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Manchester

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Eindhoven

D7.11 – List of joint activities,
exchange with other EU
initiatives, related EU projects,
stakeholders (5)

WP 7, Task 7.5

January, 2020 (M60)

Project Acronym	TRIANGULUM
Project Title	**Triangulum: The Three Point Project / Demonstrate. Disseminate. Replicate**
Project Coordinator	Trinidad Fernandez (Trinidad.fernandez@iao.fraunhofer.de) Fraunhofer IAO
Project Duration	1st February 2015 – 31st January 2020 (60 Months)
Deliverable No.	D7.11 List of joint activities, exchange with other EU initiatives, related EU projects, stakeholders (5)
Diss. Level	PU
Status		Working
		Verified by other WPs
	x	Final version
Due date	31.01.2020
Work Package	WP 7 - Dissemination and Communication
Lead beneficiary	2 (SEZ)
Contributing beneficiary(ies)	All
DoA	Task 7.5: Networking, joint activities and exchange with EU initiatives, related EU projects and platforms and other interested stakeholders. Interested parties who are not directly involved in the project are given the opportunity to receive early access to specific information by being part of a Technology Interest Group (TIG). The TIG is an important measure to promote the project's results and achieve the objective to develop technologies that become universally accepted hardware and software solutions. Furthermore, the Fraunhofer "Innovation Network Morgenstadt" will be used as platform for dissemination of results and for catalysing replication. Contacts to existing EU initiatives as well as related EU projects and platforms will also be used to perform joint activities. All major project meetings will integrate networking opportunities in the form of dedicated sessions. These bundled activities will help to maximize the contact between partners, associated partners, third parties, researchers, experts from the private and public sector. Moreover, the Triangulum project will organise own events for external technical audience. Triangulum will furthermore cooperate with other SCC1 projects to coordinate activities and to thus maximise impact and dissemination.

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)
17.01.2020	3	Bettina Remmele / Heike Iffland (SEZ)	Review
20.01.2020	4	Catalina Díaz (IAO)	2nd check (WP1)
30.01.2020	5	Bettina Remmele, Heike Iffland (SEZ)	Finalisation

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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	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	EIN
STICHTING WOONBEDRIJF SWS HHVL	WB
TECHNISCHE UNIVERSITEIT EINDHOVEN	TU/e
STRIJPS ONTWIKKELING BV	VW
KONINKLIJKE KPN NV	KPN
STAVANGER KOMMUNE	SK
GREATER STAVANGER ECONOMIC DEVELOPMENT AS	GS
ROGALAND FYLKESKOMMUNE	Rogfk
UNIVERSITETET I STAVANGER	UiS
LYSE ENERGI AS	LYSE
INSTITUT PLANOVANI A ROZVOJE HLAVNIHO MESTA PRAHY	IPR
AJUNTAMENT DE SABADELL	AJSAB
STADT LEIPZIG	Lpz
TÜV SÜD ImmoWert GmbH	TÜV SÜD

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List of Abbreviations

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
Innovation & Networks Executive Agency - European Commission	INEA
Internet of Things	IoT
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 a summary of the joint activities and exchange with other EU initiatives, related EU projects and stakeholders within M49-60 of the Triangulum project. It is related to Task 7.5 "Networking, joint activities and exchange with EU initiatives, related EU projects and platforms and other interested stakeholders" of work package 7 "Dissemination and Communication" and constitutes Deliverable 7.11 "List of joint activities, exchange with other EU initiatives, related EU projects, stakeholders (5)". Please see page 2, section "DoA" for a description of the task.

This is the fifth and final version of the deliverable "List of joint activities, exchange with other EU initiatives, related EU projects, stakeholders". It has been updated every year (M12, 24, 36, 48, 60).

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2 Realisation of the Deliverable

Deliverable 7.11 provides an overview of joint activities, exchange with other EU initiatives, related EU projects and stakeholders within M49-60 of the Triangulum project. It contains an overview of joint activities with SCC1 projects and other EU initiatives as well as the activities of the Technology Interest Group.

Realisation tool:

As for Deliverable 7.6., the project partners use the tool EMDESK to report their joint activities with EU initiatives, related EU projects and platforms and other interested stakeholders. This allows the work package leader SEZ to get a good overview of all activities within the consortium in this regard.
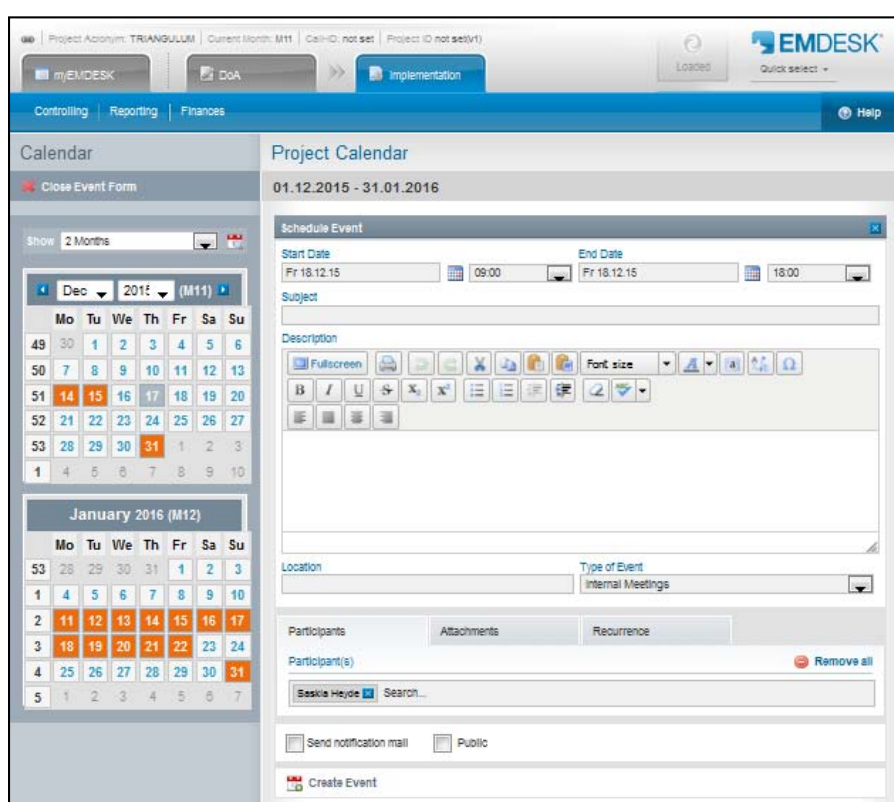

Figure 1: Screenshot of reporting tool EMDESK

3 Overview of joint activities exchange with other EU initiatives, related EU projects and stakeholders

The Triangulum project organised and participated in joint activities with other EU projects and initiatives. In the focus of attention during the fifth project year was the close cooperation with the other two ending SCC1 Lighthouse projects Remourban and GrowSmarter as well as with the other SCC1 Lighthouse projects and with the EC initiatives Smart Cities Information System (SCIS) and European Innovation Partnership for Smart Cities and Communities (EIP-SCC).

Furthermore, activities were carried out with the Technology Interest Group in the framework of the Morgenstadt community.

→ *Please find a detailed list of activities in the period from 01.02.2019-31.01.2020 in the Annex.*

3.1 Joint activities with SCC1 projects and other EU initiatives

Close interaction and exchange with the other SCC1 projects is happening, especially regarding joint replication and dissemination / communication activities, but also regarding business models & finance and big data issues. Within the fifth project year, the following activities have taken place:

- **Regular meetings and exchange:**

  Regular meetings and telephone conferences among the SCC1 projects have been arranged – both on the coordination, dissemination/communication, replication, business models & finance and big data level. The aim is to detect common topics, challenges and findings, to plan joint activities and to align the different project activities, where possible. Fraunhofer IAO, as Triangulum project coordinator, has been co-chairing the Board of Coordinators group from January – June 2019. Overall, between M49-60, there were three face-to-face meetings of the different Task Groups, one in March 2019 at the European Smart Projects Summit in San Sebastián (organised by Replicate), one in October 2019 at the Smart Cities & Communities Lighthouse Network Event in Lyon (organised by Smarter Together) and one in November 2019 at the SCEWC in Barcelona, as well as monthly telephone calls.

- **Joint events and stands:**

  Within the fifth project year, several joint stands and events of the SCC1 projects, and in cooperation with SCIS and/or EIP-SCC, have been organised with the active involvement and contribution of Triangulum partners, also in the form of taking over organisational tasks:

  - **Impact Monitoring and Assessment Exchange Workshop, Manchester, UK, 7 March 2019**
    On 7 March 2019, WP2 of Triangulum organised an Impact Monitoring and Assessment Exchange workshop 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 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 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.

Figure 2. James Evans from University of Manchester presenting at the workshop (Picture: Triangulum)

- **European Smart Projects Summit, San Sebastián, Spain, 26 March 2019**

  San Sebastián, Lighthouse City of Replicate, organized the European Smart Projects Summit and invited Triangulum and the other 13 European Smart Cities and Communities Projects to join as well. The purpose of the two-day summit was to foster further collaboration opportunities between the 14 projects, to exchange knowledge and to welcome the two new projects MAKING-CITY and +CityxChange to the family of Lighthouse Cities. The event was thus occasion for the signing of the manifesto of cooperation between the European SCC1 Projects. Furthermore, a culture of exchange and learning was supported through a number

of high-level presentations, interactive workshops, a study visit to the demo sites of San Sebastián and internal working group meetings. From Triangulum, the project management team from Fraunhofer IAO, including the communication lead from Steinbeis-Europa-Zentrum, as well as replication representatives (Fraunhofer IAO) attended the event.

Six parallel workshops covered issues like the transformation of districts into sustainable and smart buildings, sustainable urban mobility, funding possibilities for smart solutions, citizen engagement as well as data security and the energy transition. The back then coordinator of our project, Damian Wagner from Fraunhofer IAO, talked about experiences from five years of Triangulum at the workshop "How to fund the scalability of smart solutions".

The two-day event was rounded off with internal working group meetings at Talent House, with a splendid view over sunny San Sebastián. There, the different working groups, such as the Board of Coordinators, the Replication or the Communication Group, met to discuss joint topics and to work on joint activities.

Figure 3. BoC signing the new manifesto (Picture: Steinbeis-Europa-Zentrum)

- **RUGGEDISED Replication Workshop in Brno, Czech Republic, 5 June 2019**
  Several Triangulum partners, such as our Fellow City Prague representatives Monika Uhlenbruch and Adam Pajgrt from IPR Prague and Sonja Stöffler from the University of Stuttgart, participated in the replication workshop "Learning from the most innovative" organised by RUGGEDISED project in their Fellow City Brno, Czech Republic on 5 June 2019.

The workshop was held back to back with the Urbis Smart City Fair 2019, inviting interested stakeholders and city and replication representatives from other smart city projects. The aim of the workshop was to help city representatives to learn about the most innovative (smart) city projects throughout Europe.

Sonja Stöffler from the University of Stuttgart and part of the replication work package of Triangulum participated in the Panel Discussion on "Building Smart Districts by Lighthouse cities leaders and Replication workshop findings", together with RUGGEDISED representatives Albert Engels, Carina Aschan, Gavin Slater, Katelien van den Berge (previously part of the Stavanger local consortium) and moderated by Mario Gualdi.

Figure 4. Sonja Stöffler from University of Stuttgart at Panel Discussion (Credits: Triangulum)

- **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. 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. The session then moved on 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 (Stavanger Kommune) and Martine Tommis (Manchester City Council), the City Coordinators of our three Follower Cities Adam Pajgrt (IPR Prague), Nadja Riedel (Stadt Leipzig) and Oriol Llevot (Ajuntament de 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 5. SCIS & EIP-SCC joint stand at Nordic Edge 2019 (Credits: Steinbeis-Europa-Zentrum)

- **Smart Cities & Communities Lighthouse Network event by Smarter Together, Lyon, France, 17 October 2019**

In October 2019, the Triangulum project representatives participated in the Smarter Together SCC Lighthouse network event in Lyon. The Lyon event was the eighth event organised by the Smart Cities & Communities network. Here, the whole SCC1 network focused on so-called makers' sessions on the first day, using design-thinking methodology. The various groups worked on topics such as buildings (new & refurbished), Integrated Infrastructure / data platform and services, energy infrastructure (energy networks & renewable energy production, lampposts), mobility (mobility stations, electric buses…) and well-being (public spaces, nature-based solutions, healthcare). As the working groups developed pitches, these were fine-tuned and presented on the following day in front of a jury.

- **"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 (with inputs from Stijn Steenbakkers, Alderman for Digital Transformation from the City of Eindhoven), a project coordinator panel to demonstrate their main achievements in the areas of energy, mobility and ICT (with inputs from Trinidad Fernandez), and a technical panel providing detailed insights on the daily work within the cities (with inputs from Delia Mitcan, Site Manager Eindhoven and Gerd Seehuus, Site Manager Stavanger).

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. 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.

Figure 6. "From Dream to Reality" (Credits: Flickr/EUREG)

Figure 7. 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 8. 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 Smarty 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. 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 Stavanger Kommune, 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 Stavanger Kommune, 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 9. Agora Session with Trinidad Fernandez next to Miguel Ángel García Fuentes of Remourban and Lisa Enarsson of GrowSmarter, moderated by Jens Bartholems of DG Energy (Credits: Steinbeis-Europa-Zentrum)

Figure 10. "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 Lllevot from the City of Sabadell (third from right), Trinidad Fernandez from Fraunhofer IAO (second right) and Sonja Stöffler from the University of Stuttgart (right) (Credits: Triangulum)

- **Joint Multi Touch Tool:**

With the initiative of Fraunhofer IAO (initiated within Triangulum's WP6 – Replication), a project overarching Multi Touch Tool has been set up for the further dissemination of the SCC1 projects and activities in 2016. The tool presents the different SCC1 projects, involved LHC / FC and their technical approaches. The tool can be used via a touch screen at stands or on mobile devices. It is foreseen to make the tool available online in 2020 and to link it via the EIP-SCC website. In 2019, the tool was presented at the Barcelona Expo at the joint SCC1 booth.

Figure 11: SCC1 BoC in front of multi touch tool at SCEWC 2019 (Credits: Steinbeis-Europa-Zentrum)
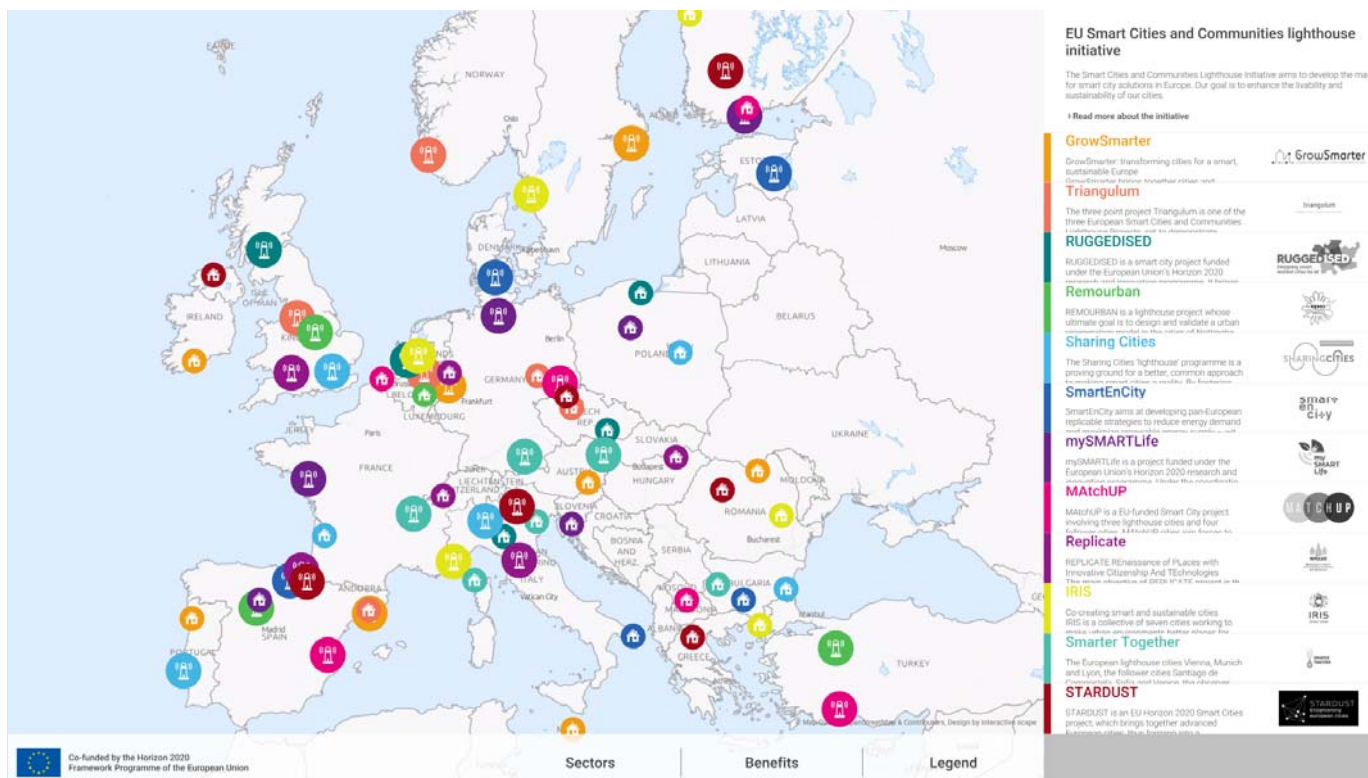
Figure 12: Screenshot of what the Touchtool looks like

3.2 Further activities with other EU initiatives took place within year four of the project

- **Cooperation with the European Innovation Partnership on Smart Cities and Communities (EIP-SCC):**

Triangulum was represented by Trinidad Fernandez of Fraunhofer IAO at the EIP-SCC General Assembly in Brussels from 16-17 May 2019. As the Project Coordinator of Triangulum, she was actively participating in the sessions and workshops organized by the EIP-SCC, as well as the matchmaking events.

- **Cooperation with the EU Smart Cities Information System (SCIS):**

In 2019, the SCC1 European Lighthouse group has been cooperating with the SCIS at joint stands and via their online platform. Besides the uptake and update of new project information onto the database:

- o SCIS representatives are regularly attending the Replication Task Force meetings and relevant SCIS deliverables have been made publicly available to the SCC1 group to enhance shared learning and to promote replication across Europe.
- o SCIS and the SCC1 European Lighthouse group have been sharing a joint stand for promotional purposes at large events and exhibitions such as the Nordic Edge and the SCEWC 2019.
- o Triangulum and the other 13 projects regularly contribute to the joint SCIS/EIP-SCC newsletter "Explore, Shape & Deal", as for example in their September and November issues of 2019. In return, SCIS is featured, when possible, in the individual projects' newsletters.

Figure 13: Screenshot of SCIS/EIP-SCC newsletters featuring Triangulum

3.3 Technology Interest Group and Morgenstadt Network

The Technology Interest Group and Morgenstadt Network had several meetings and events in the reporting period. The groups serve to increase the outreach of the Triangulum project, especially towards international industry partners, as well as receiving valuable input for Triangulum itself. Those events are listed in the following:

On 4 and 5 April 2019, more than 70 members of the Morgenstadt Initiative met in Leipzig to explore ways towards a carbon-free urban future. On the first day, the DG Energy representative George Houben explained the importance of creating positive energy districts and the mission of the EC to foster the carbon neutrality in Europe. The conference was divided into four themes: mobility, energy, data and buildings and highlighted the challenges and opportunities in each sector. Triangulum Project Coordinator Trinidad Fernandez moderated the buildings session, where different smart city solutions were discussed. On the second day, the Triangulum representatives Beate Ginzel (City of Leipzig) and Trinidad Fernandez (Fraunhofer IAO) presented together with representatives of the SCC2 project

"UNALab" the lessons learned and experiences from participating in these initiatives. The conference ended with three sessions on the calls at German and EU level for project consortia on safe, clean and efficient energy; decarbonisation of the European housing stock and smart cities made in Germany. At the end of the day, the conference concluded with a site visit to the Baumwollspinerei, district part of the Follower City Implementation Strategy developed in Triangulum.

On 18 and 19 November 2019 and within the framework of the International Climate Initiative, the Morgenstadt Global Smart Cities Initiative and the Morgenstadt Network were currently convening in Barcelona for a two-day Network and kick-off meeting. During the first day, participants got to learn fascinating insights from the partner cities Cochin, Saltillo and Piura, as well as best practices that showcased smart solutions for the cities of the future. Two representatives from the City of Sabadell presented their solutions regarding water management systems in the city. On the second day, the Morgenstadt representatives visited the city of Sabadell and their best practices, part of the Follower City Implementation Strategy developed in Triangulum. The day concluded with a visit to the superblock district in Barcelona, Lighthouse City from the SCC1 project Remourban, and was open to other SCC1 interested partners.

3.4 Next steps

As Triangulum is ending in 2020, there will be no more official cooperation with other SCC1 projects. However, individual local collaborations between current Triangulum partners and the SCC1 community will continue beyond the project duration.

Upcoming event highlights where the SCC1 projects will most likely be represented in 2020 are:

- Urbis Smart City Fair Brno June 2020

- Nordic Edge Conference and Expo September 2020

- Barcelona Smart City Expo World Congress November 2020

4 Annex: Overview of joint activities with other EU initiatives and projects from M49-60

Table 1: List of joint dissemination activities from M49-60

Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of audience	Size of audience	Countries addressed
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)	UniS, IPR	RUGGEDISED Replication Workshop	05.06.2019	Brno, Czech Republic	Scientific community, Industry, Media	71	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	Europe
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)	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,	150	Europe

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Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of audience	Size of audience	Countries addressed
					Investors, Other		
Participation in activities organised jointly with other H2020 project(s)	IAO, SEZ, UniS	Smart Cities & Communities Lighthouse network event	17.10.2019	Lyon, France	Scientific community, Industry, Policy makers, Media	240	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)	IAO, SEZ, UniS, UNIMAN, SK, AJSAB	Smart City Expo World Congress Barcelona	19.11.2019	Barcelona, Spain	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Investors, Customers, Other	17,500	Europe

Table 2: List of SCC1 European Lighthouse projects Board of Coordinators Calls and Meetings from M49-60

Date	Description	Participants	Location
25.01.2018	SCC1 Board of Coordinators physical meeting in Brussels	Damian Wagner (IAO),	Physical Meeting
22.03.2018	SCC1 Board of Coordinators	Damian Wagner (IAO),	Conference call
27.03.2019	SCC1 Board of Coordinators physical meeting in San Sebastián	Damian Wagner (IAO), Trinidad Fernández (IAO)	Physical Meeting
23.05.2019	SCC1 Board of Coordinators	No participation from	Conference call

		Triangulum side	
01.07.2019	SCC1 Board of Coordinators	Trinidad Fernández (IAO), Charlotte Schlicke (SEZ)	Conference call
30.08.2019	SCC1 Board of Coordinators	Trinidad Fernández (IAO), Charlotte Schlicke (SEZ)	Conference call
04.10.2019	SCC1 Board of Coordinators	Trinidad Fernández (IAO)	Conference call
18.10.2019	SCC1 Board of Coordinators Meeting in Lyon	Trinidad Fernández (IAO), Charlotte Schlicke (SEZ)	Physical Meeting
20.11.2019	SCC1 Board of Coordinators Meeting in Barcelona	Trinidad Fernández (IAO)	Physical Meeting

Table 3: List of SCC1 Lighthouse projects D+C Task Force meetings / conference calls from M49-60

Date	Description	Participants	Location
26.02.2019	D+C Task Force Conference Call	Bettina Remmele (SEZ)	Conference call
27.03.2019	D+C Task Force Meeting in San Sebastían	Bettina Remmele (SEZ)	Physical Meeting
30.04.2019	D+C Task Force Conference Call	Bettina Remmele (SEZ)	Conference call
28.05.2019	D+C Task Force Conference Call	Bettina Remmele (SEZ)	Conference call
25.06.2019	D+C Task Force Conference Call	Gabi Kaiser (SEZ)	Conference call
17.09.2019	D+C Task Force Conference Call	Bettina Remmele (SEZ)	Conference call
18.10.2019	D+C Task Force Meeting in Lyon	no physical SEZ attendance	Physical Meeting
21.11.2019	D+C Task Force Meeting in Barcelona during SCEWC	Gabi Kaiser (SEZ)	Physical Meeting
11.12.2019	D+C Task Force Conference Call	Bettina Remmele (SEZ)	Conference call

Table 4: List of SCC1 Lighthouse projects Replication Task Force meetings / conference calls from M49-60

Date	Description	Participants	Location
31.01.2019	Replication Task Force Meeting	Nikita Shetty (UniS)	Conference Call
28.02.2019	Replication Task Force Meeting	Nikita Shetty (UniS)	Conference Call
27.03.2019	SCC1 Conference, San Sebastian	Nikita Shetty (UniS)	Physical meeting
25.04.2019	Replication Task Force Meeting	Nikita Shetty (UniS)	Conference Call

29.05.2019	Replication Task Force Meeting	Nikita Shetty(UniS)	Conference Call
19.09.2019	Replication Task Force Meeting	Nikita Shetty (UniS)	Conference Call
18.10.2019	Replication Task Force Meeting (Lyon)	Sonja Stöffler (UniS)	Physical meeting
28.11.2019	Replication Task Force Meeting	Sonja Stöffler (UniS)	Conference Call
30.01.2020	Replication Task Force Meeting	Sonja Stöffler (UniS), Philipp Lämmel (Fraunhofer FOKUS)	Conference Call