



## Explore, Shape & Deal

### Joint SCIS & EIP-SCC Newsletter

September 2019

Here it is! The second SCIS & EIP-SCC Explore, Shape & Deal newsletter. With this newsletter, we give you an excellent overview of what is happening in the Smart City scene and some real life stories about living in Smart City Kerava in Finland (MAthUP), an interview with Julia Egenolf from GrowSmarter's Lighthouse City Cologne and tell you the tale of R2Cities. Interested in finding out more? Well, just scroll down.

It's September, so we say good-bye to the summer leasures and are now concentrating full force on final preparations for Nordic Edge (24-26 September) in Stavanger. There are also ongoing preparations for the Smart City Expo World Congress in Barcelona (19-21 November) including our joint stand, workshops and agora sessions. In addition, there is the SCC1 projects meeting in October in Lyon. So there are plenty of possibilities for you to engage with us – and for us to engage with you. We are looking forward!

The SCIS & EIP-SCC Team

### Travel, Share & Learn: MAthup on the Red Carpet

Summer time is over and although this usually means that travel time is also over, we look forward to present to you the latest addition to our SCIS video series "Travel, Share & Learn"! Our video this month is featuring [MAthUP](#) project, one of the "younger" Smart Cities and Communities Lighthouse projects. Our Storyteller Arthur Lankester went to Kerava in Finland to interview the local MAthUP partners there.

**Watch now!**

### Explore: Nordic Edge – The European Commission Puts Climate Neutral and Smart Cities on the Agenda at the Nordic Edge

The European Commission puts the Horizon Europe mission on climate neutral and smart cities at the heart of the agenda at the Nordic Edge Expo, the largest smart city event in the Nordics (Stavanger, Norway, 24-26 September).

On 24 September, the European Commission brings together key players like the European Innovation Partnership on Smart Cities and Communities (EIP-

SCC), the Smart Cities Information System (SCIS) and European networks like EUROCITIES and Open & Agile Smart Cities (OASC) as well as actors from across the continent, in the workshop **“On a Mission for the European Cities of the Future - Achievements, Challenges, Opportunities”** to discuss the Horizon Europe mission on carbon neutral and smart cities. From 13.30 – 17.30, the two new H2020 funded smart city projects will be introduced to the public (Part 1: Meet the New Lighthouse Cities), the Triangulum Journey – Six cities and their ripple effects (Part 2) will be presented and a stakeholder debate discussing Horizon Europe - A Mission to Deliver the Cities of the Future (Part 3) will be in the focus. [Further information](#).

In addition, European Commission officials will attend the international conference "Energising Cities" of the **Horizon 2020 Lighthouse project Triangulum** (23 September, on-site registrations possible) and intervene in the opening plenary of the Nordic Edge Expo (24 September). [Further information](#)

*“Two thirds of Europe's population live in urban areas and would immediately benefit from a more coherent and integrated approach to the grand challenges such as climate change. And while progress in cutting CO2 emissions and the delivery of core solutions is encouraging, far more needs to be done! This is why the European Commission launches the mission on “Climate-Neutral & Smart Cities.” says **Haitze Siemers**, Head of Unit in DG Energy who is due to hold a **keynote** speech at Nordic Edge Expos main stage. [Further information](#)*

#### **Action Cluster Initiatives Workshop 25 September**

On the following day (25 September 08:30 – 14.45), the **six EIP-SCC Action Cluster Initiatives** will hold a workshop. This workshop continues the process of strengthening each initiative; tightening the connections between these interdependent initiatives; mobilising cities, industry, investors, and scientific organisations to commit to make things real in the market.

The workshop will be very hands on. After a brief orientation, each Action Cluster & Initiative will focus on action – to refresh their 100-day / 6-9 months plans towards agreed long-term targets; consider routes to funding; and identify key inter-connections and challenges. Then, interdependencies and synergies between initiatives will be explored. All to support broader and faster deployment of a coherent set of initiatives that can help European Cities deliver better societal outcomes.

We look forward to welcoming you to the Action Cluster Initiatives workshop being held in Stavanger on Wednesday 25th September, and the subsequent digital dissemination round table.

For those that plan to participate in the workshop:

Please register here: <http://www.eiseverywhere.com/eip-nordicedge> (Please note that there is a *limited* number of free tickets to attend all 3 days of

Nordic Edge, which will be distributed based on availability to only the Action Cluster and Initiative Leads – the SCIS team will contact those eligible after you have completed your registration.)

Please familiarise yourself with the [briefing slides here](#), for which an A3 copy will be available for each AC discussion. And you may wish to remind yourself of the various documents that are referenced in the slides (e.g. [2018 Towards Paper](#); [May 2019 GA report](#); [EIP Initiative State-of-Play](#)) – all of which have been made available to you.

**[REGISTER HERE FOR THE ACTION CLUSTER INITIATIVES WORKSHOP – TO ACTION!](#)**

**More information**

### [SCIS Stories: GrowSmarter - Combatting CO2 in Cologne, Interview with Julia Egenolf](#)

As the effects of climate change are being felt around the globe, the European Horizon 2020 programme seeks to mitigate the damage we have done to our environment. Through innovative ways that reduce CO2 emissions and end the relationship with fossil fuels, projects that meet the criteria of the programme are on the rise all across Europe. German city Cologne has also taken up the challenge as one of the three Lighthouse Cities of the GrowSmarter initiative. In common with other Horizon 2020 projects, Cologne has committed itself to 12 solutions in GrowSmarter's three areas of impact.

**More information**

### [More Stories: A Tale of R2Cities](#)

"When the [R2Cities](#) project was close to finalisation, we were making a video of the retrofitted districts and an elderly woman approached me," remembers Cecilia Sanz Montalvillo, R2Cities project coordinator and energy researcher at [CARTIF](#), "and told me how much more comfortable her home was now than it had been in the previous years. Her comfort can't be put into numbers, but it's the most important thing for her."

Cecilia Sanz Montalvillo is a Senior Researcher in the Energy Division at CARTIF Technological Centre, Spain. She was the Project Coordinator of [R2CITIES](#) (FP7) and is currently coordinating the Horizon2020 Smart Cities and Communities project [MAKING-CITY](#) – she was interviewed by Anthony Colclough, EUROCITIES.

**More information**

[Explore: Kozani Conference and SCIS Roadshow](#)

Do you remember our [SCIS Smart City Roadshow Competition](#)? We are now holding our first Roadshow in Kozani as part of their 1st international Balkan Clean Energy Transition Conference and Fair. There will be a presentation by [Nikolaos Kontinakis](#), Senior Projects Coordinator at EUROCITIES and part of the Smart Cities Information System (SCIS), talking about good practices regarding the clean energy transition.

The Balkan Clean Energy Transition is expected to be a bi-annual event, during which new international Clean Energy initiatives, challenges and solutions will be presented. For this time, the 2019 Balkan Clean Energy Transition Event will be under the auspices of the Technical Chamber of Greece (TEE), the European Economic and Social Committee (EESC), with the support of the EU Smart Cities Information System (SCIS) and the European Chemical Industry Council (CEFIC). Inspired by best practices around the world, Balkan Clean Energy Transition will attempt to create unique experiences and valuable spaces for interaction, whilst maintaining the opportunity to maximise floor space and visibility for exhibitors – both large and small in the whole Balkan area.

Balkan Clean Energy Transition Conference is a three-day event (19 - 21 September) covering Clean Energy topics such as renewables, energy efficiency, smart cities, circular economy, mobility, governance and citizen engagement, all of them leading the Balkan area throughout the coal transition.

**More information**

## [Applying the OECD Principles on Water Governance to Floods](#)

Flooding is the most common of all natural disasters, and there is growing consensus that the frequency and number of people at risk from floods will increase. Global megatrends, including climate change, population growth and urbanisation profoundly exacerbate the frequency, intensity and impact of flooding. In 2016, 23.5 million people were displaced because of weather-related disasters, of which the majority were associated with floods or storms. In between 1998 and 2017, floods accounted for close to one-quarter of global economic losses due to natural disasters.

**More information**

## [Air Pollution Mitigated and Reduced with Context Broker](#)

Air pollution is a major problem for public health in urban environments. Many European cities are confronted with increasing air pollution and associated health problems. Barcelona, the second most populous city of Spain, is one of them.

Despite negative effects on human health, the economy, and the environment, traditional Air Quality Monitoring (AQM) stations in cities are limited to space due to high capital and operative expenditures. This allows cities to install a small number of them. This is also the case of the city of Barcelona, in which, only 12 monitoring AQM stations are installed. These monitoring stations provide very accurate data but only for specific points and these few points do not provide the real and complete picture of pollution behaviour.

**More information**

### [Foresight Workshop: A Research & Innovation Agenda for EU-China Cooperation on Sustainable Urbanisation 2019-2029](#)

The URBAN-EU-CHINA Innovation Platform on Sustainable Urbanisation invites you to join the EU-China Foresight Workshop on Sustainable Urbanisation. This workshop is the fifth in a series of Foresight Workshops organized by UEC, for urban stakeholders to discuss urban trends, challenges and visions and identify what EU and China could achieve by cooperating on sustainable urbanization. For the fifth Foresight Workshop, we are particularly aiming to discuss EU-China cooperation with staff of the various DGs and cabinets of the European Commission, as well as members of our cooperation networks, the European Innovation Partnership on Smart Cities and Communities (EIP-SCC) and Joint Programming Initiative Urban Europe (JPI UE). During the 16 September Foresight Workshop, the URBAN-EUCHINA report on EU-China R&I Agenda for 2019-2027 will serve to frame the discussion and will include the workshop's relevant results. Building upon the results of the BOHEMIA study, the workshop participants will discuss time of realization of expected urban social, economic, technological, environmental changes and identify those more relevant for future EU-China R&I cooperation. The workshop will engage the participants in creative and inspirational conversation leading to wiser and more collectively informed proposals. The participants will work in small, interactive groups where each of them will be asked to speak out and share their knowledge with the others.

**More information**

### [Smart Services to Make a Smart City](#)

In 2010, Tinus Kanthers, responsible for code enforcement at public events in the Municipality of Eindhoven, attended an interactive event called the 'STRP Art & Technology Festival'. Radio Frequency Identification (RFID) and Near-Field Communication (NFC) technologies allowed visitors to get involved and do things such as provide feedback on artwork via

touch screens. Inspired by the festival and talks of the new wave of technology we now call the Internet of Things (IoT), Tinus KanTERS came up with the idea that such devices could also be applied in the context of managing a city. He developed this thought further, and so the Municipality of Eindhoven and the Dutch Institute for Technology, Safety and Security (DITSS) launched the Living Lab Stratumseind 2.0' project in 2012. Living lab is an innovation and research concept where ideas are sourced and co-developed in an open community and tested in real life. This gives everyone, including citizens, a unique opportunity to get involved and have a say.

**More information**

## Smart City Training Course in Germany

In cooperation with BABLE Smart Cities, TÜV SÜD Academy will be offering Germany's first Smart City training course starting in autumn 2019. Successful participants will receive compact training to become "Smart City Specialists" in two days.

During the two-day training, participants will gain an overview of the possibilities and current developments in the planning and implementation of innovative, sustainable and digital city models based on examples and experiences from pilot cities and projects worldwide. Using various instruments and models, the participants receive suggestions for the development of integrated solutions and the creation of Smart City Roadmaps and strategies. In addition, the training offers space for exchange of experience and discussion with experts who accompany, advise and support the topic of Smart City globally.

On 17-18 September 2019, the pilot event "Smart City - Basic Knowledge for Digital and Sustainable Urban Development" will take place as part of the Smart City Solutions trade fair at the Stuttgart Exhibition Centre.

**More information**

## SMART CITY NEWS



### **Sharing Cities: "Trade Show"**

The Greater London Authority presents the Sharing Cities 'trade show' event. Sharing Cities has delivered proven financial, social and environmental benefits in each of its test cities. The project partners want to share their learning, business models and innovative methods of financing with participants to the event in order to replicate this success elsewhere.

Some key successes we want to lead you to include: 60% energy savings in retrofitted buildings, over 500 'smart' lampposts deployed and tested, the Digital Social Market and live data platforms for policy makers. This event targets cities across Europe and the wider marketplace who want to learn more about how the project can support you to adopt smart technologies more quickly and cheaply and to put you in touch with Sharing Cities suppliers and partners that have delivered this success.

[READ MORE](#)



### **mySMARTLife: Helsinki's Journey to Becoming the Most Functional City in the World**

1 October 2019, Helsinki EU Office, Brussels, Belgium.  
The future of European cities must be a smart one. This emphasis and cities' growing role as the engines of Europe's competitiveness can be clearly seen also in the plans of the forthcoming programming period 2021-2027. But what is the role of digital transformation in smart city development? Are internet of things (IoT), interoperability and data management success factors in building better cities for European citizens? How do these factors help Helsinki and other European cities to become the most functional cities in the world?

Come and join the high level seminar organized by the City of Helsinki on 1 October to learn and discuss cities' digital transformation in the field of interoperability, sustainability, IoT and data management.



### **MATchUP: Bike, Bus, Metro, Foot: Going Intermodal**

Global transport accounts for almost [one quarter](#) of energy-related carbon dioxide emissions, and the proportion is rising. In Europe, although “[emissions have decreased substantially over the past decades, air pollutant concentrations are still too high](#)”, stated the European Environment Agency.

In MATchUP, the Lighthouse Cities demonstrate that intermodality is the smart future of urban mobility. Ever more cities need to offer public mobility options that combine several means of transport to decrease the use of private cars.

[READ MORE](#)



### **Sharing Cities: We Can Be Heroes**

The first of its kind in the UK, the Greenwich Energy Hero pilot has launched through Sharing Cities, helping residents use less electricity and earn rewards, all the while paving the way to a greener energy market.

Greenwich Energy Hero is a 12-month trial which will help 100 residents use electricity more efficiently in their home, earning rewards in the process. You can decide either to exchange your rewards for vouchers, or join collectively to donate to a local charity.

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### **Remourban, GrowSmarter, Triangulum: From Dream to Reality**

On 8 October 2019, from 14:30-17:00, the first three Smart Cities and Communities projects GrowSmarter, Remourban and Triangulum, funded by the European Union's Horizon 2020 Research and Innovation Programme, are hosting the session "From dream to reality: sharing experiences from leading European Smart Cities" at the European Week of Regions and Cities. After five years, these first three projects are now coming to an end and will thus share their results with the public. Political representatives from major European cities and technical experts from the projects will talk about their smart city experiences. Don't miss this event if you want to learn more about the outcomes and challenges of European Smart City projects.

[READ MORE](#)



### **Remourban: Too Much Data?**

On 11 October 2019 at 10:00 AM (CEST), Remourban invites you to the second out of three webinars, where innovators meet market actors looking for a solution to a specific problem and/or an opportunity to cooperate on a specific technological field.

Hosted by the EU funded project REMOURBAN and Steinbeis-Europa-Zentrum, two knowledge-based companies active in the information and communication technologies (ICT) sector will present their data management solutions for cities to potential customers/cooperation partners.

The webinar will be held in English and will last approximately 30 minutes.

[Join the webinar](#)



### **IRIS: Webinar on V2G Solutions in Lighthouse City Utrecht**

On 23 September 2019 at 2 PM CEST, IRIS partners LomboXnet and USI will host a webinar on Vehicle-2-Grid solutions.

In IRIS, Utrecht is demonstrating Vehicle2Grid (V2G) solutions as part of integrated urban mobility and energy solutions. In this webinar, IRIS partner LomboXnet will share knowledge about the AC-V2G-solutions that have been developed and are being implemented in Utrecht.

[READ MORE](#)

## **SMART CITY EVENTS**

**19 September**

[Smart City Day 2019](#)

**Monthey, Switzerland**

**23 September**

[Energising Cities: Innovations, Challenges & Solutions \(Triangulum Conference\)](#)

**Stavanger, Norway**

**24 September**

[On a Mission for the European Cities of the Future: Achievements, Challenges, Opportunities](#)

**Stavanger, Norway**

**25 September**

[Action Cluster Initiatives Workshop - To Action!](#)

**Stavanger, Norway**

**24-26 September**

[Nordic Edge](#)

**Stavanger, Norway**

**08 October**

[From Dream to Reality: Sharing Experiences from Leading European Smart Cities](#)

**Brussels, Belgium**

**09 October**

[Implementing the Paris Agreement: EU Cities and Regions in Energy Transition](#)

**Stuttgart, Germany**

**16-17 October**

[Urban Mobility Summit](#)

**Paris, France**

**17-18 October**

[Smart Cities and Communities Lighthouse Network Event](#)

**Lyon, France**

**13-15 November**

[13th SET Plan Conference](#)

**Helsinki, Finland**

**19-21 November**

[Smart City Expo World Congress](#)

**Barcelona, Spain**

**Find more events happening in September, October and November at our [SCIS events page](#) and our [EIP-SCC events page](#).**

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