



triangulum

DEMONSTRATE · DISSEMINATE · REPLICATE

D7.16 – Publications (5)

WP 7, Task 7.6

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		
Project Duration	1 st February 2015 – 31 st January 2020 (60 Months)		
Deliverable No.	D7.16 Publications (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	<p>Task 7.6 “Publications (press-releases, articles) in technical press & 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
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	Review



		Remmele / Heike Iffland (SEZ)	
20.01.2020	4	Catalina Diaz (IAO)	2 nd 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



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	EIP
Partner and Project Management Tool	Emdesk
Follower Cities	FC
Fraunhofer IAO	IAO IAO
Grant Agreement	GA
General Assembly	GenA
Horizon 2020 funding programme from the European Commission	H2020
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
Work Package	WP



1 Deliverable Description

This document delivers a summary of the publications published within M49-60 of the Triangulum project. It is related to Task 7.6 “Publications” of work package 7 “Dissemination and Communication” and constitutes Deliverable 7.16 “Publications (5)”. 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 fifth and final version of the deliverable “Publications”. It has been updated every year (M12, 24, 36, 48, 60).



2 Realisation of the Deliverable

Deliverable 7.16 provides an overview of all publications in technical press and in public press within M49-60 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: [] []

Details

Title: []

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

Title of the periodical or series: []

URL: [] Place of publication: []

Publisher: [] Open access: [v]

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

Relevant pages: []

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

Owner: [] []

Figure 1: Screenshot of reporting tool EMDESK



3 Overview of Publications

3.1 Professional and Scientific Publications

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

- 5 Articles in Journals

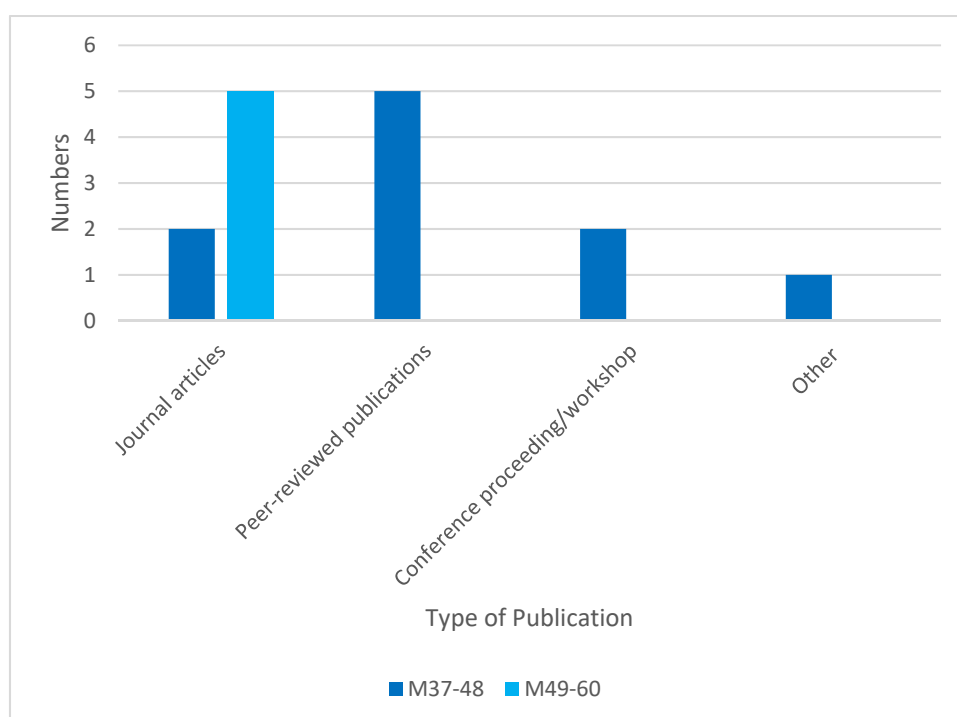


Figure 2: Comparison of scientific publications between reporting period M49-60 vs. M37-48

→ Please find the full list of professional and scientific publications in the period from 01.02.2019-31.01.2020 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 43 publications have been reported for M49-60 of the project, including:

- 21 Non-scientific and non-peer reviewed publications (popularised publications)
- 6 Press releases
- 1 Communication Campaign
- 2 Flyers/Brochures



- 3 Website actions
- 11 Publications of videos/films

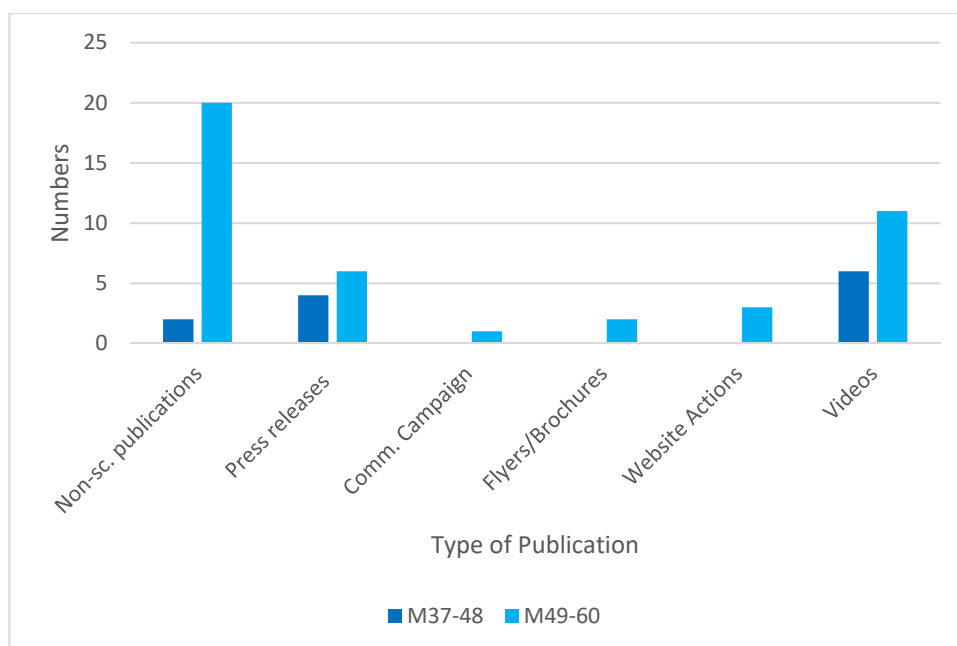


Figure 3: Comparison of non-scientific publications between reporting period M49-60 vs. M37-48

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, 90 persons are registered to receive the newsletter (Status: 21.01.2020). 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 90 out of formerly 127 subscribers, we have reached a re-subscription rate of over 70 %.

From M49-60, three newsletters have been published (April 2019, September 2019, January 2020).



Instead of the regular format chosen for the newsletter (2-3 short news updates per city), for the final newsletter published in January 2020, the D&C Secretariat decided to choose a different format. Starting with a longer editorial, each Lighthouse- and Follower City was given one entire page to sum up their main achievements as part of Triangulum and also giving a glimpse into the future. The articles in the newsletter then linked to a longer version with more information at the website. The idea for this special format was to allow each city to once more summarize their outcomes thanks to Triangulum, which will also serve as a resource for interested stakeholders that want to learn more about the results of Triangulum in the future.

→ The newsletter archive can be found on the Triangulum Website under: https://www.triangulum-project.eu/?page_id=118



Figure 4: Screenshots of the final Newsletter issue #13, January 2020

3.3.2 Triangulum Website

On the project website (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.

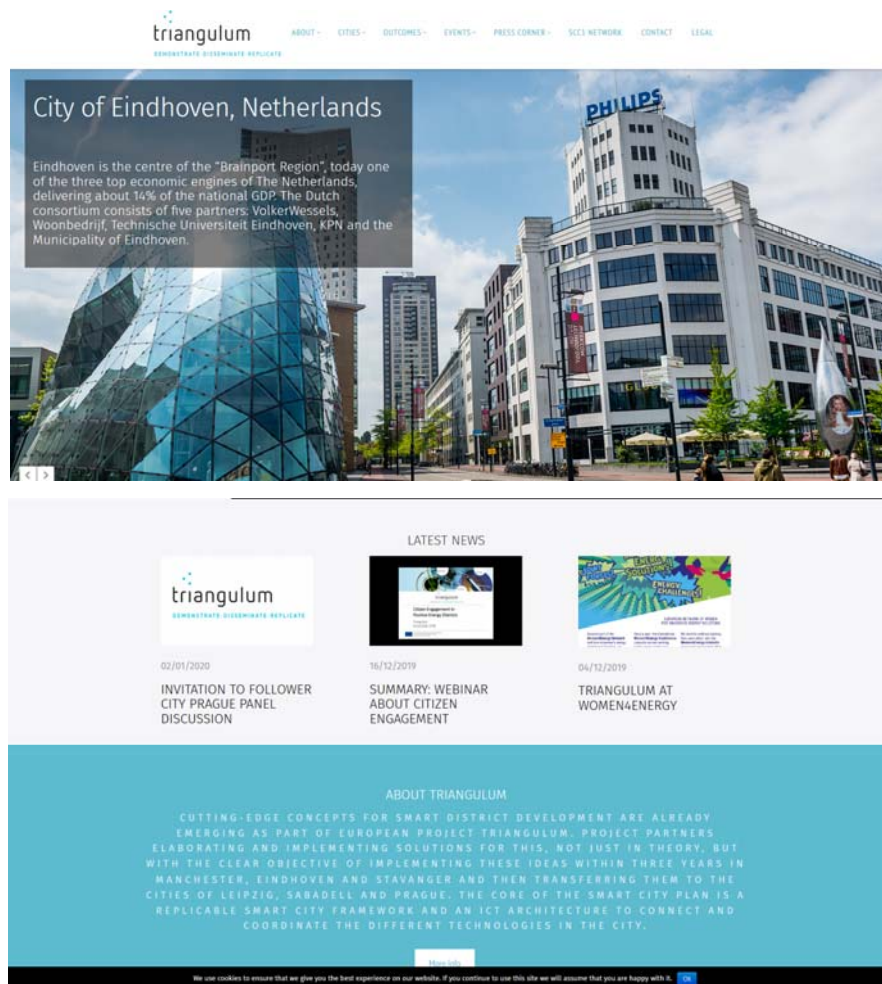


Figure 5: Screenshots of website (Status: 09.01.2020)

In fall 2019, the following changes have been made to the website:

- a subpage listing all [“scientific publications”](#) (including downloads) has been added to the “outcomes” section,
- a dedicated subpage for the “international conference” has been added as part of the events section,
- the pages “events”, “news”, “newsletter”, “videos” and “webinars” have been regularly updated based on availability of new material.



In January 2020, a number of fact sheets were added to provide a summary of the achievements and outcomes per city and the overall project. They can be found under <http://www.triangulum-project.eu/> in the “outcomes” section.



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).

Due to the increasingly important role of social media, SEZ has strongly increased the twitter activities within the fifth year to reach as broad an audience as possible.

Currently, the Triangulum twitter account has:

- 1300 Followers (over 20% increase within the last 12 months)
- 1271 Tweets (over 45 % increase within the last 12 months)
- 998 Likes (almost 60 % increase within the last 12 months)

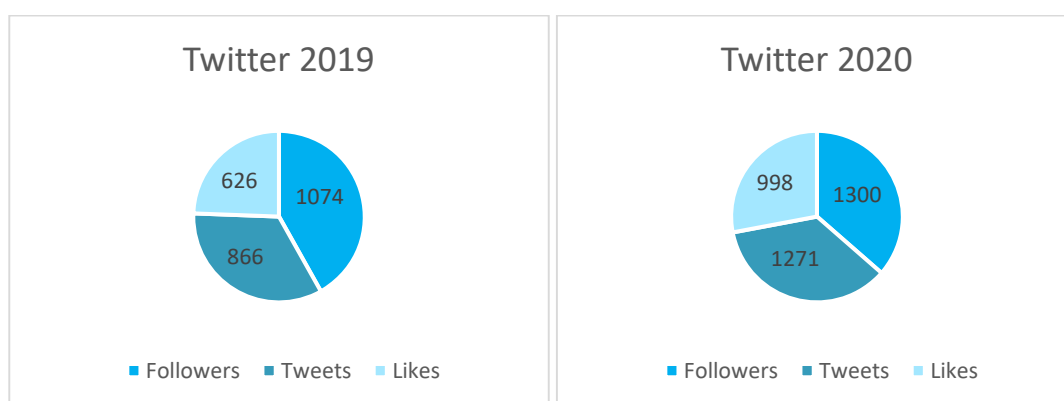


Figure 6: Comparison of Twitter Account Activity 2019 – 2020 (Status: 16.01.2019)



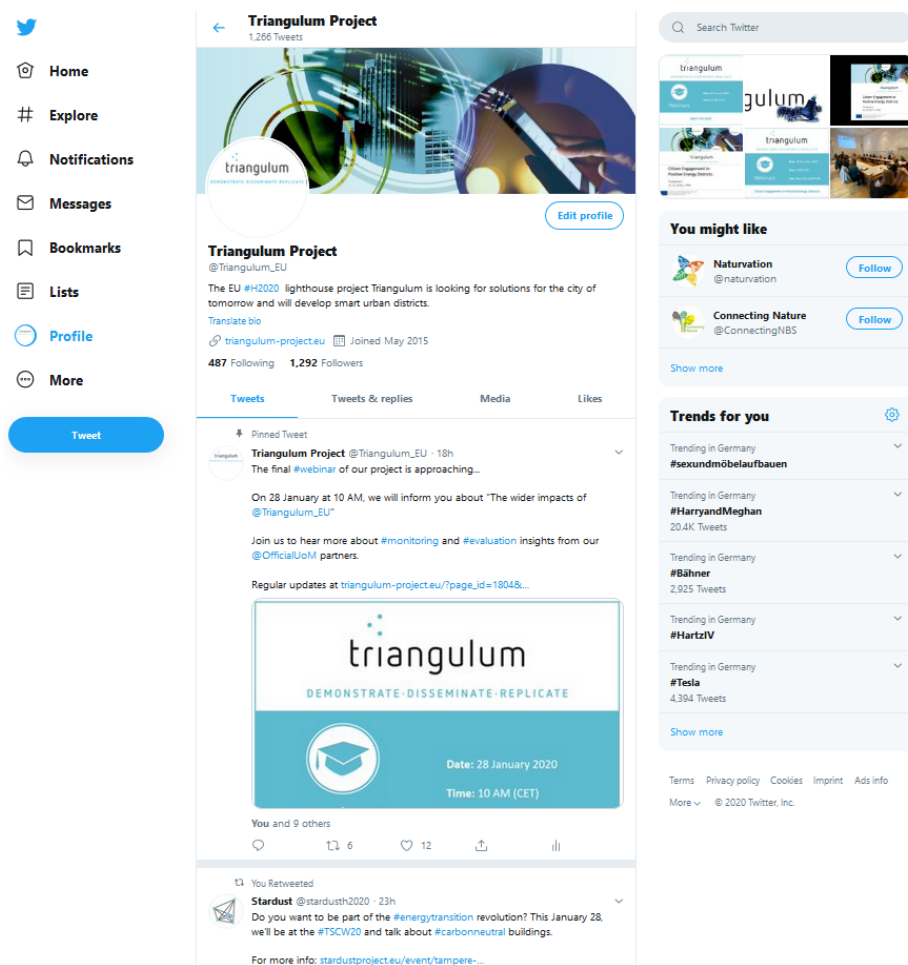


Figure 7: Screenshot of Triangulum Twitter account (status: 09.01.2020)



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), and also integrated on the project website under https://www.triangulum-project.eu/?page_id=116.

From M49-60, 9 further video clips have been produced:

Partner Short Name	Video
SK	The story about Trianglum Stavanger, https://youtu.be/AwTJZPXAob4
SK	Stavanger Unveiling of Batterie Busses, https://youtu.be/QS7glUGBvgE
SK	Stavanger Elderly Home, https://youtu.be/4qJW96CHJkM
EIN	Triangulum Eindhoven, https://youtu.be/SW0l83gw6aMc
MCC	Manchester Triangulum - Using Data, https://youtu.be/AQBXCO-dbFY
MCC, Siemens	Manchester Triangulum - Siemens Energy Installations, https://youtu.be/nff65-0l3kl
MCC	Manchester Triangulum – Energising Manchester, https://youtu.be/BZAPlvB4_jo
AJSAB	Elaboration of a video related to the Sabadell follower city implementation strategy under Triangulum, posted at http://web.sabadell.cat/triangulum
AJSAB	Video of the 7th September 2019 event "Sabatic", broadcasted during the midday journal of TVE-Catalunya, the Spanish public TV: https://twitter.com/linformatiu_tve/status/1170330176409858048 (0:43 to 0:48 devoted to the Clicks & Links Triangulum VR bike participation)



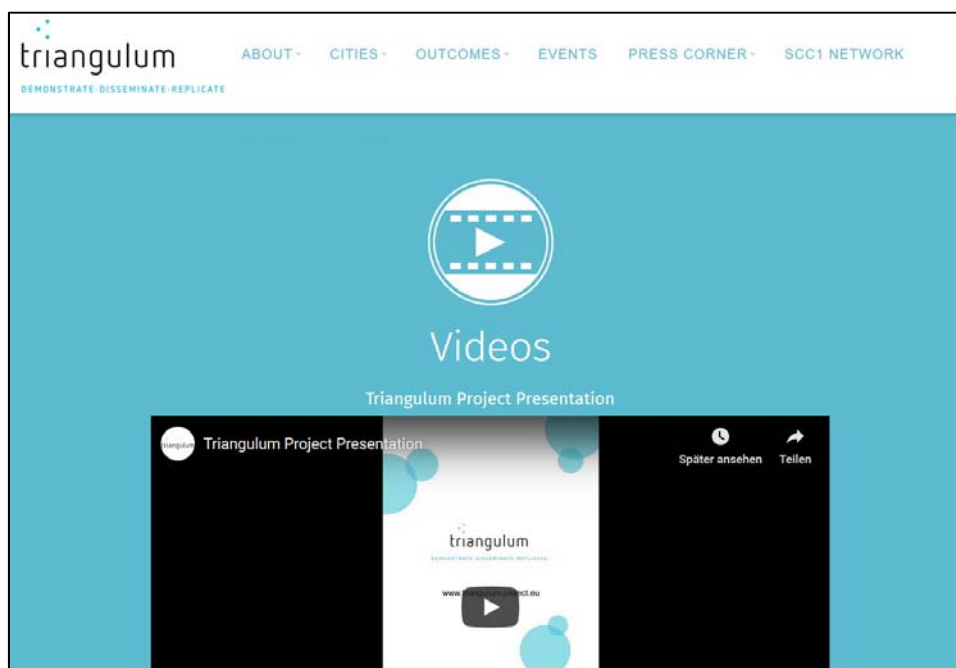


Figure 8: Overview of Triangulum Video Clips on the project website

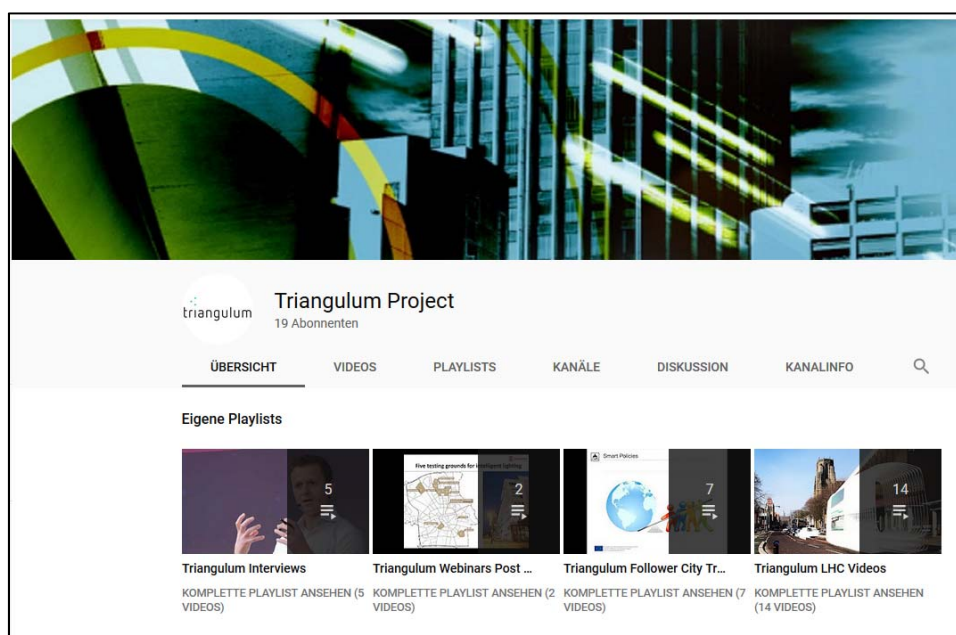


Figure 9: Triangulum YouTube Channel



3.5 Dissemination & Communication Activities of Local Consortia

The local consortia of the three Triangulum Lighthouse Cities Stavanger, Eindhoven and Manchester have produced and organised several local dissemination and communication activities as well. More detailed information about these activities 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.



4 Annex:

4.1 Annex I: Overview of Scientific Publications from M49-60

Table 1: List of Scientific Publications from M49-60

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	Simultaneous use of PV system and green roof: A techno-economic study on power generation and energy consumption	https://doi.org/10.1016/j.egypro.2018.12.037	n/a	Yasin Movahhed, Amir Safari, Sina Motamedi, Ramin Haghighi Khoshkhoo	Energy Procedia	01.02.2019	Elsevier	online	2019	478-483	NO	YES	YES
Article in Journal	Energy Peer-to-Peer Trading in Virtual Microgrids in Smart Grids: A Game-Theoretic Approach	10.1109/tsmg.2019.2934830	n/a	Kelvin Anoh; Sabita Maharjan; Augustine Ikpehai; Yan Zhang; Bamidele Adebisi	IEEE Transactions on Smartgrid	13.08.2019	IEEE	U.S	2019		NO	YES	YES



Article in Journal	Smart Wireless Power Transmission System For Autonomous EV Charging	https://doi.org/10.1109/ACCES.2019.2912931	n/a	M. Rozman, A. Ikpehai, B. Adebisi, K. Rabie, H. Gacanin, H. Ji, M. Fernando	IEEE Access	16.08.2019	IEEE	U.S	2019		NO	YES	Yes
Article in Journal	Smart Buildings Aggregator Bidding Strategy as a Negawatt Demand Response Resources in the Spinning Reserve Electricity Market	10.1109/ISGTEU.2019.8905471	n/a	Amir Safari; Mehrdad Tahmasebi; Jagadeesh Pasupuleti	IEEE PES Innovative Smart Grid Technologies Conference Europe	29.09.2019	IEEE explore	USA	2019		NO	YES	Yes
Article in Journal	Smart and sustainable cities? Pipedreams, practicalities and possibilities. Available via https://portal.research.lu.se/portal/files/69935312/Evans_et_al._2019.pdf	https://doi.org/10.1080/13549839.2019.1624701		James Evans, Andrew Karvonen, Andres Luque-Ayala, Chris Martin, Kes McCormick, Rob Raven, Yuliya Voytenko Palgan	Local Environment	Volume 24, issue 7, 03.07. 2019	T&F Online	online	2019	557-564	NO	YES	YES

Table 2. List of Scientific Publications from M49-60



4.2 Annex II: Overview of Press Releases and Articles for General Readers from M49-60

Table 3: List of Press Releases and Articles for General Readers from M49-60

Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
Communication campaign (e.g radio, TV)	GS	"Story about Triangulum" video running at Stavanger Cinema	29.09.2019	Stavanger, Norway	General Public	28,085	Norway
Press releases							
Press release	AJSAB	ress release on the implementation of videoconference solutions for the use of companies hosted at the Local centre of industrial business "Can Roqueta", under the framework of the Sabadell FCIS http://web.sabadell.cat/noticies-innovacio/noticies-triangulum/item/el-projecte-europeu-triangulum-arriba-a-la-recta-final-amb-la-replicacio-de-tecnologies-de-videoconferencia	18.03.2019	Sabadell, Spain	General Public, Media	1,173	Spain
Press release	SEZ	Press Release International Conference after event https://www.triangulum-project.eu/?p=4425	10.09.2019	online	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Investors, Customers,	1,600	Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
					Other		
Press release	SEZ	Press Release International Conference before event https://www.triangulum-project.eu/?p=4406	19.09.2019	online	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Investors, Customers, Other	1,600	Europe
Press release	GS	Press release "Triangulum International Conference"	20.09.2019	Stavanger, Norway	Media	500	Norway
Press release	SEZ	Press Release "From Dream to Reality" before event https://www.triangulum-project.eu/?p=4504	01.10.2019	online	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Investors, Customers, Other	10,500	Europe
Press release	SEZ	Press Release "From Dream to Reality" after event https://www.triangulum-project.eu/?p=4410	09.10.2019	online	Scientific community,	10,000	Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
					Industry, Civil society, Policy makers, Media, General Public, Investors, Customers, Other		
Non-scientific and non-peer reviewed publications (popularised publications)							
Non-scientific and non-peer reviewed publications (popularised publications)	SEZ	Triangulum Newsletter No. 11 https://www.triangulum-project.eu/wp-content/uploads/2019/04/Triangulum_Newsletter11.pdf	01.04.2019	online	Scientific community, Industry, Civil society, Policy makers, Media, General Public	95	Europe
Non-scientific and non-peer reviewed publications (popularised publications)	SEZ	Triangulum Newsletter No. 12 https://www.triangulum-project.eu/wp-content/uploads/2019/09/Triangulum_Newsletter12.pdf	02.09.2019	online	Scientific community, Industry, Civil society, Policy makers, Media, General Public	84	Europe
Non-scientific and non-peer reviewed publications	SEZ	Triangulum Newsletter No. 13 https://www.triangulum-project.eu/wp-content/uploads/2020/01/Triangulum_Newsletter13.pdf	31.01.2020	online	Scientific community, Industry, Civil society, Policy	90	Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
(popularised publications)					makers, Media, General Public		
Non-scientific and non-peer reviewed publications (popularised publications)	MCC	http://www.ifg.cc/en/aktuelles/nachrichten/regionen/37-eu-europaeische-union-european-union/57337-eu-30-million-triangulum-sustainable-cities-project-reaches-completion	25.09.2019	online	General Public	300	Europe
Non-scientific and non-peer reviewed publications (popularised publications)	MCC	https://www.business-reporter.co.uk/2019/11/20/e30-million-triangulum-sustainable-cities-project-reaches-successful-completion/#gsc.tab=0	25.09.2019	online	General Public	300	Europe
Non-scientific and non-peer reviewed publications (popularised publications)	MCC	https://cordis.europa.eu/article/id/411542-making-the-case-for-smart-city-development-across-europe-and-beyond/en	25.09.2019	online	General Public	300	Europe
Non-scientific and non-peer reviewed publications	MCC	https://www.eurasiareview.com/20112019-making-the-case-for-smart-city-development-across-europe-and-beyond/	25.09.2019	online	General Public	300	Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
(popularised publications)							
Non-scientific and non-peer reviewed publications (popularised publications)	MCC	https://engineering-update.co.uk/2019/09/25/e30-million-triangulum-sustainable-cities-project-reaches-successful-completion/	25.09.2019	online	General Public	300	Europe
Non-scientific and non-peer reviewed publications (popularised publications)	MCC	https://www.csomagazine.com/smart-cities/what-triangulum-sustainable-cities-project	25.09.2019	online	General Public	300	Europe
Non-scientific and non-peer reviewed publications (popularised publications)	MCC	https://news.siemens.co.uk/news/30-million-triangulum-sustainable-cities-project-reaches-successful-completion	25.09.2019	online	General Public	300	Europe
Non-scientific and non-peer reviewed publications	MCC	https://europe.businesschief.com/leadership/2842/What-is-the-ECs-Triangulum-sustainable-cities-project	25.09.2019	online	General Public	300	Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
(popularised publications)							
Non-scientific and non-peer reviewed publications (popularised publications)	MCC	https://lovedworkplace.com/triangularum-smart-cities-project-reaches-successful-completion/	25.09.2019	online	General Public	300	Europe
Non-scientific and non-peer reviewed publications (popularised publications)	MCC	https://workplaceinsight.net/triangularum-smart-cities-project-reaches-successful-completion/	25.09.2019	online	General Public	300	Europe
Non-scientific and non-peer reviewed publications (popularised publications)	MCC	https://www.intelligenttransport.com/transport-news/89150/e30-million-triangularum-sustainable-cities-project-reaches-completion/	25.09.2019	online	General Public	300	Europe
Non-scientific and non-peer reviewed publications	MCC	https://www2.mmu.ac.uk/news-and-events/news/story/11043/	25.09.2019	online	General Public	300	Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
(popularised publications)							
Non-scientific and non-peer reviewed publications (popularised publications)	AJSAB	3 articles published at the local newspaper "Diari de Sabadell" on the Triangulum implementation (june and november 2019) https://www.diaridesabadell.com/2019/06/04/innovacio-triangulum-sabadell-futur/ ; https://www.diaridesabadell.com/2019/11/22/en-portada-sabadell-smart-city-triangulum/ ; https://www.diaridesabadell.com/2019/11/18/un-tastet-de-smart-city-congress-al-bell-mig-de-sabadell/	22.11.2019	Sabadell, Spain	General Public	3000	Spain
Non-scientific and non-peer reviewed publications (popularised publications)	EIN	Article Eindhovens Dagblad 15052019	19.12.2019	Netherlands	General Public	200,000	Netherlands
Non-scientific and non-peer reviewed publications (popularised publications)	EIN	Article Eindhovens Dagblad 15052019	19.12.2019	Netherlands	General Public	200,000	Netherlands
Non-scientific and non-peer reviewed publications (popularised publications)	IPR	Information about Triangulum General Assembly in Prague in international newsletter:	30.12.2019	online	Scientific community,	115	Czech Republic,



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
reviewed publications (popularised publications)		https://mailchi.mp/3bcf6c65f568/ycp78498it-4757457			Industry, Civil society, Other		worldwide
Flyer	SEZ	Agenda Triangulum International Conference	23.09.2019	Stavanger, Norway	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Other	118	Europe
Flyers	EIN	Programme for event "Smart Cities: Shaping Cities Based on Living Labs" 21 and 22 May 2019	22.05.2019	Eindhoven, Netherlands	General Public, Other	50	Indonesia, United States, United Kingdom, India, Netherlands, Romania,
Web-site	GS	Web page: https://triangulum.no	13.01.2020	online	General public	5,000	Europe
Web-site	AJSAB	Creation of the local Triangulum website: http://web.sabadell.cat/TRIANGULUM	25.02.2019	online	Scientific community, Industry, Civil society, Policy makers, Media,	2,648	Spain



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
					General Public, Investors, Customers, Other		
Web-site	IPR	webpage informing about the interactive exhibition Urbania: https://www.urbania-vystava.cz/	30.12/2019	online	General public	5,000	Europe
Video/film	GS, SK	Stavanger Unveiling of Batterie Busses, https://youtu.be/QS7glUGBvgE	11.04.2019	Online, at Triangulum YouTube channel	Scientific community, Industry, Civil society, Media, General Public, Investors, Customers	21	Europe
Video/film	GS	The story about Triangulum Stavanger, Norwegian version, https://youtu.be/U7LjCSNoW20	22.05.2019	Online, at Triangulum YouTube channel	Scientific community, Industry, Civil society, Media, General Public, Investors, Customers	206	Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
Video/film	GS	The story about Triangulum Stavanger, English subtitles, https://youtu.be/mh38txC7Jj0	02.06.2019	Online, at Triangulum YouTube channel	Scientific community, Industry, Civil society, Media, General Public, Investors, Customers	100	Europe
Video/film	GS	The story about Triangulum Stavanger, English version, https://youtu.be/AwTJZPXAob4	03.06.2019	Online, at Triangulum YouTube channel	Scientific community, Industry, Civil society, Media, General Public, Investors, Customers	220	Europe
Video/film	AJSAB	Video of the 7th September 2019 event "Sabatic", broadcasted during the midday journal of TVE-Catalunya, the Spanish public TV: https://twitter.com/linformatiu_tve/status/1170330176409858048 (0:43 to 0:48 devoted to the Clicks & Links Triangulum VR bike participation)	07.09.2019	online	General Public	1,228	Spain
Video/film	GS, LYSE	Stavanger Elderly Home, https://youtu.be/4qJW96CHJkM	23.09.2019	Online, at Triangulum YouTube channel	Scientific community, Industry, Civil society, Media,	27	Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
					General Public, Investors, Customers		
Video/film	MCC	Manchester Triangulum - Using Data, https://youtu.be/AQBXCO-dbFY	07.11.2019	Online, at Triangulum YouTube channel	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Customers	158	Europe
Video/film	MCC, Siemens	Manchester Triangulum - Siemens Energy Installations, https://youtu.be/nff65-0l3kl	07.11.2019	Online, at Triangulum YouTube channel	Scientific community, Industry, Civil society, Media, General Public, Investors, Customers	289	Europe
Video/film	EIN	Triangulum Eindhoven, https://youtu.be/SW0l83gw6aM	28.11.2019	Online, at Triangulum YouTube channel	Scientific community, Industry, Civil society, Media, General Public, Investors, Customers	48	Europe



Type of activities	Main leader (Owner(s))	Title	Date	Place	Type of Audience	Size of audience	Countries addressed
Video/film	MCC	Manchester Triangulum – Energising Manchester, https://youtu.be/BZAPlvB4_jo	23.01.2020	Online, at Triangulum YouTube channel	Scientific community, Industry, Civil society, Media, General Public, Investors, Customers	12	Europe
Video/film	AJSAB	Elaboration of a video related to the Sabadell follower city implementation strategy under Triangulum, posted at http://web.sabadell.cat/triangulum	31.01.2020	online	Scientific community, Industry, Civil society, Policy makers, Media, General Public, Investors, Customers, Other	10	Europe

