

April 2016

## INTRODUCTORY WORD



Dear readers,

First of all, we would like to congratulate the whole **PHOSave** team who will be funded from the **SME Instrument** to develop an innovative solution for phosphate recovery from exhausted extinguishing powders. The grant is now being prepared for signature. We are proud and happy that we could provide our support for this proposal preparation.

As usual, on the pages below you can explore news from the European R&D&I, e.g. details about the H2020 ICT call, updates from PI-SCALE, AMBASSADOR and LASSIE-FP7 projects and many others.

Enjoy the reading and the spring which is back!

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## NUMBER OF THE MONTH APRIL

# 1080

(a number of proposals submitted to 20 topics in ICT call closed on 12 April 2016)

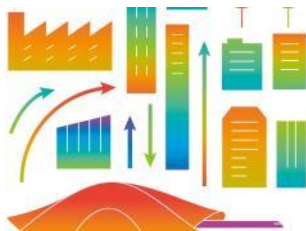
**April: time of submission**

**41** proposals (34 RIA and 7 Innovation Actions) were submitted to the topic **ICT-02-2016** Thin, Organic and Large Area Electronics. **71** proposals (7 Coordination and Support Actions, 59 RIA and 5 IA) were submitted to the topic **ICT-29-2016** Photonics KET 2016. **52** proposals Research and Innovation Actions (RIA) were submitted to the topic **LCE-01-2016** Next generation innovative technologies enabling smart grids, storage and energy system integration with increasing share of renewables: distribution network.

In the first half of April **AMIRES and its business partners were very active** in the preparation of proposals for those topics. **Energy related topics, embedded electronics and lighting technologies** are confirmed of big interest for the company. Good luck to all the applicants!

For more details on ICT call click [here](#) and for LCE call [here](#) (section "Call updates").

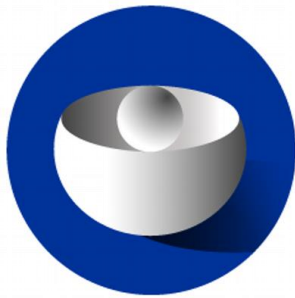
## WHAT'S NEW IN EUROPEAN R&D



### **EeB PPP Project Review 2016 available online**

In the framework of the Public-Private Partnership on Energy-efficient Buildings (EeB PPP), a joint initiative of the European Commission and the Energy Efficient Buildings (E2B) Committee of the ECTP, one of the commitments consists in **monitoring the impacts and exploitable outcomes generated by the projects**. This yearly publication, **5th edition** of the EeB PPP Project Review 2016, presents the progress of **110 co-funded projects** within the EeB PPP under the 7<sup>th</sup> Framework

Programme (FP7) for 2010, 2011, 2012 and 2013 and **17 new co-funded projects under the Horizon 2020** programme for 2014. This new edition highlights current results and achieved or potential impact of the EeB PPP projects. The projects demonstrate scientific and technological excellence, across all levels, from early stage conception to demonstration of almost ready-to-market innovations. Distributed into **7 technology-clusters** defined according to the construction-related research and innovation value chain from the EeB PPP Roadmap (Design, Technology Building Blocks, Advanced materials and nanotechnology, Construction process, Energy performance monitoring & management, ICT and BIM), they illustrate the diverse innovation approaches and the importance of embracing all aspects of the building and construction sectors. You can learn about **AMBASSADOR** (p. 25) and **TRIBUTE** (p. 59) projects in the report. The Project Review 2016 is available for download [here](#).



#### **Support for medicines development**

The European Medicines Agency (EMA) launched **PRIME** (PRiority MEDicines), the scheme to **support the development of medicines that target an unmet medical need**. This **voluntary scheme** is based on **enhanced interaction and early dialogue** with developers of promising medicines, to optimise development plans and speed up evaluation so these medicines can reach patients earlier. Through PRIME, the Agency offers early and proactive support to medicine developers to optimise the generation of robust data on a medicine's benefits and risks and enable accelerated assessment of medicines applications. More information is available [here](#). The press conference is available [here](#).

## HORIZON 2020



#### **Foresight: Third Strategic Programme of H2020**

The European Commission published a foresight report in preparation for the third strategic programme of Horizon 2020, covering the years **2018-2020**. The report also looks beyond Horizon 2020. It is a document for strategic use, outlining the most important challenges for the years to come. The report highlights the following potentially important considerations: **Hyper-connectivity** and **Big Data** driving accelerated change and innovation; **Falling cost of energy** as potential game changer; **Migration** and changing demographics as important for innovation in Europe; **Health** as a major driver for aspirations, shaping attitudes to R&I; **Climate change**, oceans and space as projects important for humanity as a whole; **Primary sector innovation** as a strategic concern, key for sustainability and well-being; **Biotechnology** as the next wave of disrupting technologies; **Instability**, as a new norm in global society. In addition, the report emphasizes the importance of **public engagement** and a strong **export-oriented** economic base. You can download the report from the [EUBookshop](#).

#### **DESCA 2020 Version 1.2**

The updated version of the DESCA 2020 **model Consortium Agreement** has been published. DESCA is used in the H2020 actions as a comprehensive model Consortium Agreement, providing various options and alternative modules and clauses, and thus maximum flexibility. Further information along with the updated text of the DESCA model Consortium Agreement is available [here](#).

## FROM OUR PORTFOLIO



#### **Expanding EffiBUILDING**

**300 is the number of products** in [EffiBUILDING](#) reached in this month. A relevant goal for this innovative initiative that provides an overview of the latest state of the art to professionals in design and refurbishment of buildings or anyone interested in selecting and

comparing an appropriate product. Important world key players in the **efficient windows, facades systems, PV models and sensors** are now present in the database with the latest products or prototypes offered in the market. This approach makes EffiBUILDING a marketing tool open 24h and connected with all the world for component producers. You can promote your product and **get free access** to the database by entering a product or prototype details [here](#) and you will receive login details by email (details must be complete and will be controlled by Product Manager).

If you have any questions about [EffiBUILDING](#), you are more than welcome to contact our Product Manager [Fabrizio Perrotta](#).



#### **PI-SCALE visibility increases**

This month saw the launch of PI-SCALE **project website**. Basic information about the project, partners, ambition, and pilot line offering can now be consulted at [www.pi-scale.eu](http://www.pi-scale.eu). If you would like to know more about the project and the services the pilot line will provide, you can consult the answers to the [frequently asked questions](#), or you can post your questions by using the [Contact form](#). The website will be constantly maintained and updated with the latest information during the entire project duration. Stay tuned.

This month also saw some pioneering and innovative products in the field of printed electronics displayed at **Lopec2016, in Munich, Germany**. PI-SCALE was there. The future pilot line was introduced to **more than 2,000 visitors from over 40 countries**. Technology of the future is being already applied according to key industry players who presented their innovations. More info about the event can be found at [here](#).



#### **AMBASSADOR will organise its summer school and final conference**

On **8 September 2016** in Chambéry (France) and on **11 October 2016 in Lavrion** (Greece), the AMBASSADOR project will organise its **summer schools for energy managers**. The topics to be presented will cover overall energy context, optimization strategies for buildings and districts dimension as well as the practical **demonstration of the District Energy Management and Information System (DEMIS)** developed within the framework of the project. More information including detailed agenda and pre-registration will be available during May 2016 [here](#).

Furthermore, on **12 October 2016 in Lavrion** (Greece), the project will also organise its **final conference**. The goal of the AMBASSADOR final conference will be to present different outputs that have been developed within the scope of the project (**technical session**) and to demonstrate their impacts in real conditions on one of the AMBASSADOR **test sites** in Greek Lavrion (**test site visit**). On top of that, the work with AMBASSADOR District Energy Management and Information System (DEMIS) will be showcased (**demo session**). Different business aspects of smart districts, smart grids and smart cities will be discussed following the research, studies and interviews ran during the course of the project (**business session**). Last but not least the AMBASSADOR team would like to share with its audience as well as invited guests its **lessons learnt** from this challenging four-year project (final discussion). More information including the conference agenda and registration will be continuously published [here](#).



#### **LASSIE-FP7 in LED professional Review and new video launched**

In the last issue (**#54**) of LED professional Review (LpR) you can read an [article](#) about LASSIE-FP7 project on page 46. There is a headline also on the cover of the issue. The contribution is focused on "**Thin-Film Light Management System for Intelligent Large-Area LED Luminaires**" written by **Oscar Fernández** from Centre Suisse d'Electronique et de Microtechnique SA (**CSEM**). The whole issue is available [online](#) or you can download the [pdf version](#).

CSEM has recently finalized several [videos](#) which were shot at [CSEM's First Business Day](#) on 3 November 2015 at EPFL's Microcity **to make discover or re-discover its technologies and demonstrators**. LASSIE-FP7 was part of it. Photos of LASSIE-FP7 booth are available in the [Gallery](#) section of the project website. Learn more about LASSIE-FP7 project from **Rolando Ferrini, LASSIE-FP7 coordinator**, who introduces the project and

its first conceptual demonstrator in the video titled “Light Management – Large-area solid-state intelligent efficient luminaires (LASSIE)”.

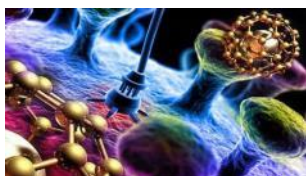


#### **Renaissance of chemical and biological sensors**

AMIRES co-organized a lobbying event on sensors **in Brussels on 19 April 2016**. **European Sensor System Cluster (ESSC)** initiated the event and **Rudolf Fryček** participated in the event as a **Project Technical Advisor** of the ESSC cluster. Challenges and roadmap for 2020 and beyond were presented.

Presentations from the event are available only for cluster members who can contact their WG leaders. The European Sensor Systems Cluster (ESSC) identifies technical or non-technical challenges for (bio)chemical sensing and highlight opportunities resulting from nanotechnology, microsystems integration, advanced data evaluation, their manufacturing, commercialization and systemic integration. ESSC mobilizes a pan-European network, ready to advice, assist and execute the national or international measures leading to strengthened position of European Research and Innovation. If you would like to learn more about the ESSC, please contact [Rudolf Fryček](#).

### WHERE YOU CAN MEET AMIRES



#### **CLINAM 9/2016**

European Foundation for Clinical and Nanomedicine, CLINAM, organizes European & Global Summit for **Clinical Nanomedicine and Targeted Medicine** from **26 to 29 June 2016** in **Basel** Congress Center. The CLINAM-Summit is today one of the most important marketplaces for scientific exchange

and discussions of clinical, regulatory, political and ethical aspects in the field of cutting-edge medicine. It covers the manifold interdisciplinary fields of Clinical and Targeted Nanomedicine in major and neglected diseases. As special focus area, translation and enabling technologies, including, for example, cutting-edge molecular profiling, nano-scale analytics, single cell analysis, stem cell technologies, tissue engineering, in and ex vivo systems as well as in vitro substitute systems for efficacy and toxicity testing are added. Don't miss **Rudolf Fryček's contribution on Novel Approaches for Industry & Academia Cooperation in Regenerative Medicine** on **28 June** in a parallel session “The Big Picture of Nanomedicine”. He will represent both AMIRES and [Contipro](#) at the event. You can learn more about the summit [here](#). Check the pre-final programme [here](#).

### AMIRES SERVICES



#### **AMIRES as your long term partner**

The long term cooperation consultancy model is **intended for partners or coordinators with most demanding requests and multiple projects participation**. The model includes **all services standardly provided by AMIRES** (e.g. strategic partnering, project proof reading, full project preparation including project management and administration). AMIRES

consultant(s) will show proactive effort to get client into strategically defined projects and support their preparation, technology scouting, including training of internal staff, ad-hoc problems solving as well as EU lobbying.

**Please find detailed information on our consultancy models [here](#).**

If you would like to take advantage of our services, **please do not hesitate to [contact us](#) for more information.**

[www.amires.eu](http://www.amires.eu)

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