

TRIANGULUM INTERNATIONAL CONFERENCE

Energising Cities: Innovations, Challenges & Solutions

> 23. – 24. September 2019 Stavanger, Norway









Triangulum is one of 14 European Smart Cities and Communities Lighthouse Projects (SCC1) funded by the European Union's Research and Innovation Framework Programme Horizon 2020.

Having started in February 2015, Triangulum is one of the first three projects completing this journey with its three Lighthouse Cities Manchester (UK), Eindhoven (NL) and Stavanger (NO), where innovative projects focusing on sustainable mobility, energy, ICT and business opportunities have been implemented and tested.

The project consortium combines interdisciplinary experience and the expertise of 22 partners from industry, research and municipalities that share the same objective and commitment of developing and implementing smart solutions to be replicated in the three Fellow Cities Leipzig (D), Prague (CZ) and Sabadell (ES).

The five year project is now nearing completion, resulting in numerous outcomes and lessons learnt that we want to share today with the smart city community and the public at our international conference "Energising Cities: Innovations, Challenges & Solutions", taking place in Stavanger, Norway from 23.-24.09.2019.

For more information about Triangulum, visit our website www.triangulum-project.eu:





Overview Monday, 23.09.

- Welcome & Presentation about Major Outcomes of Triangulum
- Presentation by Jens Bartholmes (European Commission)
- •Two Key Note Presentations: Martin Brynskov, Steve Turner
- Interactive Sessions: Climate Change,
 Governance, Citizen Engagement, Replication
 & Investment
- Innovation Marketspace

Moderator Tone Grindland (NHO Rogaland)

Venue Radisson Blu Atlantic Hotel

Olav V S Gate 3

4005 Stavanger, Norway

Room Atlantic Hall

Time 09:00 – 17:00

Costs no attendance fee



Monday, 23.09.2019

08:30-09:00	Registration & Coffee
09:00-09:10	Welcome by Tone Grindland (NHO Rogaland)
09:10-09:30	Welcome by Trinidad Fernandez (Fraunhofer IAO)
09:30-10:00	Presentation by DG ENER (European Commission)
10:00-10:05	Welcome by Christine Sagen Helgø (Mayor of Stavanger)
10:05-10:50	Key Note by Martin Brynskov
10:50-11:15	Coffee Break with Innovation Marketspace
11:15-12:00	Key Note by Steve Turner
12:00-13:00	Lunch Break with Innovation Marketspace
13:00-13:45	Interactive Session 1:
	Climate Change — What Cities Can Do!
13:45-14:30	Interactive Session 2:
	Smart Governance for Smart Cities
14:30-15:00	Coffee Break with Innovation Marketspace
15:00-15:45	Interactive Session 3:
	We All Can! How Citizens Make the Change
15:45-16:30	Interactive Session 4:
	Beyond the Project: Replication and Investment of
	Smart City Solutions
16:30-17:00	Conclusions and Summary



Interactive Sessions 1

Climate Change - What Cities Can Do!

Moderator: Gerd Seehuus (City of Stavanger)

Time: 13:00-13:45

This session is about what cities can do — and what Triangulum's cities have done already — demonstrating that the integration of technologies in energy, mobility and ICT leads to a significant reduction of energy demand and local GHG emissions.

- Ivan Hewlett (Siemens Manchester)
- **Dujuan Yang** (Technical University of Eindhoven)
- Markus Schwegler (Morgenstadt Initiative)

Interactive Sessions 2

Smart Governance for Smart Cities

Moderator: Oriol Llevot (City of Sabadell)

Time: 13:45-14:30

In this session, we focus on political barriers regarding the development and the implementation of smart solutions and how these obstacles can be overcome.

- Beate Ginzel (Stadt Leipzig)
- Mieke van Schaik (City of Eindhoven)
- Adam Pajgrt (IPR Prague)



Interactive Sessions 3

We All Can! How Citizens Make the Change

Moderator: Henk Kok (City of Eindhoven)

Time: 15:00-15:45

This session discusses the important role of citizen engagement in implementing successful smart city solutions, providing examples from the cities of Triangulum.

- Nadja Riedel (Stadt Leipzig)
- Marieke van den Wijngaard (Woonbedrijf)
- Solveig Ege Tengesdal (Rogaland County Mayor)

Interactive Sessions 4

Beyond the Project: Replication and Investment of Smart City Solutions

Moderator: Damian Wagner (NeueEnergie Consulting)

Time: 15:45-16:30

The final session talks about the replication potential of Triangulum's innovative solutions while at the same time addressing the issue of how to finance them without EU funding.

- Sonja Stöffler (Universität Stuttgart)
- Øyvind Schancke (4D Venture Capital Management AS)
- Georg Houben (DG ENER, European Commission)



Innovation Marketspace

During all **coffee and lunch breaks**, you will have the possibility to **experience** some of the Triangulum innovations **first hand**. Grab a snack and make sure not to miss the **live demonstrations** of our smart video solution BLINK or the WoonConnect app. Learn more about and meet the **individual partners** behind Triangulum: We are looking forward to mingle with you, telling you stories and experiences from five years of Triangulum!

The Innovation Marketspace also comes with a **roll-up exhibition** to inform about the major outcomes of Triangulum as a whole as well as of all our Lighthouse- and Follower Cities individually. The exhibition provides details about the monitoring & evaluation activities of the project, presents the results of the Triangulum replication processes and informs about the Triangulum dissemination & communication activities.

When:

- 10:50-11:15 h
- 12:00-13:00 h
- 14:30-15:00 h





Overview Tuesday, 24.09.2019

"On a Mission for the European Cities of the Future — Achievements, Challenges, Opportunities"

- Joint Session with Nordic Edge, European Commission, EIP-SCC, SCIS & Stavanger Region European Office
- Meet MAKING-CITY and +CityXChange
- Meet Triangulum and learn from us about Monitoring & Evaluation
- Learn about Horizon Europe A Mission to deliver the Cities of the Future

Moderator James Evans (University of Manchester)

Venue Nordic Edge Conference

at Stavanger Forum

Gunnar Warebergsgate 13 4021 Stavanger, Norway

Room Snønuten

Time 14:00 – 15:20

Costs Nordic Edge conference fee



Tuesday, 24.09.2019

On a Mission for the European Cities of the Future: Achievements, Challenges, Opportunities

13:30-14:00 Meet the New Lighthouse Cities

The newest edition of frontrunner cities awarded funding under the Smart Cities Lighthouse Call of the EU Research & Innovation Programme Horizon 2020 will be presenting their winner projects: +CITYXCHANGE & MAKING CITY.

14:00-15:20 The Triangulum Journey:

Six Cities and Their Ripple Effects

With a focus on Monitoring & Evaluation, Triangulum is looking forward to discuss best practices and lessons learned, getting into an exchange with the new Lighthouse Projects and the audience.

15:20-15:40 Coffee Break

15:40-17:30 Horizon Europe -

A Mission to deliver the Cities of the Future

This session is meant to trigger a targeted dialogue between the EC, the EIP-SCC community, the Horizon2020 Lighthouse Projects and more stakeholders on which key mission elements shall be delivered, by whom, by when and with which means.

jointly organised with:













Contacts

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Partners



















































The conference was organised by:

Bettina Remmele, Charlotte Schlicke & Isabell Sachs (Steinbeis-Europa-Zentrum)

Eline Vigre & Gerd Seehuus (City of Stavanger)
Trinidad Fernandez (Fraunhofer IAO)

With strong support from:

Delia Mitcan (City of Eindhoven) Martine Tommis (Manchester City Council) James Evans (University of Manchester) Philipp Lämmel (Fraunhofer FOKUS) Heike Iffland (Steinbeis-Europa-Zentrum)

...and the entire Triangulum consortium.

More Triangulum?



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Triangulum Project





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www.triangulum-project.eu



International Conference Programme



Triangulum has received funding from the EU's Horizon 2020 Programme rant Agreement No. 646578

