective and advanced energy-efficient retrofit strategies that create added value for existing residential buildings and endorse end-users to stay and build a dynamic society. The vision of E2ReBuild was to transform the retrofitting construction sector into an innovative, high-tech, energy efficient industrialized sector. The project implemented research and developed new retrofitting solutions regarding planning, design, technology, construction as well as operation and use of buildings. The E2ReBuild was realized at seven demonstration sites in Finland, Sweden, the Netherlands, France, Germany and the United Kingdom.

Visit the project's SCIS page...
Visit the project's website...

From the community



@EltisPortal

Today 400+ people meet in #Dubrovnik to discuss intelligent planning for sustainable mobility #SUMPconference2017. We joined them!



@SmartCityexpo

#PeopleFirst: #Cities that tap #CollectiveIntelligence can maximize the impact of smart tech @wdeggers <http://ow.ly/huWS30ajUdQ> #smartcities

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The Smart Cities Information System (SCIS)

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