



# triangulum

DEMONSTRATE · DISSEMINATE · REPLICATE

***D7.6 – Event participation (5)***

***WP 7, Task 7.5***

***January, 2020 (M60)***



H2020-SCC-2014-2015/H2020-SCC-2014: “Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration - first of the kind) projects”

Collaborative Project – GRANT AGREEMENT No. 646578

Project Acronym		TRIANGULUM	
Project Title		Triangulum: The Three Point Project / Demonstrate. Disseminate. Replicate	
Project Coordinator		Trinidad Fernandez (Trinidad.fernandez@iao.fraunhofer.de) Fraunhofer IAO	
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Deliverable No.		D7.6 Event participation (5)	
Diss. Level		PU	
			Working
			Verified by other WPs
		x	Final version
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Work Package		WP 7 – Dissemination and Communication	
Lead beneficiary		2 (SEZ)	
Contributing beneficiary(ies)		All	
DoA		Task 7.5 “Event participation (for networking, presentation, stand; including presentations)” (Lead: SEZ, Partner: All)  Active participation at national and international events is foreseen, to engage with various stakeholders. Both, project presentations as well as stands and active participation are envisaged.	
Date	Version	Author	Comment
16.12.2019	1	Bettina Remmele / Heike Iffland (SEZ)	Writing and preparation of deliverable
19.12.2019	2	Trinidad Fernandez (IAO), Brenda Vaccari (UniS)	1st check (WP1)



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20.01.2020	4	Catalina Diaz (IAO)	2 <sup>nd</sup> Check (WP1)
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## List of Partners

Title	Abbreviation
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V	IAO
STEINBEIS INNOVATION GGMBH	SEZ
UNIVERSITAET STUTTGART/UNIVERSITY OF STUTTGART	UniS
MANCHESTER CITY COUNCIL	MCC
THE MANCHESTER METROPOLITAN UNIVERSITY	MMU
THE UNIVERSITY OF MANCHESTER	UNIMAN
SIEMENS PUBLIC LIMITED COMPANY	SIEMENS
CLICKS AND LINKS LTD	CL
GEMEENTE EINDHOVEN/CITY OF EINDHOVEN	EIN
STICHTING WOONBEDRIJF SWS HHVL	WB
TECHNISCHE UNIVERSITEIT EINDHOVEN/TECHNICAL UNIVERSITY OF EINDHOVEN	TU/e
STRIJPS ONTWIKKELING BV	VW
KONINKLIJKE KPN NV	KPN
STAVANGER KOMMUNE/CITY OF STAVANGER	SK
GREATER STAVANGER ECONOMIC DEVELOPMENT AS	GS
ROGALAND FYLKESKOMMUNE	Rogfk
UNIVERSITETET I STAVANGER/UNIVERSITY OF STAVANGER	UiS
LYSE ENERGI AS	LYSE
INSTITUT PLANOVANI A ROZVOJE HLAVNIHO MESTA PRAHY	IPR
AJUNTAMENT DE SABADELL/CITY OF SABADELL	AJSAB
STADT LEIPZIG/CITY OF LEIPZIG	Lpz
TÜV SÜD ImmoWert GmbH	TÜV SÜD



## List of Abbreviations

Chief Executive Officer	CEO
Community Research and Development Information Service	CORDIS
Dissemination & Communication	D&C
Deliverable	Del
Description of Action	DoA
European Commission	EC
European Innovation Partnership on Smart Cities and Communities	EIP-SCC
Partner and Project Management Tool	EMDESK
European Union	EU
European Week of Regions and Cities	EUREG
Follower Cities	FC
Fraunhofer IAO	IAO
Grant Agreement	GA
General Assembly	GenA
Horizon 2020 funding programme from the European Commission	H2020
International Council for Local Environmental Initiatives	ICLEI
Information and communication technology	ICT
Internet of Things	IoT
Innovation & Networks Executive Agency - European Commission	INEA
Lighthouse Cities	LHC
Steering Committee	SC
Smart Cities and Communities	SCC1
Smart City Expo World Congress	SCEWC
Smart Cities Information System	SCIS
Work Package	WP



# 1 Deliverable description

This document delivers an overview of the events organised or participated in within M49-60 of the Triangulum project by the entire consortium. It is related to Task 7.5 “Event participation (for networking, presentation, stand; including presentations)” of work package 7 “Dissemination and Communication” and constitutes Deliverable 7.5 “Event participation (4)”. Please see page 2, section “DoA” for a description of the task.

This is the fifth and final version of the deliverable “Event Participation”. It has been updated every year (M12, 24, 36, 48, 60).



## 2 Realisation of the Deliverable

Deliverable 7.5 provides an overview of the events organised or participated in within M49-60 of the Triangulum project by the entire consortium. It contains an overview of:

- Conferences organised
- Workshops organised
- Other events organised
- Participation in activities organised jointly with other H2020 project(s)
- Participation to conferences
- Participation to workshops
- Presentations
- Exhibitions
- Participation to events other than a conference or workshop

### Reporting tool:

The project partners use the tool EMDESK to report their event related dissemination activities. This allows the work package leader SEZ to get a good overview of the event activities of the partners and especially on their role in the events. Additionally, monthly telephone conferences of the D&C Secretariat help to complement missing information and to clarify details.

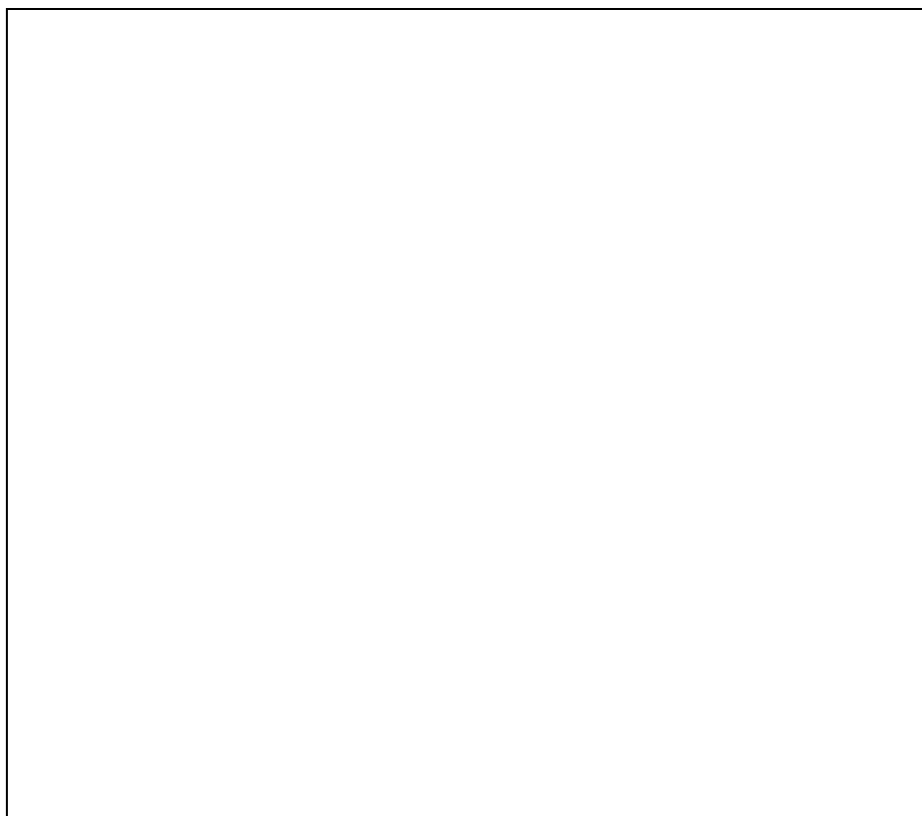


Figure 1: Screenshot of reporting tool EMDESK



### 3 Overview of Events

From M49 to M60 of the project, the Triangulum project partners have organised and participated in multiple events. In total, 183 events and meetings have been reported for the fifth project year, comprising:

- 7 Organisations of a Conferences
- 27 Organisations of Workshops
- 7 Other events organised (including webinars)
- 12 Exhibitions
- 2 Pitch events
- 2 Trainings
- 10 Participations in activities organised jointly with other H2020 project(s)
- 21 Participations to conferences
- 13 Participations to workshops
- 37 Participations to an event other than a conference or workshop
- 46 Presentations

Overall, an estimated audience of approximately 45,000 persons was reached by all event related dissemination activities.

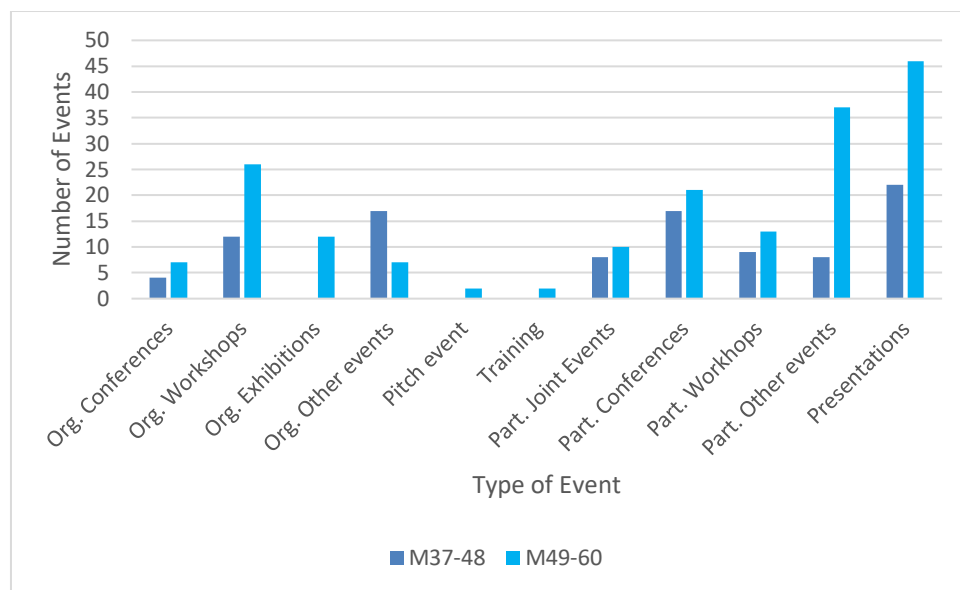


Figure 2: Comparison of events between reporting periods M49-60 vs. M37-48

→ Please find the full list of events in the period from 01.02.2019-31.01.2020 in the Annex.



### 3.1. Event Highlights

In the following section, several event highlights of the past year (02/2019-01/2020) with an active involvement of Triangulum partners are presented which were very well received by the participants (see Annex).

- **Smart Cities and Communities: Impact Monitoring and Assessment Exchange Workshop, Manchester, UNITED KINGDOM, 7 March 2019**

The 14 Smart Cities and Communities projects are monitoring and assessing the impacts of interventions in cities across Europe in order to provide evidence that will support wider uptake and replication. Therefore, Triangulum's WP2 leader University of Manchester organised a workshop to share learning and to drive optimal monitoring and assessment activities, as the projects originally funded in 2015 are now entering their fifth and final year, whilst the latest projects of the programme have now begun.

The Impact Monitoring and Assessment Exchange was held on 7 March 2019 by Triangulum and the Manchester Urban Institute at the University of Manchester. A total of 17 participants attended with five of the SCC projects represented: Remourban, Replicate, Sharing Cities, IRIS and Triangulum.

The workshop was aimed at colleagues responsible for monitoring and assessing impacts in the SCC Lighthouse projects, as well other key stakeholders and interested parties. It provided an opportunity to exchange approaches to monitoring and assessing impacts, and to discuss challenges and opportunities. The goals were to share best practice among the SCC Lighthouse projects and develop a shared agenda. The workshop was small and interactive to facilitate sharing ideas and expertise. Key topics were communicated in advance with attendees to focus the exchanges.

Further information: <https://www.triangulum-project.eu/?p=3872>

Role of Triangulum: The workshop was organised and held by Triangulum's WP2 with main inputs from University of Manchester partners James Evans, Kelly Watson, Joe Rees and Ettore Murabito. Moreover, the following Triangulum partners participated in the workshop: Martine Tommis from Manchester City Council and Damian Wagner from Fraunhofer IAO.





Figure 3. James Evans presenting at the workshop (Credits: Triangulum)

- **Webinar “Green Mobility, City Visualisation and IoT (Follower City Sabadell Focus)” on 14 May 2019**

The webinar took place on 14 May at 10 AM as the second webinar in the Triangulum Webinar series of 2019 with a focus on the needs of the Follower Cities Prague, Sabadell and Leipzig and as the first public one of this series. Prague held a consortium-internal webinar on 14 March 2019 where they gathered the majority of Triangulum partners in a virtual webinar room to discuss some specific Prague-related topics.

The focus of the Sabadell webinar was on green mobility, especially with respect to schools, city visualisation and IoT (Internet of Things). The speakers were thus Mark Cox from the City of Eindhoven to talk about green mobility and how biking is done in the Netherlands. Moreover, Vin Sumner, the CEO of PixelMill (formerly Clicks & Links), talked about city visualisation technologies by referring to the many benefits of virtual reality and teaching us about how digital twins support city development. Finally, Adrian Slatcher from the Manchester City Council presented the topic of IoT (Internet of Things) explaining what it is and why the human element plays a crucial role in anything IoT related. A recording of the webinar can be found at our [webinar section](#) as well as at our [YouTube channel](#).

- **Stavanger Triangulum Event, Stavanger, Norway, 23 May 2019**

On 23 May, Lighthouse City Stavanger hosted a local event called “Triangulum – what is it and what has it meant for our region?” Seventy participants from the public and private sector such as the Mayor, politicians, researchers, directors, leaders and employees from the local partner organisations attended the half-day conference about the effects Triangulum has had on Stavanger. The key message was that Triangulum gave the city confidence to become a Smart City and that it has created European market possibilities for local solutions.

The Stavanger partners presented their demonstrations and the positive effects Triangulum has caused in their organisations. A dedicated “Project Leader Square” helped participants to easily get into a dialogue with the Triangulum partners during coffee breaks and after the event.



On stage were the directors of the five Triangulum partner organizations and the Mayor of Stavanger. Their shared message was that Triangulum has meant a great deal for all partners in different ways.

The aim of the conference was to tell a shared story about the positive effects Triangulum has had on Stavanger and beyond. The feedback from the event tells us that Stavanger has achieved its goal.

Further information: <https://www.triangulum-project.eu/?p=4178>

#### Role of Triangulum:

The event was organised and held by the local Stavanger partners of Triangulum. The following partners were represented: City of Stavanger, Greater Stavanger, University of Stavanger, Rogaland County Council, LYSE.



Figure 4. Local Stavanger Event (Credits: City of Stavanger)

- **“Energising Cities: Innovations, Challenges & Solutions” Triangulum International Conference, Stavanger, Norway, 23 September 2019**

On 23 and 24 September, Triangulum celebrated its international conference “Energising Cities: Innovations, Challenges & Solutions” in Stavanger, Norway, merging into the Nordic Edge Expo & Conference 2019. The event was a great success with overall 185 participants and 25 speakers from all over Europe. All work packages, cities and all project partners were represented at the international conference with several representatives.

Further information: <https://www.triangulum-project.eu/?p=4425>



### Role of Triangulum:

The international conference was organised by Triangulum and is one part of the three final events of Triangulum, as summarized in more detail in Deliverable D7.20.

Tone Grindland of NHO Rogaland, who was closely involved in the proposal writing phase of Triangulum several years ago, moderated the conference. In the morning, the Mayor of Stavanger, Christine Sagen Helgø gave a very warm welcome to the international audience, talking about how Triangulum has shaped Stavanger and its smart city ambitions. Project Coordinator Trinidad Fernandez then kicked off the event by presenting the project's objectives and ambitious targets. There were two key notes, one of which was given by Steve Turner, one of the founding fathers of Triangulum, now working as Digital Cities Lead at Arup in Triangulum's Lighthouse City Manchester.

In the afternoon, in four interactive sessions, the Triangulum city coordinators, technical partners, replication experts and especially invited external professionals delved into the outcomes but also discussed the challenges of our innovative implementations and their impact on the sustainable development of cities. The interactive sessions focused on the four topics climate change, governance, citizen engagement and investment & replication. The moderators of these sessions were the Triangulum project partners Gerd Seehuus (City of Stavanger), Oriol Llevot (City of Sabadell), Henk Kok (City of Eindhoven) and Damian Wagner (formerly Project Coordinator). As speakers, the following Triangulum partners were involved: Ivan Hewlett (Siemens Manchester), Dujuan Yang (Technical University of Eindhoven), Nadja Riedel (City of Leipzig), Mieke van Schaik (City of Eindhoven), Adam Pajgrt (IPR Prague), Marieke van den Wijngaard (Woonbedrijf) and Sonja Stöffler (University of Stuttgart).

During coffee and lunch breaks, participants were invited to experience live and hands-on presentations of the different Triangulum solutions as part of the Innovation Marketspace. The following solutions and partners were displayed:

- Marieke van den Wijngaard of Woonbedrijf showcased the WoonConnect app that allows tenants to take charge of their own house renovations,
- Per Fjeld, Dagfinn Wage and Birger Clementsen of LYSE AS presented the Blink video solution,
- Laura Hefler of PixelMill (formerly Clicks&Links) invited participants to have a seat on their Virtual Reality bike,
- Eliana Uribe, Coordinator of Morgenstadt, showcased the Smart City Network.

On Tuesday, 24.09., Triangulum merged into the official Nordic Edge Expo & Conference by co-organising the session “On a Mission for the European Cities of the Future – Achievements, Challenges, Opportunities”, as described below in the paragraph about the Nordic Edge.





Figure 5. Triangulum Conference at Atlantic Hall Stavanger (Credits: Steinbeis-Europa-Zentrum)



Figure 6. Interactive Session on Replication & Investment with Session Chair Damian Wagner on the left, followed by Sonja Stöffler from University of Stuttgart, Øyvind Schanche from 4D Venture Capital Management AS and Georg Houben from DG Energy (Credits: Steinbeis-Europa-Zentrum)





Figure 7. International Conference Participant testing PixelMill's Virtual Reality Bike (Credits: Steinbeis-Europa-Zentrum)

- **Nordic Edge Expo and Conference 2019, Stavanger, Norway, 24 - 26 September 2019**

From 24-26 September 2019, the fifth Nordic Edge Expo & Conference took place in Triangulum's Lighthouse City Stavanger, Norway. The Nordic Edge Expo is the one number one place in the Nordics for the Smart City community to exchange knowledge, network and create new business opportunities. This annual event is thus the ideal meeting place for the Triangulum partners but also for the project partners of the entire Horizon 2020 Smart Cities and Communities programme. 4500 visitors from all across Europe and beyond attended the 2019 edition of this three-day event.

Further information: <http://www.nordicedge.org>

Role of Triangulum:

On the first day of the Nordic Edge, Tuesday, 24.09., Triangulum co-organised the session "On a Mission for the European Cities of the Future – Achievements, Challenges, Opportunities" together with Nordic Edge, European Commission, EIP-SCC, SCIS & Stavanger Region European Office. The joint session started with an introduction of the two new SCC1 projects MAKING-CITY and +CityXChange.

Then followed "The Triangulum Journey - 6 Cities and Their Ripple Effects". The goal of this session was to inform about the major outcomes and learnings from five years of Triangulum and to get into an interactive exchange with the two new European Lighthouse Projects as well as the interested audience. The session started with a short pitch by Project Coordinator Trinidad Fernandez (Fraunhofer IAO) informing about what Triangulum is, who the people behind it are and what the project has achieved in five years of being a Smart City project. Kelly Watson (University of Manchester) then talked about the Triangulum monitoring and evaluation methods and outcomes, discussing major impacts Triangulum has had on its six cities and beyond. Then, the session moved to an interactive Panel Discussion, moderated by James Evans (University of Manchester). During this Panel Discussion, Trinidad Fernandez, Kelly Watson, the City



Coordinators of our three Lighthouse Cities Delia Mitcan (City of Eindhoven), Gerd Seehuus (City of Stavanger) and Martine Tommis (Manchester City Council), the City Coordinators of our three Follower Cities Adam Pajgrt (IPR Prague), Nadja Riedel (City of Leipzig) and Oriol Llevot (City of Sabadell) and our replication deputy leader Sonja Stöffler (University of Stuttgart) talked about their major results but also important take aways and learnings.

The third part of this joint session focused on “Horizon Europe – A Mission to deliver the Cities of the Future” organised by the EC, EIP-SCC and SCIS. The session was meant to trigger a targeted dialogue of the European Commission, the EIP-SCC community, the Horizon2020 Lighthouse projects and more core stakeholders on which key mission elements shall be delivered, by whom, by when and with which means.

Additionally, Triangulum was represented with flyers, brochures and personal interactions at the SCIS & EIP-SCC joint stand during all three days of the exhibition.



Figure 8. James Evans from University of Manchester moderating Panel Discussion (Credits: Steinbeis-Europa-Zentrum)

- **Webinar “Governance for Smart Cities - Developing Principles and Guidelines (Follower City Leipzig Focus)” on 30 September 2019**

On 30 September 2019 at 2:30 PM, Triangulum hosted a webinar to support the replication process in its Follower City Leipzig with the title “Governance for Smart Cities – Developing Principles and Guidelines”. Speakers and topics were:

- Delia Mitcan and Mieke van Schaik (City of Eindhoven): Open Data Principles – How it works in Eindhoven



- Adrian Slatcher (Manchester City Council): Good Practice in Using Data in the Smart City

The webinar was a great success with more than 20 participants listening to and learning from the presentations. A recording of the webinar can be found at our [webinar section](#) as well as at our [YouTube channel](#).

- **“From Dream to Reality: Sharing Experiences from Leading European Smart Cities”, Joint Session at European Week of Regions and Cities, Brussels, Belgium, 8 October 2019**

During the European Week of Regions and Cities, Triangulum co-organised together with the other two first Horizon 2020 Smart Cities and Communities projects GrowSmarter and Remourban the session “From dream to reality: sharing experiences from leading European Smart Cities” at which more than 150 participants took part. The goal of this joint session was to present major outcomes and to share lessons learnt from five years of smart city projects in different European regions, focusing on technical as well as political aspects of creating smart cities. The session was divided into three panels: a political panel in which high level politicians from five of the Lighthouse Cities discussed what is needed on an EU level to facilitate successful replication in the future, a project coordinator panel to demonstrate their main achievements in the areas of energy, mobility and ICT, and a technical panel providing detailed insights on the daily work within the cities. As a major outcome of this joint session, the three projects collectively produced [a policy paper](#) to summarize the experiences and the knowledge gained within these five years of smart city implementations. From Triangulum, Trinidad Fernandez from Fraunhofer IAO as the Coordinator of Triangulum and Sonja Stöffler from the University of Stuttgart, responsible for WP6/replication, contributed to this paper. The set of policy recommendations builds upon combined lessons learned to support other EU cities in their transition towards smart and sustainable cities and communities.

Further information: <https://www.triangulum-project.eu/?p=4410>

#### Role of Triangulum:

Triangulum was the co-organiser of this event with main organisational efforts from WP1 (Trinidad Fernandez) and WP7 (Bettina Remmele).

As the Project Coordinator, Trinidad Fernandez was part of the second panel. Stijn Steenbakkens, Alderman for Digital Transformation from the City of Eindhoven participated as a Triangulum representative in the political panel. Delia Mitcan, Site Manager Eindhoven and Gerd Seehuus, Site Manager Stavanger, participated in the technical panel.

Some important quotes from the event:

- “We shared our reflections as first movers of this European Smart Cities and Communities action. Now we are heading in the right direction to make our cities more sustainable and livable, but we also need engaged citizens and committed politicians to make the transition possible.” Trinidad Fernandez, Fraunhofer IAO
- “In Eindhoven, we renovated 50 social houses together with Woonbedrijf, our housing corporation partner that puts the owners into the driver's seat when it comes to energy efficient renovations. Overall, it is important to always re-evaluate one's own plans to check whether they still fit the present conditions.” Delia Mitcan, City of Eindhoven
- “Thanks to Triangulum, we were able to save around 2000 tons of CO2 since 2017 through the development of a central energy plant based on 100% renewable energy from



the city sewer. The plant heats and cools three administrative buildings in Stavanger as well as the city's public swimming pool.” Gerd Seehuus, City of Stavanger

- “When asked how to deal with the new environmental challenges that have arisen in the last years, everyone underlined the need to communicate and engage with people as a precondition for any urban transformation model. We really need to make people aware that climate change is an issue.” Stijn Steenbakkers, City of Eindhoven



Figure 9. “From Dream to Reality” (Credits: Flickr/EUREG)



Figure 10. Stijn Steenbakkers (front row, third from left), Delia Mitcan (fourth from left) and Gerd Seehuus (fifth from left) at the Joint Session (Credits: Flickr/EUREG)





Figure 11. Trinidad Fernandez (second from left) together with Project Coordinators of Remourban, Miguel Ángel García Fuentes (left), and of GrowSmarter Lisa Enarsson and Gustaf Landahl (right) (Credits: Flickr/EUREG)

- **Smart City Expo World Congress, Barcelona, Spain, 19-21 November 2019**

The Smart City Expo World Congress in Barcelona (SCEWC) is one of the largest Smart City events in the world. SCEWC provides a unique meeting point for the Smart City sector and an innovative platform for urban action worldwide. The event for cities organized by Fira de Barcelona, took place from 19-21 November at the Gran Via venue. In its ninth edition, 24.399 visitors attended the event, with representatives from more than 700 cities and 146 countries.

Further information: <http://www.smartcityexpo.com>

**Role of Triangulum:** In 2019, Triangulum joined its 13 sister projects from the Horizon 2020 Smart Cities and Communities European Lighthouse Projects family as well as the two EU initiatives SCIS and EIP-SCC at a large joint stand with various public workshops and three larger Agora sessions to demonstrate how EU funded smart cities are leading the way in driving sustainable and smart innovation. Triangulum was represented Tuesday through Thursday with various partners. As one of the first three ending projects, Triangulum had a special role in several of the workshops and Agora sessions:

Gerd Seehuus, City Coordinator of Stavanger from City of Stavanger spoke as part of the workshop “Nordic Lighthouse Cities – Smart, bold and collaborative”.

Joe Rees from University of Manchester, one of our monitoring and evaluation experts, Sonja Stöffler from University of Stuttgart and replication expert at Triangulum, Gerd Seehuus from City of Stavanger, Oriol Llevot, City Coordinator of our Follower City Sabadell and Project Coordinator Trinidad Fernandez of Fraunhofer IAO participated in the workshop “Impacts beyond the projects”.

The first Agora session was called “From Dream to Reality: Impact of Lighthouse Projects on Cities” and inspired by the joint session at EUREG 2019 on 8 October. It covered Triangulum,



together with the other two soon-to-end projects GrowSmarter and REMOURBAN, showcasing the impact that the solutions had on our cities. Together with the Project Coordinators of the other two projects (Lisa Enarsson from the City of Stockholm on behalf of GrowSmarter and Miguel Ángel García Fuentes from CARTIF Technology Center on behalf of Remourban), Trinidad Fernandez spoke as part of Triangulum. The session was moderated by Jens Bartholmes from DG Energy of the European Commission.



Figure 12. Agora Session with Trinidad Fernandez next to Miguel Ángel García Fuentes of Remourban and Lisa Enarsson of GrowSmarter, moderated by Jens Bartholmes of DG Energy (Credits: Steinbeis-Europa-Zentrum)





Figure 13. Gerd Seehuus from the City of Stavanger speaking at the “Nordic Lighthouse Cities” Workshop (Credits: Triangulum)



Figure 14. “Impacts beyond the projects” Workshop with Joe Rees from the University of Manchester (left), Gerd Seehuus from the City of Stavanger (third from left), Oriol Llevot from the City of Sabadell (third from right)



right), Trinidad Fernandez from Fraunhofer IAO (second right) and Sonja Stöffler from the University of Stuttgart (right) (Credits: Triangulum)

- **Webinar “Citizen Engagement in Positive Energy Districts” on 12 December 2019**

On 12 December 2019 at 2 PM, Triangulum hosted a joint webinar together with the Smart Cities and Communities project +CityXChange on the topic of “Citizen Engagement in Positive Energy Districts”. Speakers and topics were:

- May Endresen (Greater Stavanger): “How to make invisible projects visible for the citizens. The Stavanger Triangulum story”
- Marieke van den Weijngaard (Woonbedrijf, Eindhoven): “Tenants in Charge. Organising it digital”
- Guest speaker from +CityXChange: Kieran Reeve (Limerick City and County Council), “Public Engagement: Do we really engage?”

The webinar was a great success, informing more than 30 participants from all across Europe and from several sister SCC1 projects about experiences from citizen engagement in the different Lighthouse Cities.

A recording of the webinar can be found at our [webinar section](#) as well as at our [Youtube Channel](#).



## 3.2. Event Participation of Local Consortia

The local consortia of the three Triangulum Lighthouse Cities Stavanger, Eindhoven and Manchester have participated in and organised several local events as well. More detailed information about these events can be found in the respective deliverables D3.9 Communication and participation at city level Manchester (5), D4.9 Communication and participation at city level Eindhoven (5) and D5.9 Communication and participation at city level Stavanger (5), all due in M60.

## 3.3. Next steps

As the project is officially ending on 31 January 2020, there will be no further official events organised by the project partners in the name of Triangulum nor will there be any official event attendance of the project partners in the name of Triangulum. However, the project partners will continue to be active in the smart city community (e.g. to represent their city/institution or as part of a follow-up project) and they will thus continue to promote, communicate and disseminate the outcomes of Triangulum in the future.



## 4 Annex: Overview of Events from M49-60

Table 1: List of dissemination activities at events

Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of audience	Size of audience	Countries addressed
<b>Events organised</b>							
<b>Organisation of a conference</b>							
Organisation of a Conference	EIN	Smart Cities-shaping cities based on living labs	22.05.2019	Eindhoven, Netherlands	Scientific community, Industry, Policy makers	50	Indonesia, United States, France, Romania, Netherlands
Organisation of a Conference	GS	Seminar "What is Triangulum and what is the significance for the region"	23.05.2019	Stavanger, Norway	Scientific community, Industry, Civil society, Policy makers, Media, Customers, Other	70	Norway
Organisation of a Conference	EIN	Visit of delegation Shanghai	10.09.2019	Eindhoven, Netherlands	Policy makers	20	Netherlands, China
Organisation of a Conference	IAO, SEZ, UniS, MCC, MMU, UNIMAN, SIEMENS,	International Conference "Energising Cities" Part 1	23.09.2019	Stavanger, Norway	Scientific community, Industry, Civil society, Policy makers, Media,	118	Norway, Germany, United Kingdom, Spain, Czech



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of audience	Size of audience	Countries addressed
	CL, EIN, WB, TU/e, VW, KPN, SK, GS, Rogfk, UiS, LYSE, IPR, AJSAB, Lpz, TÜV SÜD				General Public, Other		Republic, Netherlands,
Organisation of a Conference	EIN	Smart City Congress	26.09.2019	Rotterdam, Netherlands	Industry, Policy makers	15	Netherlands
Organisation of a Conference	Lpz	Project Presentation at Digitalkonferenz (in-house conference City of Leipzig + L-Group)	27.09.2019	Leipzig, Germany	Policy makers, Other	73	Germany
Organisation of a Conference	MCC	Energising Manchester - Triangulum Showcase	21.01.2020	Manchester, United Kingdom	Scientific community, Industry, Civil society, Policy makers, Media, Investors	80	United Kingdom



Organisation of a workshop							
Organisation of a Workshop	EIN	Living Mobility Congress	16.04.2019	Zwolle, Netherlands	Industry, Policy makers	100	Netherlands
Organisation of a Workshop	Lpz	Regional Smart City Exchange (incl. SCC1 Match-Up)	17.04.2019	Prague, Czech Republic	Other	10	Germany
Organisation of a Workshop	SEZ, MCC, CL, TU/e, AJSAB	Webinar Post-M36 Sabadell Focus <a href="https://youtu.be/kM7jJILbGG4">https://youtu.be/kM7jJILbGG4</a>	14.05.2019	online	Scientific community, Industry, Civil society, Policy makers	30	Europe
Organisation of a Workshop	EIN	Presentation and guided tour	16.05.2019	Eindhoven, Netherlands	Policy makers	15	Netherlands
Organisation of a Workshop	Lpz	Project Presentation at Digitalkomplizen (in-house conference incl. city council)	04.06.2019	Leipzig, Germany	Policy makers, Other	64	Germany
Organisation of a Workshop	EIN	ITS congress	21.06.2019	Eindhoven, Netherlands	Scientific community, Industry, Policy makers	25	Netherlands, Germany, Luxembourg
Organisation of a Workshop	EIN	iTender workshop	12.09.2019	Leipzig, Germany	Industry, Policy makers	20	Germany



Organisation of a Workshop	TU/e, VW, Lpz	Leipzig iCity Tender Workshop	12.09.2019	Leipzig, Germany	General Public	10	Germany
Organisation of a Workshop	EIN	iCity Tender workshop	18.09.2019	Sabadell, Spain	Industry, Policy makers	20	Spain
Organisation of a Workshop	IAO, SEZ, UniS, MCC, UNIMAN, EIN, SK, IPR, AJSAB, Lpz	International Conference "Energising Cities" Part 2	24.09.2019	Stavanger, Norway	Scientific community, Industry, Policy makers, Media, Other	68	Norway, Germany, United Kingdom, Spain, Czech Republic, Netherlands,
Organisation of a Workshop	SEZ, MCC, EIN, Lpz	Webinar Post M36 - Leipzig Focus	30.09.2019	online	Scientific community, Civil society, Policy makers, Media	20	Europe
Organisation of a Workshop	IAO, SEZ, UniS, MCC, EIN, SK	"From Dream to Reality" Joint session at EUREG 19	08.10.2019	Brussels, Belgium	Scientific community, Industry, Policy makers, Media, Investors, Other	150	Europe
Organisation of a Workshop	UNIMAN	SCISsues, barriers and up coming solutions: Talk	15.10.2019	Prague, Czech Republic	Scientific community	10	United Kingdom, Netherlands, Norway



Organisation of a Workshop	IAO, Lpz	FCIS Workshop Leipzig in Prague incl/ SCC1 Project SPARCS	16.10.2019	Prague, Czech Republic	Scientific community, Policy makers, Other	14	Germany, Czech Republic
Organisation of a Workshop	MCC	CityGML Challenge with Ordnance Survey	24.10.2019	Manchester, United Kingdom	Scientific community	15	United Kingdom
Organisation of a Workshop	EIN	Study meeting H2020cities	28.10.2019	Eindhoven, Netherlands	Policy makers	7	Netherlands
Organisation of a Workshop	EIN	iCity Tender workshop, Prague	30.10.2019	Prague, Czech Republic	Industry, Policy makers	20	Czech Republic
Organisation of a Workshop	MCC	Innovate4Manchester - Innovation Event Part2	07.11.2019	Manchester, United Kingdom	Scientific community, Industry, Civil society, Policy makers, Media	3	United Kingdom
Organisation of a workshop	AJSAB	EU Triangulum project implementation in Sabadell: Final workshop with local and "lighthouse city" stakeholders, 18th November 2019	18.11.2019	Sabadell, Spain	Scientific community, Industry, Civil society, Policy makers, Media	61	Spain
Organisation of a Workshop	MCC, SIEMENS	MCC Low Carbon Group Workshop Siemens PLC	25.11.2019	Manchester, United Kingdom	Industry, Civil society	21	Europe
Organisation of a Workshop	MCC, SIEMENS	Corridor Partners Workshop Siemens PLC	25.11.2019	Manchester, United Kingdom	Industry, Civil society	26	Europe



Organisation of a Workshop	MCC	Innovate4Manchester - a collaborative event that aims to address some of the most pressing concerns we face on energy and mobility in Manchester in partnership with Ordnance Survey	26.11.2019	Manchester, United Kingdom	General Public	30	United Kingdom
Organisation of a Workshop	MCC	Innovate4Manchester Innovation Challenge Part1	27.11.2019	Manchester, United Kingdom	Scientific community, Industry, Civil society, Policy makers, General Public	30	Europe
Organisation of a Workshop	MCC	Innovate4Manchester – follow up event on developing value proposition	04.12.2019	Manchester, United Kingdom	General Public	3	United Kingdom
Organisation of a workshop	AJSAB	Implementation of one the Sabadell FCIS actions at schools (Promotion of maker spaces) <a href="https://twitter.com/sbdinnovacio/status/1214930889421012993">https://twitter.com/sbdinnovacio/status/1214930889421012993</a>	31.12.2019	Sabadell, Spain	Civil society	240	Spain
Organisation of a Workshop	SEZ, WB, GS	Webinar Post-M36 about Citizen Engagement	07.01.2020	online	Scientific community, Industry, Civil society, Other	40	Europe



Organisation of a Workshop	SEZ, UNIMAN, TU/e	Webinar “The Wider Impacts of Triangulum”	28.01.2020	online	Scientific community, Industry, Civil society, Policy makers, General Public	27	Europe
Organisation of an event other than a conference or workshop	LYSE	European Commission trainees visit to Rogaland county	06.06.2019	Lysebotn power plant, Norway	Scientific community, Industry	14	Europe
Organisation of an event other than a conference or workshop	EIN	Presentation and guided tour	16.05.2019	Eindhoven, Netherlands	Policy makers	15	Netherlands
Organisation of an event other than a conference or workshop	GS	Study tour	12.06.2019	London, United Kingdom	Other	20	Norway, United Kingdom
Organisation of an event other than a conference or workshop	EIN	Visit of delegation Shanghai, presentation	10.09.2019	Eindhoven, Netherlands	Policy makers	20	China
Organisation of an event other than a conference or workshop	GS	Delegation meeting with representatives from Städtetag Baden- Württemberg	23.09.2019	Stavanger, Norway	Policy makers	10	Germany, Norway
Organisation of an event other than a conference or workshop	MCC	United Kingdom Smart Cities Group Meeting – telco for United Kingdom Smart Cities / Lighthouse Cities	13.11.2019	online	Policy makers	13	United Kingdom



Organisation of an event other than a conference or workshop	IPR	"The culture of work and relationships in urban development: or how great a driving force is our approach and thinking"	22.01.2020	Prague, Czech Republic	Scientific community, Civil society, General Public, Other	60	Czech Republic
Pitch event	UNIMAN	Smart City University of Manchester Alumni event	26.02.2019	London, United Kingdom	Industry, Policy makers	20	United Kingdom, Europe
Pitch event	Lpz	Presentation + Topic Owner Climathon Leipzig	25.10.2019	Leipzig, Germany	General Public	40	Germany
Training	UNIMAN	Governing Urban Transformations Lecture	26.03.2019	Manchester, United Kingdom	Other	100	United Kingdom
Training	UNIMAN	Leadership in Action Lecture: smart cities	01.11.2019	Manchester, United Kingdom	Other	250	United Kingdom
Exhibition	IPR	Opening of interactive exhibition Urbania: Become the heartbeat of the city - dissemination event summarizing the key learnings of Prague of Triangulum	16.01.2020	Prague, Czech Republic	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Investors, Customers, Other	250	Czech Republic, Slovakia
Exhibition	IPR	Interactive exhibition Urbania: Become the heartbeat of the city -	17.01.2020 – 15.02.2020	Prague, Czech Republic	Scientific community, Industry, Civil	410	Czech Republic, Slovakia



		dissemination event summarizing the key learnings of Prague of Triangulum			society, Policy makers, Media, General Public, Investors, Customers, Other		
Exhibition	MCC	Clean Air Day - Stand Manchester	20.06.2019	Manchester, United Kingdom	General Public	100	United Kingdom
Exhibition	MCC	Bike and Electric Vehicle Roadshow - Clean Air Day - eBike try event	20.06.2019	Manchester, United Kingdom	General Public	30	United Kingdom
Exhibition	MCC	British Irish Council Summit. Stand	27.06.2019	Manchester, United Kingdom	Policy makers	200	United Kingdom
Exhibition	MCC	Clean Air for Manchester Launch. Stand	18.09.2019	Manchester, United Kingdom	Industry, Policy makers	50	United Kingdom
Exhibition	MCC	Smarter Tomorrow event - Exhibition Centre	23.10.2019	Liverpool, United Kingdom	Policy makers	200	United Kingdom
Exhibition	MCC	CityX, The Connected Places Business Expo Connected Places Catapult	14.11.2019	Innovation Centre, London, United Kingdom	Policy makers	200	United Kingdom, Europe
Exhibition	UNIMAN	British Irish Council Summit	27.06.2019	Manchester, United Kingdom	Policy makers	200	United Kingdom,



Exhibition	UiS	Ningbo Smart City Expo	06.09.2019	Ningbo, China	Scientific community, Industry, Media, General Public	3,700	World
Exhibition	AJSAB	Participation of the Triangulum partner "Clicks & Links" in the new technology dissemination fair "Sabatic" in Sabadell, 2018 and 2019 edition, showing a real demo of the VR bike implemented under Triangulum	07.09.2019	Sabadell	General Public	2,000	Spain,
Exhibition	UNIMAN	Clean Air for Manchester Launch.	18.09.2019	Manchester, United Kingdom	Scientific community, Industry, Civil society, Policy makers	85	United Kingdom



Events participated							
Participation in activities organised jointly with other H2020 project(s)							
Participation in activities organised jointly with other H2020 project(s)	IAO, SEZ	European Smart Projects Summit San Sebastián	26.03.2019	San Sebastian, Spain	Scientific community, Industry, Policy makers, Media	234	Europe
Participation in activities organised jointly with other H2020 project(s)	IAO, SEZ, UniS, MCC, UNIMAN, EIN, SK, IPR, AJSAB, Lpz	International Conference "Energising Cities" Part 2	24.09.2019	Stavanger, Norway	Scientific community, Industry, Policy makers, Media, Other	68	Norway, Germany, United Kingdom, Spain, Czech Republic, Netherlands,
Participation in activities organised jointly with other H2020 project(s)	IAO, SEZ, UniS, MCC, MMU, UNIMAN, SIEMENS, CL, EIN, WB, TU/e, VW, KPN, SK, GS, Rogfk, UiS, LYSE, IPR, AJSAB, Lpz	Nordic Edge 2019	24.09.2019	Stavanger, Norway	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Investors, Other	5,000	Europe
Participation in activities organised jointly with other H2020 project(s)	EIN, SK	European Week of Cities and Regions	08.10.2019	Brussels, Belgium	Policy makers	50	Europe



Participation in activities organised jointly with other H2020 project(s)	IAO, SEZ, UniS, MCC, EIN, SK	"From Dream to Reality" Joint session at EUREG 19	08.10.2019	Brussels, Belgium	Scientific community, Industry, Policy makers, Media, Investors, Other	150	Europe
Participation in activities organised jointly with other H2020 project(s)	IAO, SEZ, UniS	Smart Cities & Communities Lighthouse network event Lyon	17.10.2019	Lyon, France	Scientific community, Industry, Policy makers, Media	240	Europe
Participation in activities organised jointly with other H2020 project(s)	MCC	SCC1 conference about the challenges facing urban data platforms, and what is needed to improve and align European platforms - Smart Cities & Communities Lighthouse network event	18.10.2019	Lyon, France	Industry	150	Europe
Participation in activities organised jointly with other H2020 project(s)	MCC	United Kingdom Smart Cities Group Meeting	13.11.2019	online	Civil society	15	United Kingdom
Participation in activities organised jointly with other H2020 project(s)	MCC	Smart Cities Expo – UNIMAN hosted a panel to discuss the wider project learning and development, at the Barcelona Smart City Expo with panel members from Triangulum	19.11.2019	Barcelona, Spain	Scientific community	10	Europe, Worldwide
Participation in activities organised jointly with other	IAO, SEZ, UniS,	SCEWC Barcelona 2019	19.11.2019	Barcelona, Spain	Scientific community,	17,500	Europe



H2020 project(s)	UNIMAN, SK, AJSAB				Industry, Civil society, Policy makers, Media, General Public, Investors, Customers, Other		
<b>Participation to a conference</b>							
Participation to a conference	IAO	Covenant of Mayors Investment Forum - Energy Efficiency Finance Market Place	19.02.2019	Brussels, Belgium	Industry, Policy makers, Investors	600	Europe
Participation to a conference	MCC	Smart Energy Partnership Manchester – hosted by Innovate UNITED KINGDOM - Smart Systems and Heat– a new approach to decarbonising heat	26.03.2019	Manchester, United Kingdom	Scientific community, Industry, Civil society, Policy makers, General Public	35	United Kingdom
Participation to a conference	MCC	How will smarter cities change our lives? A discussion followed by a question and answer session for members of the public	02.04.2019	Manchester, United Kingdom	General Public	100	United Kingdom
Participation to a conference	UiS	2nd Digital China Summit	06.05.2019	Fuzou, China	Scientific community, Industry, Policy makers, Media,	1,650	World



					General Public		
Participation to a conference	IAO	EIP General Assembly	16.05.2019	Brussels, Belgium	Policy makers	300	Europe
Participation to a conference	UiS	3rd World Intelligent Congress	16.05.2019	Tianjin, China	Scientific community, Industry, Policy makers, Media	500	World
Participation to a conference	IAO	ICCA 2019 International Conference on Climate Action	22.05.2019	Heidelberg, Germany	Scientific community	1,000	Europe
Participation to a conference	LYSE	What is Triangulum and what impact has it had in the Stavanger region?	23.05.2019	Stavanger, Denmark	Scientific community, Industry, Civil society, Policy makers, Media, Investors	52	Norway
Participation to a conference	IPR, UniS	URBIS Smart City Fair 2019	05.06.2019	Brno, Czech Republic	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Investors	499	Czech Republic, Slovakia (Slovak Republic), Europe



Participation to a conference	EIN	ITS congress	21.06.2019	Eindhoven, Netherlands	Scientific community, Industry, Policy makers	25	Netherlands, Germany, Luxembourg
Participation to a conference	MCC	EV Summit 2019, Oxford - electric vehicles, energy, and information technology and charging infrastructure	26.06.2019	Oxford, United Kingdom	Scientific community, Industry, Investors	300	United Kingdom
Participation to a conference	MCC	Smarter Power Grid Forum conference	11.07.2019	London, United Kingdom	Industry, Policy makers	200	United Kingdom
Participation to a conference	UiS	IEEE Smart IoT 2019	09.08.2019	Tianjin, China	Scientific community	150	World
Participation to a conference	MCC, Siemens	United Kingdom Energy Storage Conference	03.09.2019	Newcastle, United Kingdom	Policy makers	300	United Kingdom
Participation to a conference	EIN	Smart City Congress	26.09.2019	Rotterdam, Netherlands	Industry, Policy makers	15	Netherlands
Participation to a conference	UNIMAN	Urban Experiments: Keynote at Eco-Cities symposium	10.10.2019	Sheffield, United Kingdom	Scientific community	50	United Kingdom
Participation to a conference	UNIMAN	Empowering Smart Cities: Keynote at Smartline	08.11.2019	Truro, United Kingdom	Scientific community, Industry, Civil society, Policy makers	75	Europe



Participation to a conference	FhG	Morgenstadt Meeting	18.11.2019	Barcelona, Spain	Industry, Policy makers, investors	50	Peru, India, Mexico, Chile, Europe
Participation to a conference	FhG	Presentation at the Open Source Lab	04.12.2019	Berlin	Scientific community, Industry, Civil society	50	Germany
Participation to a conference	EIN	Woman4Energy, presentation	09.12.2019	Stuttgart, Germany	Industry, Policy makers	100	Germany, Europe
Participation to a conference	UNIMAN	SCC conference Urban Data Platforms, what's next? Talk	07.01.2020	Lyon, France	Scientific community, Policy makers	100	Europe
<b>Participation to a workshop</b>							
Participation to a workshop	IPR	RUGGEDISED Smart Cities and Communities replication workshop	05.06.2019	Brno, Czech Republic	Scientific community, Industry, Civil society	71	Europe
Participation to a workshop	UNIMAN	Greater Manchester Combined Authority: Energy and buildings task group	11.06.2019	Manchester, United Kingdom	Scientific community, Industry, Policy makers	30	United Kingdom
Participation to a workshop	MCC	Westminster Transport Event	10.07.2019	London, United Kingdom	Policy makers	100	United Kingdom, Europe



Participation to a workshop	MCC	Association for Public Service Excellence (APSE) seminar on climate change action and energy	12.07.2019	Liverpool, United Kingdom	Industry, Policy makers	200	United Kingdom
Participation to a workshop	MCC	Chapel St East Consultation, Salford, GM. Consultation event with VR Bike as innovative part of consultation process with a purpose-built 3D model. Salford City Council to discuss plans for the work to be carried out	28.08.2019	Salford, United Kingdom	General Public	25	United Kingdom
Participation to a workshop	MCC	eCargo Bike Empowerment Workshop- Cycle Logistics Ahead – EC funded project – demonstration session and presentations	30.10.2019	30	Industry	50	United Kingdom
Participation to a workshop	LYSE	Blink demo at Sabadell workshop	18.11.2019	Sabadell, Spain	Scientific community, Industry, Civil society, Policy makers	50	Europe
Participation to a workshop	UNIMAN	Smart city challenges and achievements	18.11.2019	Sabadell, Spain	Scientific community, Policy makers	30	Spain, Czech Republic, Netherlands, Germany



Participation to a workshop	Lpz	participation B.Ginzel in Dialogplattform Smart Cities Germany	29.11.2019	Berlin, Germany	Scientific community, Policy makers, Other	53	Germany
Participation to a workshop	FhG	Founding member of DIN SPEC 91397, "Guideline for the implementation of a neighborhood management system"	06.12.2019	Berlin, Germany	Scientific community, Industry, Civil society	27	Germany
Participation to a workshop	UNIMAN	Smart campus development, Keynote at SUSTAINLAB, Södertörn University	07.01.2020	Stockholm, Sweden	Scientific community	60	Sweden
Participation to a workshop	MCC	Power Network analysis workshop	05.09.2020	Manchester, United Kingdom	Scientific community	8	United Kingdom
Participation to a workshop	MCC	Cargo Bike Empowerment Workshop - EU funded project CycleLogistics Ahead has developed this FREE half-day workshop, aimed at transport staff, Local Authorities and businesses.	30.10.2019	Manchester, United Kingdom	Industry, Civil society, Policy makers	50	United Kingdom
<b>Participation to an event other than a conference or workshop</b>							
Participation to an event other than a conference or workshop	MCC	Delegates from the Japanese Ministry of Land, Infrastructure, Transport and Tourism	04.02.2019	Manchester, United Kingdom	Other	3	United Kingdom, Japan



Participation to an event other than a conference or workshop	MCC, MMU	South Korean Inward Investment - Department for International Trade (DIT) hosted an inward delegation from South Korea	18.02.2019	Birley Energy Centre, Manchester, United Kingdom	Other	8	United Kingdom, South Korea
Participation to an event other than a conference or workshop	MCC, Siemens, MMU	Russian Trade visit – “Innovative Technologies in Urban Infrastructure” Trade Russia Visit	19.02.2019	Manchester, United Kingdom	Investors	10	United Kingdom, Russia
Participation to an event other than a conference or workshop	MCC, MMU	Connectivity and Energy management in Smart City: The Triangulum Experience, presentation	15.03.2019	New Jersey, USA	Scientific community	40	USA
Participation to an event other than a conference or workshop	MCC, UNIMAN	Governing Urban Transformation Lecture, University of Manchester	26.03.2019	Manchester, United Kingdom	Scientific community	90	United Kingdom
Participation to an event other than a conference or workshop	MCC, CL, MMU	Innovation Challenge #2 Joint initiative CL and MMU to present Triangulum data and opportunities for innovate	28.03.2019	Manchester, United Kingdom	Scientific community	15	United Kingdom
Participation to an event other than a conference or workshop	MCC	Delegates from the Jeonnam Provincial Government, Republic of Korea, presentation	09.05.2019	Manchester, United Kingdom	Policy makers	5	United Kingdom, South Korea



Participation to an event other than a conference or workshop	MCC	Smart campus development, Keynote at SUSTAINLAB	16.05.2019	Stockholm, Sweden	Scientific community	50	Europe
Participation to an event other than a conference or workshop	FhG	Participation at the EIP SCC general assembly in Brussels, 16-17.05.2019	16.05.2019	Brussels, Belgium	Scientific community, Industry, Civil society, Policy makers, Media	100	Europe
Participation to an event other than a conference or workshop	MCC	Open Geospatial Consortium (OGC) CityGML Hackathon	11.06.2019	London, United Kingdom	Investors	50	United Kingdom
Participation to an event other than a conference or workshop	MCC	Smart City Delegation from Tartu City, Estonia, presentation	15.06.2019	Tartu, Estonia	Other	2	United Kingdom, Estonia
Participation to an event other than a conference or workshop	MCC	Case study - Manchester China Forum Investment Portfolio - The Investment Portfolio documents the investment opportunities	24.06.2019	Manchester, United Kingdom	General Public	500	United Kingdom, China
Participation to an event other than a conference or workshop	MCC	Smart Travel – Can big data save our cities? The Sustainable Housing & Urban Studies Unit (SHUSU) Sustainable	26.06.2019	Salford, United Kingdom	Industry	50	United Kingdom



		Transport Futures seminar					
Participation to an event other than a conference or workshop	MCC	Transfer of Technical and Experiential Knowledge In Intelligent Distributed Energy Resources (DER) Management Systems, presentation	11.07.2019	Nigeria	Investors	50	United Kingdom, Nigeria
Participation to an event other than a conference or workshop	MCC, UNIMAN	Greater Manchester Combined Authority: Energy and buildings task group	11.07.2019	Manchester, United Kingdom	Industry, Policy makers	35	United Kingdom
Participation to an event other than a conference or workshop	GS	Environmental Sunday Stand	08.09.2019	Stavanger, Norway	General Public	1	Norway
Participation to an event other than a conference or workshop	MCC	Living Lab: Triangulum Experience Presentations - Vice Chancellor On Igbinedon University	16.09.2019	Nigeria	Scientific community	3	United Kingdom, Nigeria
Participation to an event other than a conference or workshop	MCC	EU China Workshop – Guangzhou Development District, China as part of Greater Manchester Smart Cities delegation. Included	23.09.2019	50	Policy makers	50	Europe, China



		Rome, Bolonga, Mannheim, Barcelona, Lyon, Granada, Guangzhou Government and other Chinese smart cities					
Participation to an event other than a conference or workshop	MCC	Leadership in Action Lecture: smart cities	01.10.2019	Manchester, United Kingdom	Scientific community	250	United Kingdom, Europe
Participation to an event other than a conference or workshop	MCC, Siemens	UNITED KINGDOM100 regional Clean Energy workshops	03.10.2019	Leicester, United Kingdom	Policy makers	75	United Kingdom
Participation to an event other than a conference or workshop	MCC, MMU	Living Lab: Triangulum Experience Presentations - UNITED KINGDOM Power network services Managing Director and Northwest CTO	04.10.2019	Manchester, United Kingdom	Investors	3	United Kingdom
Participation to an event other than a conference or workshop	MCC	Urban Experiments: Keynote at Eco-Cities symposium	10.10.2019	Manchester, United Kingdom	Scientific community	50	United Kingdom
Participation to an event other than a conference or workshop	MCC	SCC1 Monitoring and Assessment - cross project group to improve monitoring and assessment of smart	18.10.2019	Manchester, United Kingdom	Industry	30	United Kingdom, Europe



		city projects and infrastructure - Smart Cities & Communities Lighthouse network					
Participation to an event other than a conference or workshop	MCC	Living Lab: Triangulum Experience Presentations - Malaysian University students	04.11.2019	Manchester, United Kingdom?	Scientific community	50	United Kingdom, Malaysia
Participation to an event other than a conference or workshop	MCC	Energy and Clean Growth in the Northern Powerhouse, Hull <a href="https://npenergyconference.com/">https://npenergyconference.com/</a> Energy Strategy in the North - Energy Systems and Storage Zone	05.11.2019	Hull, United Kingdom	Policy makers	200	United Kingdom
Participation to an event other than a conference or workshop	EIN	Study tour Eckart	07.11.2019	Eindhoven, Netherlands	Industry	5	Netherlands
Participation to an event other than a conference or workshop	MCC	Transtech Awards - Mobility Submission	07.11.2019	London, United Kingdom	Industry, Policy makers, Media	3,000	Europe



Participation to an event other than a conference or workshop	MCC	Empowering Smart Cities: Keynote at Smartline, Turo, UNITED KINGDOM	08.11.2019	Truro, United Kingdom	Industry	100	United Kingdom
Participation to an event other than a conference or workshop	FhG	Panel discussion at the Second Urban Mobility Dialogue in Berlin (Presentation)	13.11.2019	Berlin, Germany	Scientific community, Industry, Civil society, Policy makers, Media	100	Germany
Participation to an event other than a conference or workshop	MCC	UNITED KINGDOM100 regional Clean Energy workshops	15.11.2019	Bristol, United Kingdom	Policy makers	60	United Kingdom
Participation to an event other than a conference or workshop	UNIMAN	Highlights and lessons 5 years on: Panel	21.11.2019	Barcelona, Spain	Scientific community, Policy makers	15	Europe
Participation to an event other than a conference or workshop	MCC	UNITED KINGDOM100 regional Clean Energy workshops – Manchester. UNITED KINGDOM100 is the network for UNITED KINGDOM local authorities, urban, suburban and rural, focused climate and clean energy policy	04.12.2019	Manchester, United Kingdom	Policy makers	70	United Kingdom



Participation to an event other than a conference or workshop	MCC	Foreign and Commonwealth China Office - Head of Sustainable Urban Environments Programme, British Consulate in Guangzhou Serena Tan, Prosperity Programme Manager, British Embassy Beijing. Conducting research across the UNITED KINGDOM and China to better understand how UNITED KINGDOM expertise in technology can be implemented in China climate change and smart city programmes	10.12.2019	Manchester, United Kingdom	Policy makers	4	United Kingdom, China
Participation to an event other than a conference or workshop	MCC	Triangulum included in presentation to Mayor of Haidian District in Beijing - Silicon Valley of China	13.12.2019	Manchester, United Kingdom	Policy makers	4	United Kingdom, China
Participation to an event other than a conference or workshop	EIN	Study tour Eckart, presentation	14.12.2019	Eindhoven, Netherlands	Industry	10	Netherlands
Participation to an event other than a conference or workshop	IPR	"The culture of work and relationships in urban development: or how great a driving force is our approach	22.01.2020	Prague, Czech Republic	Scientific community, Civil society, General Public,	60	Czech Republic



		and thinking”			Other		
Participation to an event other than a conference or workshop	UNIMAN	Governing Smart Cities: keynote at IPR	22.01.2020	Prague, Czech Republic	Scientific community, Industry, Civil society, Policy makers, Media, General Public	75	Czech Republic
<b>Presentations</b>							
Presentation	MCC	Delegates from the Japanese Ministry of Land, Infrastructure, Transport and Tourism	04.02.2019	Manchester, United Kingdom	Other	3	United Kingdom, Japan
Presentation	MCC, MMU	South Korean Inward Investment - Department for International Trade (DIT) hosted an inward delegation from South Korea	18.02.2019	Birley Energy Centre, Manchester, United Kingdom	Other	8	United Kingdom, South Korea
Presentation	MCC, Siemens, MMU	Russian Trade visit – “Innovative Technologies in Urban Infrastructure” Trade Russia Visit	19.02.2019	Manchester, United Kingdom	Investors	10	United Kingdom, Russia
Presentation	MCC	Connectivity and Energy management in Smart City: The Triangulum Experience,	15.03.2019	New Jersey, USA	Scientific community	40	USA



		presentation					
Presentation	MCC	Smart Energy Partnership Manchester – hosted by Innovate UNITED KINGDOM - Smart Systems and Heat– a new approach to decarbonising heat	26.03.2019	Manchester, United Kingdom	Scientific community, Industry, Civil society, Policy makers, General Public	35	United Kingdom
Presentation	UNIMAN	Governing Urban Transformations Lecture	26.03.2019	Manchester, United Kingdom	Other	100	United Kingdom
Presentation	MCC, CL, MMU	Innovation Challenge #2 Joint initiative CL and MMU to present Triangulum data and opportunities for innovate	28.03.2019	Manchester, United Kingdom	Scientific community	15	United Kingdom
Presentation	MCC	How will smarter cities change our lives? A discussion followed by a question and answer session for members of the public	02.04.2019	Manchester, United Kingdom	General Public	100	United Kingdom
Presentation	MCC	Delegates from the Jeonnam Provincial Government, Republic of Korea, presentation	09.05.2019	Manchester, United Kingdom	Policy makers	5	United Kingdom, South Korea



Presentation	MCC, CL, TU/e, AJSAB	Webinar Post-M36 Sabadell Focus <a href="https://youtu.be/kM7jJILbGG4">https://youtu.be/kM7jJILbGG4</a>	14.05.2019	online	Scientific community, Industry, Civil society, Policy makers	30	Europe
Presentation	EIN	presentation and guided tour	16.05.2019	Eindhoven, Netherlands	Policy makers	15	Netherlands
Keynote	MCC	Smart campus development, Keynote at SUSTAINLAB	16.05.2019	Stockholm, Sweden	Scientific community	50	Europe
Presentation	MCC	Open Geospatial Consortium (OGC) CityGML Hackathon	11.06.2019	London, United Kingdom	Investors	50	United Kingdom
Presentation	MCC	Smart City Delegation from Tartu City, Estonia, presentation	15.06.2019	Tartu, Estonia	Other	2	United Kingdom, Estonia
Presentation	MCC	Case study - Manchester China Forum Investment Portfolio - The Investment Portfolio documents the investment opportunities	24.06.2019	Manchester, United Kingdom	General Public	500	United Kingdom, China
Presentation	MCC	Smart Travel – Can big data save our cities? The Sustainable Housing & Urban Studies Unit (SHUSU) Sustainable Transport Futures seminar	26.06.2019	Salford, United Kingdom	Industry	50	United Kingdom



Presentation	MCC	Transfer of Technical and Experiential Knowledge In Intelligent Distributed Energy Resources (DER) Management Systems, presentation	11.07.2019	Nigeria	Investors	50	United Kingdom, Nigeria
Presentation	MCC	Smarter Power Grid Forum conference	11.07.2019	London, United Kingdom	Industry, Policy makers	200	United Kingdom
Presentation	MCC, UNIMAN	Greater Manchester Combined Authority: Energy and buildings task group	11.07.2019	Manchester, United Kingdom	Industry, Policy makers	35	United Kingdom
Presentation	MCC, Siemens	United Kingdom Energy Storage Conference	03.09.2019	Newcastle, United Kingdom	Policy makers	300	United Kingdom
Presentation	EIN	Visit of delegation Shanghai, presentation	10.09.2019	Eindhoven, Netherlands	Policy makers	20	Netherlands, China
Presentation	MCC	Living Lab: Triangulum Experience Presentations - Vice Chancellor On Igbinedon University	16.09.2019	Nigeria	Scientific community	3	United Kingdom, Nigeria
Presentation	IAO, MCC, Siemens, Tu/e, Lpz, EIN, IPR, WB, Rogfk, UniS	Presentations at International Conference "Energising Cities"	23.09.2019	Stavanger, Norway	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Other	118	Europe



Presentation	MCC	EU China Workshop – Guangzhou Development District, China as part of Greater Manchester Smart Cities delegation. Included Rome, Bologna, Mannheim, Barcelona, Lyon, Granada, Guangzhou Government and other Chinese smart cities	23.09.2019	50	Policy makers	50	Europe, China
Presentation	IAO, UniS, MCC, UNIMAN, EIN, SK, IPR, AJSAB, Lpz	International Conference "Energising Cities" Part 2	24.09.2019	Stavanger, Norway	Scientific community, Industry, Policy makers, Media, Other	68	Norway, Germany, United Kingdom, Spain, Czech Republic, Netherlands,
Presentation	SEZ, MCC, EIN, Lpz	Webinar Post M36 - Leipzig Focus	30.09.2019	online	Scientific community, Civil society, Policy makers, Media	20	Europe
Presentation	MCC, Siemens	UNITED KINGDOM100 regional Clean Energy workshops	03.10.2019	Leicester, United Kingdom	Policy makers	75	United Kingdom
Presentation	MCC, MMU	Living Lab: Triangulum Experience Presentations - UNITED KINGDOM Power network services Managing Director and Northwest CTO	04.10.2019	Manchester, United Kingdom	Investors	3	United Kingdom



Presentation	IAO, MCC, EIN, SK	"From Dream to Reality" Joint session at EUREG 19	08.10.2019	Brussels, Belgium	Scientific community, Industry, Policy makers, Media, Investors, Other	150	Europe
Keynote	MCC, UNIMAN	Urban Experiments: Keynote at Eco-Cities symposium	10.10.2019	Manchester, United Kingdom	Scientific community	50	United Kingdom
Presentation	MCC	Smarter Tomorrow event - Exhibition Centre	23.10.2019	Liverpool, United Kingdom	Policy makers	200	United Kingdom
Presentation	Lpz	Presentation + Topic Owner Climathon Leipzig	25.10.2019	Leipzig, Germany	General Public	40	Germany
Presentation	MCC	eCargo Bike Empowerment Workshop- Cycle Logistics Ahead – EC funded project – demonstration session and presentations	30.10.2019	Manchester, United Kingdom	Industry	50	United Kingdom
Presentation	UNIMAN	Leadership in Action Lecture: smart cities	01.11.2019	Manchester, United Kingdom	Other	250	United Kingdom
Presentation	MCC	Living Lab: Triangulum Experience Presentations - Malaysian University students	04.11.2019	Manchester, United Kingdom	Scientific community	50	United Kingdom, Malaysia
Presentation	MCC	Energy and Clean Growth in the Northern Powerhouse, Hull	05.11.2019	Hull, United Kingdom	Policy makers	200	United Kingdom



		<a href="https://npenergyconference.com/">https://npenergyconference.com/</a> Energy Strategy in the North - Energy Systems and Storage Zone					
Keynote	UNIMAN	Empowering Smart Cities: Keynote at Smartline	08.11.2019	Truro, United Kingdom	Scientific community, Industry, Civil society, Policy makers	75	Europe
Keynote	MCC	Empowering Smart Cities: Keynote at Smartline, Turo, UNITED KINGDOM	08.11.2019	Truro, Devon, , United Kingdom	Industry	100	United Kingdom
Presentation	AJSAB	Presentations of the Triangulum project at the Smart City Expo 2018 and 2019 editions, "Diputació de Barcelona" auditorium <a href="https://twitter.com/sbdinnova/status/1197242485724057605">https://twitter.com/sbdinnova/status/1197242485724057605</a>	20.11.2019	Barcelona, Spain	Scientific community, Policy makers	20	Europe
Presentation	FhG	Presentation at the Open Source Lab	04.12.2019	Berlin, Germany	Scientific community, Industry, Civil society	50	Berlin
Presentation	EIN	Woman4energy, presentation	06.12.2019	Stuttgart, Germany	Industry, Policy makers	100	Germany, Europe



Presentation	IAO	Woman4energy, presentation	06.12.2019	Stuttgart, Germany	Industry, Policy makers	100	Germany, Europe
Presentation	MCC	Triangulum included in presentation to Mayor of Haidian District in Beijing - Silicon Valley of China	13.12.2019	Manchester, United Kingdom	Policy makers	4	United Kingdom, China
Presentation	EIN	Study tour Eckart, presentation	14.12.2019	Eindhoven, Netherlands	Industry	10	Netherlands
Presentation	WB, GS	Webinar Post-M36 about Citizen Engagement	07.01.2020	online	Scientific community, Industry, Civil society, Other	40	Europe
Keynote	UNIMAN	Governing Smart Cities: keynote at IPR	22.01.2020	Prague, Czech Republic	Scientific community, Industry, Civil society, Policy makers, Media, General Public	75	Czech Republic

