



**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**

***WP 7, Task 7.6***  
***January, 2019 (M48)***



Project Acronym	TRIANGULUM		
Project Title	<b>Triangulum: The Three Point Project / Demonstrate. Disseminate. Replicate</b>		
Project Coordinator	Damian Wagner (Damian.Wagner@iao.fraunhofer.de) Fraunhofer IAO		
Project Duration	1 <sup>st</sup> February 2015 – 31 <sup>st</sup> January 2020 (60 Months)		
Deliverable No.	D7.15 Publications (4)		
Diss. Level	PU		
Status		Working	
		Verified by other WPs	
	x	Final version	
Due date	31.01.2019		
Work Package	WP 7 – Dissemination and Communication		
Lead beneficiary	2 (SEZ)		
Contributing beneficiary(ies)	All		
DoA	<p>Task 7.6 “Publications (press-releases, articles) in technical press &amp; Publications (press-releases, blogs, articles) in public press”:</p> <p>On the one hand, dissemination of research results will be ensured by publishing professional, scientific articles in international journals. On the other hand, communication of research results will be ensured by press releases and articles in a more general language. Additionally, an eNewsletter will be distributed on a regular basis presenting project activities and information about the project’s progress as well as intermediate results. Short articles and blog entries will be published on the website and specific social media platforms to increase online interactions and professional exchanges. Finally, video clips focusing on the Lighthouse Cities will be published on the YouTube channel and implemented on the project website.</p>		
Date	Version	Author	Comment
20.12.2018	1	Bettina Remmele / Heike Iffland (SEZ)	Writing and preparation of deliverable
31.12.2018	2	Trinidad Fernandez (Fraunhofer IAO)	Cross-check coordination
18.01.2019	3	Bettina Remmele,	Revision and more information



		Heike Iffland (SEZ)	



## Content

1	Deliverable Description.....	9
2	Realisation of the Deliverable.....	10
3	Overview of Publications .....	12
3.1	Professional and Scientific Publications .....	12
3.2	Press Releases and Non-scientific Articles .....	12
3.3	Triangulum Communication Tools .....	14
3.3.1	Triangulum eNewsletter .....	14
3.3.2	Triangulum Website .....	15
3.3.3	Triangulum Twitter Account .....	17
3.4	Lighthouse City Video Clips.....	19
4	Annex:.....	21
4.1	Annex I: Overview of Scientific Publications from M37-48 .....	21
4.2	Annex II: Overview of Press Releases and Articles for General Readers from M37-4826	

## List of figures

Figure 1: Screenshot of reporting tool EMDESK.....	11
Figure 2: Comparison of scientific publications between reporting period M37-48 vs. M25-36.....	12
Figure 3: Comparison of non-scientific publications between reporting period M37-48 vs. M25-36.....	13
Figure 4: Triangulum Brochure .....	13
Figure 5: Screenshots of Newsletter issue #9, September 2018.....	14
Figure 6: Screenshots of new website .....	15
Figure 7: Overview of Twitter Account (Status: 16.01.2019) .....	17
Figure 8: Screenshot of Triangulum Twitter account (status: 16.01.2019) .....	18
Figure 9: Overview of Triangulum Video Clips on the project website.....	20
Figure 10: Triangulum YouTube Channel .....	20

## List of tables

Table 1: List of Scientific Publications from M37-48.....	21
Table 2. List of Scientific Publications from M1-36.....	23
Table 3: List of Press Releases and Articles for General Readers from M37-48.....	26



## List of partners

Title	Abbreviation
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V	FhG
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 PLANOVAŇI A ROZVOJE HLAVNIHO MESTA PRAHY	IPR
AJUNTAMENT DE SABADELL	AJSAB
STADT LEIPZIG	Lpz
TÜV SÜD ImmoWert GmbH	TÜV SÜD

## List of abbreviations

Office for Urban Renewal and Housing Construction	ASW
Business to business	B2B
Building Energy Management Solutions	BEMS
European portal for energy efficiency in buildings (European Commission)	BUILD-UP
Christian Democratic Union (german political party)	CDU
CIVITAS – H2020 EC project	CIVITAS
Community Research and Development Information Service	CORDIS
Dissemination & Communication	D&C
Deliverable	Del



Description of Action	DoA
European Commission	EC
Ecobuild conference for construction, design and energy	ECOBUILD
European Regions Research & Innovation Network	EERIN
European Free Trade Association	EFTA
European Innovation Partnership	EIP
Partner and Project Management Tool	EMdesk
EMEA users OSIssoft	EMEA OSIssoft
Energy performance certificate	EPC
European Union	EU
Electric Vehicle	EV
Experimental Housing and Urban Development, Federal Institute for Building, Urban Affairs and Spatial Research (Germany)	ExWoSt
Follower Cities	FC
Fraunhofer IAO	FhG IAO
Grant Agreement	GA
General Assembly	GenA
German Corporation for International Cooperation GmbH	GIZ
Horizon 2020 funding programme from the European Commission	H2020
International Council for Local Environmental Initiatives	ICLEI
Information and communication technology	ICT
IDW (Idea and Design Works) Publishing	IDW
The Institute of Electrical and Electronic Engineers	IEEE
Innovation & Networks Executive Agency - European Commission	INEA
Internet of Things	IoT
Low Carbon Networks & Innovation	LCNI
Lighthouse Cities	LHC
Convention of regional representatives (Germany)	LVV
Morgenstadt: City Insights	m:ci
Norwegian University of Science and Technology	NTNU
Norwegian Academy of Technological Sciences	NTVA
European Cities and Regions Networking for Innovative Transport Solutions	POLIS
Steering Committee	SC
Smart Cities and Communities	SCC1
Smart City Expo World Congress	SCEWC
Stavanger Region European Office	SrE
United Kingdom	UK



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EAI (European Alliance for Innovation) International Conference on Wireless and Satellite Systems (formerly PSATS)      WiSATS

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Work Package      WP

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# 1 Deliverable Description

This document delivers a summary of the publications published within M37-48 of the Triangulum project. It is related to Task 7.6 “Publications” of work package 7 “Dissemination and Communication” and constitutes Deliverable 7.15 “Publications (4)”. The document provides an overview of all activities that have been carried out by the entire Triangulum consortium. Please see page 2, section “DoA” for a description of the task.

This is the fourth version of the deliverable “Publications”. It is updated every year (M12, 24, 36, 48, 60).



## 2 Realisation of the Deliverable

Deliverable 7.15 provides an overview of all publications in technical press and in public press within M37-48 of the Triangulum project done by the entire consortium. It contains an overview of:

- Professional and Scientific Publications
- Press Releases and Articles for General Readers
- Triangulum Communication Tools
  - Triangulum eNewsletter
  - Triangulum Website
  - Triangulum Twitter Account
- Lighthouse City Video Clips

### Reporting tool:

The project partners use the tool EMDESK to report their publications. This allows the work package leader SEZ to get a good overview of all publications of the partners.

On EMDESK the project partners can fill in the following information about the publication:

- Type of publication
- Title
- Author(s)
- Number date or frequency
- Date of publication
- Title of the periodical or series
- URL
- Place of publication
- Publisher
- Open access
- ISSN
- eISSN
- ISBN
- Relevant pages
- Owner



**Publications**

Progress | Resources | Costs | Deliverables | Milestones | Risks | Dissemination | **Publications** | Cooperation

**Add a new publication** [x]

Type of publication: Peer reviewed publication [v] DOI: [text]

**Details**

Title: [text]

Author(s): [text] Number date or frequency: [text] Date of publication: [text]

Title of the periodical or series: [text]

URL: [text] Place of publication: [text]

Publisher: [text] Open access: [v]

ISSN: [text] eISSN: [text] ISBN: [text]

Relevant pages: [text]

Public & Private Participation:  Yes  No Peer Review:  Yes  No

Owner: [text] [v] [add]

Figure 1: Screenshot of reporting tool EMDESK



## 3 Overview of Publications

### 3.1 Professional and Scientific Publications

10 professional, scientific and peer reviewed publications have been published during the fourth project year, reflecting the scientific results achieved by the project partners during their project work, including:

- 2 Articles in Journals
- 5 Peer reviewed publication
- 2 Publication in Conference proceeding/workshop
- 1 Other

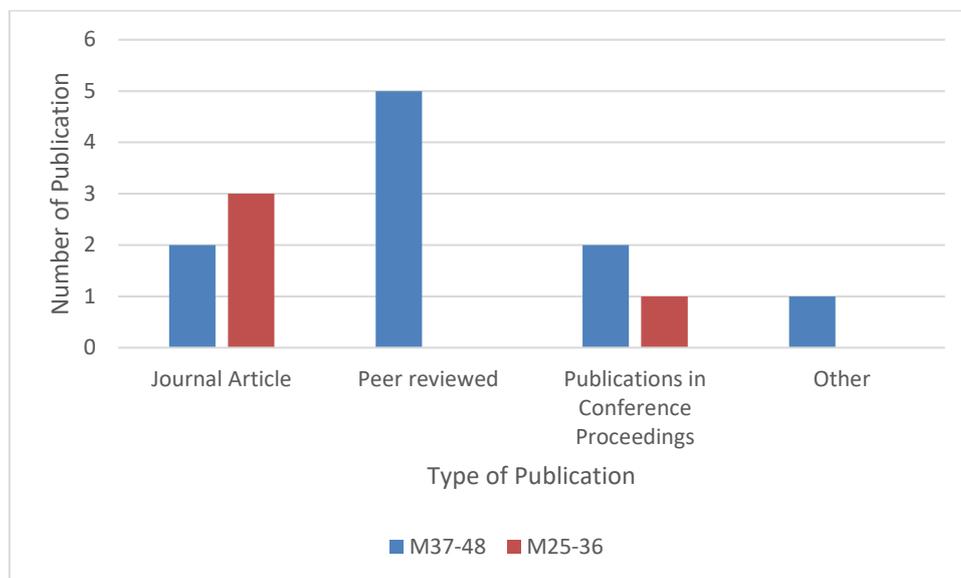


Figure 2: Comparison of scientific publications between reporting period M37-48 vs. M25-36

→ Please find the full list of professional and scientific publications in the period from 01.02.2018-31.01.2019 in Annex I.

### 3.2 Press Releases and Non-scientific Articles

Press releases and articles for general readers have been produced, to inform a wider audience on the project activities and aims.

A total of 29 publications have been reported for M37-48 of the project, including:

- 13 Non-scientific and non-peer reviewed publications (popularised publications)
- 1 Press release
- 3 Flyers/Brochures
- 2 Website actions



- 10 Publications of videos/films

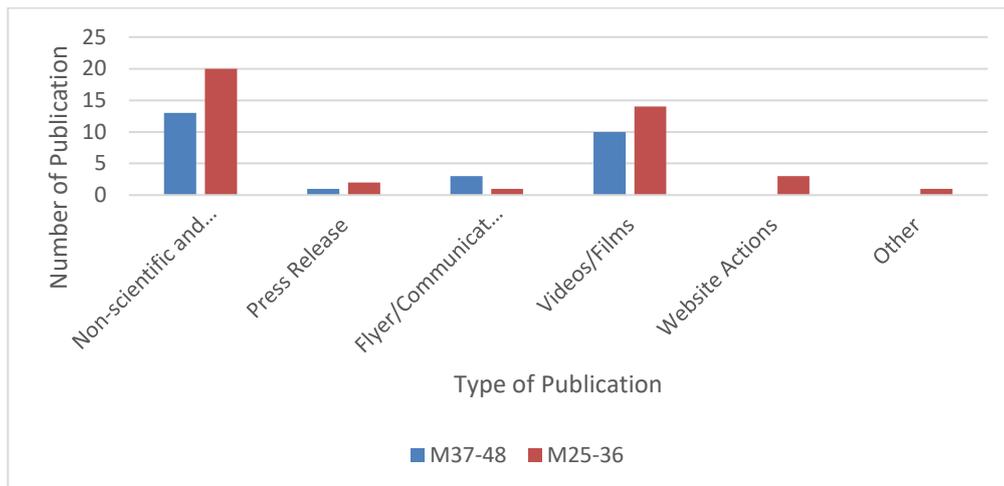


Figure 3: Comparison of non-scientific publications between reporting period M37-48 vs. M25-36

### Brochure “Integrated Solutions for Smart Cities”:

In September 2018, Triangulum has published a 16 page long A5 landscape brochure presenting the current status and latest outcomes of the project. The brochure contains information about the SCC1 network, three case studies per Lighthouse City, information about the implementation and replication work and information about the replication status of the Follower Cities. The brochure is digitally available at the website (in the outcomes section) and is being distributed to interested stakeholders in printed format as well.

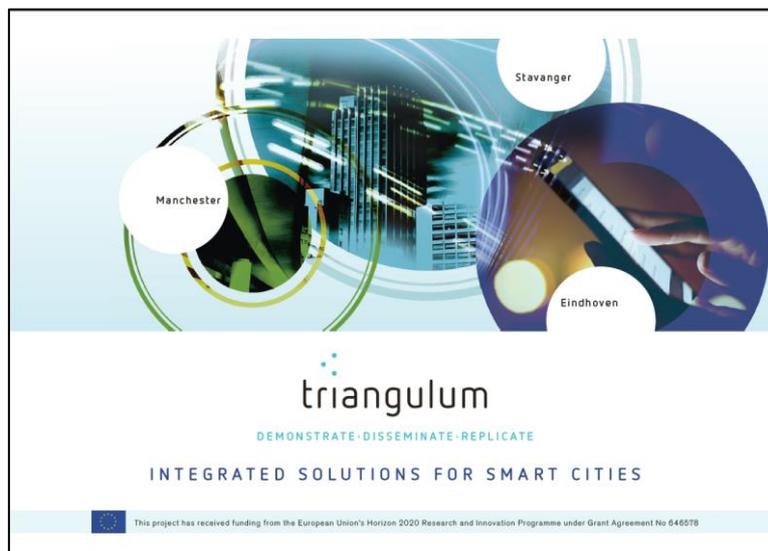


Figure 4: Triangulum Brochure

→ Please find the full list of article and press releases in the period from 01.02.2018-31.01.2019 in Annex II.



### 3.3 Triangulum Communication Tools

The Triangulum project uses several communication tools to make the news and innovations public to everyone.

#### 3.3.1 Triangulum eNewsletter

The public Triangulum eNewsletter, published several times a year, provides information about the project's activities and progress during the previous four month period. It informs on project activities and news, progress in the Lighthouse Cities (LHC) and Follower Cities (FC) as well as past and upcoming events. SEZ is responsible for writing the newsletters, with active input by and information from all partners, especially the LHC and FC, the work package leaders and Fraunhofer IAO as the project coordinator.

The Triangulum eNewsletter is addressing a broad public and is spread widely via e-mail and social media. The newsletter can be subscribed on the Triangulum website. Currently, 92 persons are registered to receive the newsletter (Status: 16.01.2019). Due to new GDPR laws, all former subscribers had to be removed and people had to sign up anew in order to continue receiving our newsletters. The average number of new subscribers corresponds to 10-20 % of former subscribers. With 92 out of formerly 127 subscribers, we have reached a resubscription rate of around 70 %. From M37-48, three newsletters have been published (May 2018, September 2018, December 2018).

→ The newsletter archive can be found on the Triangulum Website under: [https://www.triangulum-project.eu/?page\\_id=118](https://www.triangulum-project.eu/?page_id=118)



Figure 5: Screenshots of Newsletter issue #9, September 2018



### 3.3.2 Triangulum Website

On the project website ([www.triangulum-project.eu](http://www.triangulum-project.eu)) interested stakeholders are able to find the latest news on the project. The website offers general and more specific information on Triangulum, including news articles. Fraunhofer IAO is responsible for the technical side of the website, whereas SEZ as WP leader regularly provides updates, based on input from the project partners in general and of the work package leaders, LHC and FC in particular. The website also links to the project's social media channels.

The website needed to be updated to comply with the new GDPR laws. Therefore in May 2018, there has been a relaunch of the website with a new design and tools that fulfil with the new EU data protection and data privacy, created by Fraunhofer IAO. Since the official hand over in June 2018, SEZ is responsible for updating the website and for creating new contents.

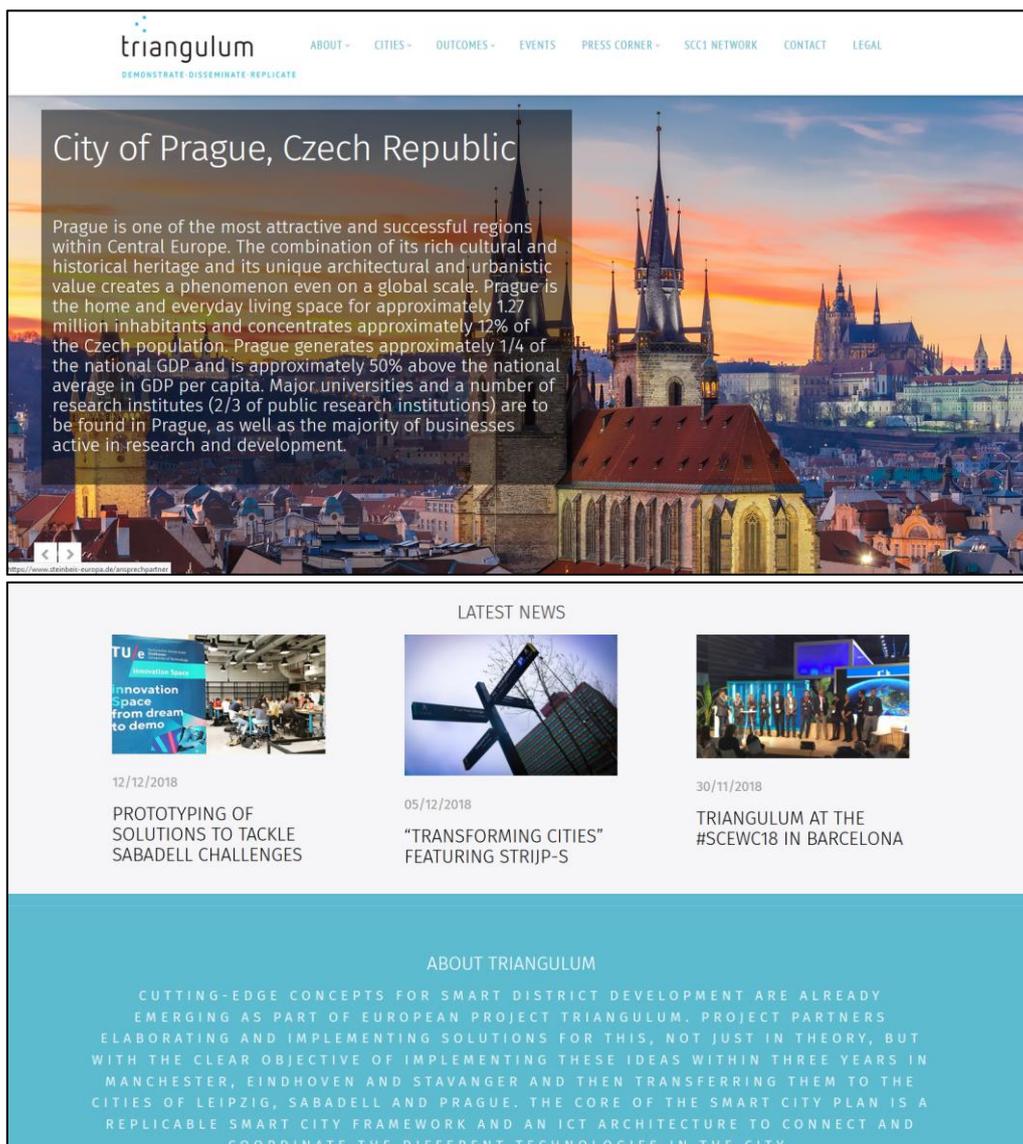


Figure 6: Screenshots of new website



In fall 2018, an “outcomes” section has been added to the website, including the Replication Tool, the new Triangulum brochure (with three case studies per Lighthouse City) and a Downloads section with public deliverables.



### 3.3.3 Triangulum Twitter Account

Access to the Triangulum twitter account (@Triangulum\_EU) has been shared with all project partners in order to involve them actively in promoting news on the project. Overall, the channel is managed by SEZ. The twitter channel is embedded on the project website. Furthermore, the twitter link is shown on every dissemination material (flyer, rollup, bookmark, sticker, brochure).

Currently, the Triangulum twitter account has:

- 1074 Followers (over 25% increase within the last 12 months)
- 866 Tweets and
- 626 Likes

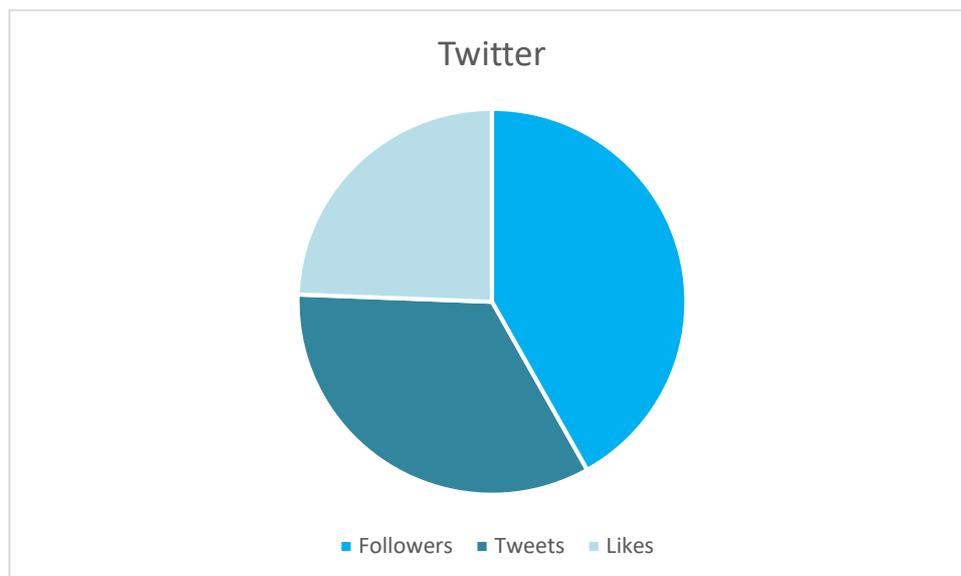


Figure 7: Overview of Twitter Account (Status: 16.01.2019)



**Triangulum Project**  
@Triangulum\_EU

The EU #H2020 lighthouse project Triangulum is looking for solutions for the city of tomorrow and will develop smart urban districts.

[triangulum-project.eu](http://triangulum-project.eu)  
Joined May 2015  
232 Photos and videos

**Tweets**   **Tweets & replies**   **Media**

**Triangulum Project** @Triangulum\_EU · 3h  
Paul Lewis, Travel Plan & Logistics Manager at @ManMetUni has been using a @Triangulum\_EU badged electric vehicle in a case study video at the GMEV website promoting the use of EVs in @smartercitymcr - watch it at [cleanaigm.com/electric-vehic...](http://cleanaigm.com/electric-vehic...)

**Triangulum Project** @Triangulum\_EU · Jan 14  
Sounds like a great #opportunity, promoting the #smartcity movement!

**Smart Cities SCIS** @SmartCitiesSCIS  
Calling all (future) #smartcities: SCIS has launched a new #competition! Don't miss this great opportunity and apply now for the SCIS Smart Cities #Roadshow & a corresponding poster campaign! Interested?...

You Retweeted  
**Smart Mobility** @SmartMobility · Jan 11  
#UrbanFreight can no longer be an afterthought. Freight vehicles account for up to 40% of road usage and 40% of CO2 emissions in cities. Solving the #lastmile problem is the biggest opportunity for improvement.  
v. @Cities\_Today  
[cities-today.com/why-urban-frei...](http://cities-today.com/why-urban-frei...)  
#SustainableMobility

**Your Tweet Activity**  
Your Tweets earned **7,203 impressions** over the last **28 days**  
[View your top Tweets](#)

**Who to follow** · Refresh · View all

- MOEBIUS Project** @MOE... [Follow](#)
- P2ENDURE\_EU** @P2ENDU... [Follow](#)

**Find people you know**  
Import your contacts from Gmail  
[Connect other address books](#)

**Trends for you** · Change

- #100JahreFrauenwahlrecht**  
3,736 Tweets
- #GFFA**
- #Rights2019**  
2,211 Tweets

Figure 8: Screenshot of Triangulum Twitter account (status: 16.01.2019)



### 3.4 Lighthouse City Video Clips

Short video clips showing project progress in the LHC are being produced by the LHC as part of their own communication activities. In order to ensure the integration of the project's corporate identity, a template has been developed by SEZ that needs to be integrated in all videos. The videos are published on YouTube, within the Triangulum Youtube Channel ([https://www.youtube.com/channel/UCW8lxWYdWxynkUL\\_6nDRnfg](https://www.youtube.com/channel/UCW8lxWYdWxynkUL_6nDRnfg)), and also integrated on the project website under [https://www.triangulum-project.eu/?page\\_id=116](https://www.triangulum-project.eu/?page_id=116).

From M37-48, ten further video clips have been produced:

Partner Short Name	Video
GS, LYSE	Movie about Bergaastjern elderly home <a href="https://youtu.be/wKtf3hGhrk4">https://youtu.be/wKtf3hGhrk4</a>
MCC, UNIMAN	Manchester Climate Change Agency interview with Ettore Murabito (UNIMAN) - MCCA YouTube News Channel <a href="https://www.youtube.com/watch?v=NMKQaN42tzo">https://www.youtube.com/watch?v=NMKQaN42tzo</a>
MCC, MMU, SIEMENS	Manchester Climate Change Interview with Andrew Smythe (Siemens) - MCCA YouTube News Channel - <a href="https://www.youtube.com/watch?v=c7xMNUSrN38&amp;t=9s">https://www.youtube.com/watch?v=c7xMNUSrN38&amp;t=9s</a>
MCC, UNIMAN	Manchester Climate Change Agency interview with Jason Smith (UNIMAN) - MCCA YouTube News Channel - <a href="https://www.youtube.com/watch?v=zALkFIKeUGI&amp;feature=youtu.be">https://www.youtube.com/watch?v=zALkFIKeUGI&amp;feature=youtu.be</a>
FhG, MCC, UNIMAN	Damian Wagner & Kelly Watson interview with Manchester Climate Change Agency – Manchester GA - <a href="https://www.youtube.com/watch?v=5eH_Eap5tHs">https://www.youtube.com/watch?v=5eH_Eap5tHs</a>
FhG	Tech and the city   Alanus von Radecki   TEDxBonn - <a href="https://youtu.be/edrYbfWg4C0">https://youtu.be/edrYbfWg4C0</a>
EIN	BIM based interactive enviroment, <a href="https://vimeo.com/290651723/e762f25588">https://vimeo.com/290651723/e762f25588</a>
SK, GS	Student TV interview
MCC, MMU	Manchester Metropolitan University Brooks Solar PV Panels - video on Triangulum YouTube Channel - <a href="https://youtu.be/0zD9_HTairg">https://youtu.be/0zD9_HTairg</a>
MCC, MMU	ManMet uses Triangulum EV to promote electric vehicle use in a case study video on GMEV website - <a href="https://cleanairgm.com/electric-vehicles/case-studies/mmu">https://cleanairgm.com/electric-vehicles/case-studies/mmu</a>



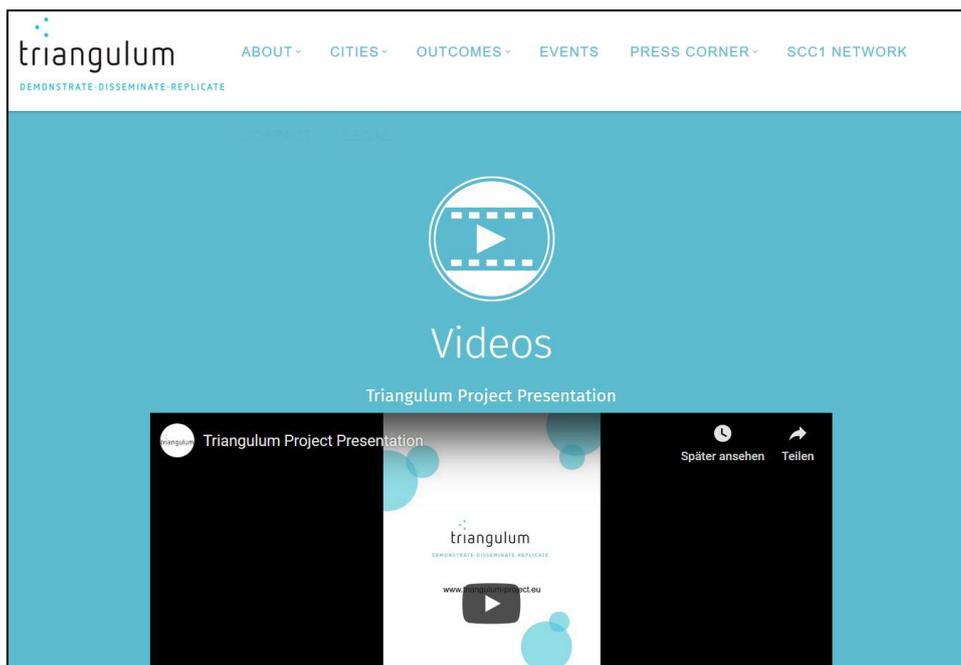


Figure 9: Overview of Triangulum Video Clips on the project website

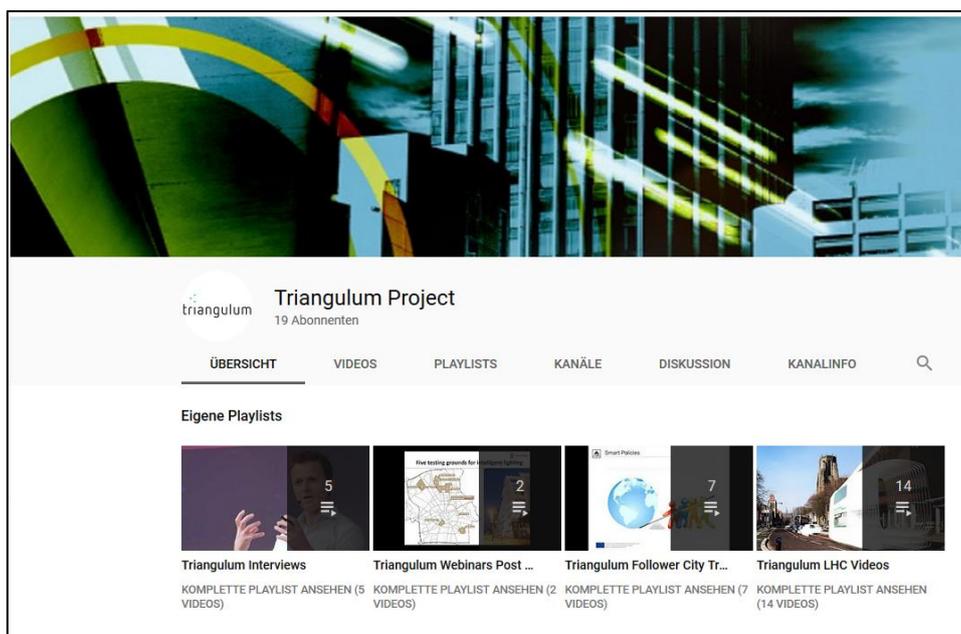


Figure 10: Triangulum YouTube Channel



## 4 Annex:

### 4.1 Annex I: Overview of Scientific Publications from M37-48

Table 1: List of Scientific Publications from M37-48

Type of scientific publication	Title of the scientific publication	DOI	ISSN or eSSN	Authors	Title of the journal or equivalent	Number, date	Publisher	Place of publication	Year of publication	Relevant pages	Public & private participation	Peer-review	Is/Will open access provided to this publication
Article in Journal	Low-Power Wide Area Network Technologies for Internet-of-Things: A Comparative Review	10.1109/JIOT.2018.2837288	n/a	Augustine Ikpehai, Bamidele Adebisi, Khaled M. Rabie, Kelvin Anoh, Ruth E. Ande, Mohammad Hammoudeh, Haris Gacanin and Uche M. Mbanaso	IEEE Journal of Internet of Things	20.11.2018	IEEE	Online	2018		NO	YES	n/a
Article in Journal	Smart-sustainability: A new urban fix?	doi.org/10.1016/j.sc	n/a	Martin, C., Evans, J., Karvonen, A., Paskaleva, K., Yang,	Sustainable Cities and Society	01.12.2018	Elsevier	Online	2018		YES	YES	n/a



		s.20 18.1 1.02 8		D. and Linjordet, T. (2018)	Available online 1 December 2018 In Press, Accepted Manuscript What ar								
Publication in Conference proceeding/Workshop	Effects of Traffic Characteristics on Energy Consumption of IoT End Devices in Smart City		n/a	Augustine Ikpehai, Bamidele Adebisi, Kelvin Anoh	Global Information Infrastructure and Networking Symposium (GIIS 2018)	23.10.2018	IEEE	Thessalonik, Greece	2018		NO	YES	n/a
Publication in Conference proceeding/Workshop	Enabling the Structuring, Enhancement and Creation of Urban ICT through the Extension of a Standardized Smart City Reference Model	doi:10.3390/e10040421	n/a	Nikolay Tcholtchev, Philipp Lämmel, Robert Scholz, Yacine Rebahi, Wojciech Konitzer and Ina Schieferdecker,	5th International Workshop on Smart City Clouds: Technologies, Systems and Application	18.12.2018	UCC (company)	Zurich	2018		NO	YES	n/a



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Table 2. List of Scientific Publications from M1-36

Type of scientific publication	Title of the scientific publication	DOI	ISSN or eSSN	Authors	Title of the journal or equivalent	Number, date	Publisher	Place of publication	Year of publication	Relevant pages	Public & private participation	Peer-review	Is/Will open access provided to this publication
Publication in conference proceedings	On the path towards smart mobility: best practices from the three forerunner cities: Eindhoven, Manchester and Stavanger		2521 - 3938	Padilla, Marielisa; Stöffler, Sonja (UniS)	REAL CORP 2017: PANTA RHEI A World in Constant Motion Proceedings of 22nd International Conference o	14.09.2017	CORP – Competence Center of Urban and Regional Planning	Vienna, Austria	2017	383-390	YES	YES	YES



Article in Journal	Data Governance in the Sustainable Smart City	doi:10.3390/informatics4040041	n/a	Krassimira Paskaleva, James Evans, Christopher Martin, Trond Linjordet, Dajuan Yang and Andrew Karvonen (UNIMAN)	Informatics	15.11.2017	MDPI	Basel, Switzerland and	2017	online	NO	YES	YES
Article in Journal	Bi-Directional Coordination of Plug-In Electric Vehicles with Economic Model Predictive Control	doi.org/10.3390/en10101507		Yusuf Sha'aban, Augustine Ikpehai, Khaled Rabie and Bamidele Adebisi	Energies 2017, 10(10)	28.09.2017	MDPI	online	2017	online	NO	YES	YES
Article in a journal	Visionen für die Stadt von Morgen <a href="https://bit.ly/2RuKRu6">https://bit.ly/2RuKRu6</a>		2198 - 2848	Jens Eber	Forschung Leben	01.01.2015	Universität Stuttgart	Stuttgart	2015	56-58	NO	NO	YES
Article in a journal	Nachhaltige, smarte Städte <a href="https://bit.ly/2TXEQ68">https://bit.ly/2TXEQ68</a>		1868 - 3428	Chris Löwer	Weiter.vorn	1.01.2015	Fraunhofer Gesellschaft	München	2015	26-27	NO	NO	YES
Publication in conference	Smart Street Lighting over Narrowband PLC in a Smart City: The Triangulum Case	<a href="https://doi.org/10.1109/">https://doi.org/10.1109/</a>		Augustine Ikpehai., Bamidele Adebisi, and Rupak Kharel	IEEE International Workshop on	01.09.2017	IEEE	Ontario, Canada	2017		NO	YES	YES



proceedings	Study <a href="https://e-space.mmu.ac.uk/618880/">https://e-space.mmu.ac.uk/618880/</a>	CAM AD.2 016. 7790 365			Computer-Aided Modeling Analysis and Design of Communication Links an									
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## 4.2 Annex II: Overview of Press Releases and Articles for General Readers from M37-48

Table 3: List of Press Releases and Articles for General Readers from M37-48

Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
<b>Press releases</b>							
Press Release	SEZ	“Smart with a Heart: Bringing Together the Smart City Community at Nordic Edge 2018”	15.10.2018	online	all	2000	Europe
<b>Flyer</b>							
Flyer	SEZ, all	Brochure “Integrated Solutions for Smart Cities”	21.09.2018	Stuttgart, Germany	General Public	5000	Europe
Flyer	EIN	Brochure “The strength of Woonconnect”	22.11.2018	Eindhoven, Netherlands	General Public	600	Netherlands
Flyer	EIN	Brochure “The strenght of Woonconnect for municipalities”	22.11.2018	Eindhoven, Netherlands	Policy makers, General Public	600	Netherlands
<b>Non-scientific and non-peer reviewed publications</b>							
Non-scientific and non-peer reviewed publications (popularised publications)	WB	Excursion journalist Eindhovens Dagblad	24.05/2018	Eindhoven, Netherlands	Civil society	100,000	Netherlands



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
Non-scientific and non-peer reviewed publications (popularised publications)	IPR	“Prague 7 is inspired by senior care technologies” - <a href="https://issuu.com/cityone/docs/city-one_cz_09-18_s/70">https://issuu.com/cityone/docs/city-one_cz_09-18_s/70</a>	16.10.2018	Prague, Czech Republic and online	all	10000	Czech Republic, Slovakia, Poland, Hungary, Austria, Slovenia, Croatia , Europe
Non-scientific and non-peer reviewed publications (popularised publications)	EIN	“Bewoner bepaalt bij renovatie in Eckart Vaartbroek“ - <a href="https://wplatform.nl/content/bewoner-bepaalt-bij-renovatie-eckart-vaartbroek">https://wplatform.nl/content/bewoner-bepaalt-bij-renovatie-eckart-vaartbroek</a>	08.10.2018	online	Civil Society	550	Netherlands,
Non-scientific and non-peer reviewed publications (popularised publications)	EIN	“Living Lab Strijp-S”	17.09.2018	Eindhoven, Netherlands	Policy makers, General Public	100	Netherlands
Non-scientific and non-peer reviewed publications (popularised publications)	EIN	“Living Lab Eckart Vaartbroek”	26.09.2018	Eindhoven, Netherlands	Policy Maerks, General Public	100	Netherlands



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
Non-scientific and non-peer reviewed publications (popularised publications)	FhG, SEZ	“Forschung Erleben: Smart Ideen zum Nachmachen: Vorreiter-Konzepte für intelligente Stadtquartiere kennen keine Landesgrenzen“ - <a href="https://www.uni-stuttgart.de/forschung/forschung-leben/smarte-idee-zum-nachmachen/">https://www.uni-stuttgart.de/forschung/forschung-leben/smarte-idee-zum-nachmachen/</a>	27.07.2018	online	Scientific community, Civil society, General Public	90	Germany
Non-scientific and non-peer reviewed publications (popularised publications)	SEZ	Triangulum Newsletter Nr.8 - <a href="http://www.triangulum-project.eu/wp-content/uploads/2018/05/2018-05_Triangulum_Newsletter_8.pdf">http://www.triangulum-project.eu/wp-content/uploads/2018/05/2018-05_Triangulum_Newsletter_8.pdf</a>	01.05.2018	online	Scientific community, Civil society, Policy makers, General Public	160	Europe
Non-scientific and non-peer reviewed publications (popularised publications)	SEZ	Triangulum Newsletter Nr.9 - <a href="https://www.triangulum-project.eu/wp-content/uploads/2018/09/Triangulum_Newsletter9_v2.pdf">https://www.triangulum-project.eu/wp-content/uploads/2018/09/Triangulum_Newsletter9_v2.pdf</a>	01.10.2018	online	Scientific community, Civil society, Policy makers, Media, General Public	140	Europe
Non-scientific and non-peer reviewed publications (popularised publications)	SEZ	Triangulum Newsletter no.10 - <a href="https://www.triangulum-project.eu/wp-content/uploads/2018/12/Triangulum_Newsletter-10.pdf">https://www.triangulum-project.eu/wp-content/uploads/2018/12/Triangulum_Newsletter-10.pdf</a>	14.12.2018	online	Scientific community, Civil society, Policy makers, Media, General Public	150	Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
Non-scientific and non-peer reviewed publications (popularised publications)	SEZ	“Gesunde und intelligente Mobilität in der Designstadt Eindhoven”, article in German journal “Transforming Cities” - <a href="https://www.trialog-publishers.de/epaper/771804n63%7c&amp;Fzk3N79xd51/#50">https://www.trialog-publishers.de/epaper/771804n63%7c&amp;Fzk3N79xd51/#50</a>	05.12.2018	online	Scientific community, general public	2000	Germany
Non-scientific and non-peer reviewed publications (popularised publications)	SEZ	SEZ-News “SEZ präsentiert Smart Cities Projekte auf der Nordic Edge“	05.12.2018	Stuttgart, Germany	Customers	2500	Germany
Non-scientific and non-peer reviewed publications (popularised publications)	MCC, MMU, SIEMENS	“University installs new smart city battery to drive energy efficiency” - <a href="https://manmetlife.wordpress.com/2018/04/20/university-installs-new-smart-city-battery-to-drive-energy-efficiency/">https://manmetlife.wordpress.com/2018/04/20/university-installs-new-smart-city-battery-to-drive-energy-efficiency/</a>	20.04.2018	online	Scientific community, Customers, Other	120	United Kingdom
Non-scientific and non-peer reviewed publications	MCC, MMU, SIEMENS	“University installs new smart city battery to drive energy efficiency” - <a href="https://www2.mmu.ac.uk/news-and-events/news/story/7589/">https://www2.mmu.ac.uk/news-and-events/news/story/7589/</a>	19.04.2018	online	Scientific community, Customers, Other	120	United Kingdom



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
(popularised publications)							
<b>Video/Film</b>							
Video/film	GS, LYSE	Movie about Bergaastjern elderly home <a href="https://youtu.be/wKtf3hGhrk4">https://youtu.be/wKtf3hGhrk4</a>	05.12.2018	Stavanger, Norway	Media	10000	Norway
Video/film	MCC, UNIMAN	Manchester Climate Change Agency interview with Ettore Murabito (UNIMAN) - MCCA YouTube News Channel <a href="https://www.youtube.com/watch?v=NMKQaN42tzo">https://www.youtube.com/watch?v=NMKQaN42tzo</a>	28.08.2018	online	All	10	Europe
Video/film	MCC, MMU, SIEMENS	Manchester Climate Change Interview with Andrew Smythe (Siemens) - MCCA YouTube News Channel - <a href="https://www.youtube.com/watch?v=c7xMNUSrN38&amp;t=9s">https://www.youtube.com/watch?v=c7xMNUSrN38&amp;t=9s</a>	28.08.2018	online	All	10	Europe
Video/film	MCC, UNIMAN	Manchester Climate Change Agency interview with Jason Smith (UNIMAN) - MCCA YouTube News Channel - <a href="https://www.youtube.com/watch?v=zALkFIKeUGI&amp;feature=youtu.be">https://www.youtube.com/watch?v=zALkFIKeUGI&amp;feature=youtu.be</a>	10.10.2018	online	All	22	Europe
Video/film	FhG, MCC, UNIMAN	Damian Wagner & Kelly Watson interview with Manchester Climate Change Agency – Manchester GA - <a href="https://www.youtube.com/watch?v=5eH_Eap5tHs">https://www.youtube.com/watch?v=5eH_Eap5tHs</a>	17.10.2018	online	All	10	Europe
Video/film	FhG	Tech and the city   Alanus von Radecki   TEDxBonn <a href="https://youtu.be/edrYbfWg4C0">https://youtu.be/edrYbfWg4C0</a>	28.11.2018	Bonn, Germany	General Public	100	Germany, Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
Video/film	EIN	BIM based interactive enviroment, <a href="https://vimeo.com/290651723/e762f25588">https://vimeo.com/290651723/e762f25588</a>	20.09.2018	online	Policy makers, General Public	320	Netherlands
Video/film	SK, GS	Student TV interview	05.12.2018	Stavanger, Norway	Media	200	Norway
Video/film	MCC, MMU	Manchester Metropolitan University Brooks Solar PV Panels - video on Triangulum YouTube Channel - <a href="https://youtu.be/0zD9_HTairg">https://youtu.be/0zD9_HTairg</a>	08.05.2018	online	Scientific community, Industry, Civil society, Policy makers, General Public	79	Europe
Video/film	MCC, MMU	ManMet uses Triangulum EV to promote electric vehicle use in a case study video on GMEV website - <a href="https://cleanairgm.com/electric-vehicles/case-studies/mmu">https://cleanairgm.com/electric-vehicles/case-studies/mmu</a>	03.12.2018	online	General Public	0	United Kingdom
<b>Website</b>							
Website action	SEZ, IAO	Website relaunch with new design and in line with new GDPR laws	28.05.2018	online	All	1000	Europe
Website action	SEZ	Creation of an outcomes section featuring brochures and flyers for download, public deliverables for download and replication tool.	20.09.2018	online	All	1000	Europe

