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## **DELIVERABLE**

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### *D1.8 – Report on capacity building actions V4*

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**Project Acronym: ESPRESSO**

**Grant Agreement number: 691720**

**Project Title: systemic Standardisation approach to Empower Smart cities and communities**

**Revision: 12**

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<b>Project co-funded by the the Horizon 2020 Framework Programme of the European Union</b>		
<b>Dissemination Level</b>		
P	Public	<b>X</b>
C	Confidential, only for members of the consortium and the Commission Services	

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# 1. Revision history and statement of originality

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## 1.1. Revision history

Rev	Date	Author	Organization	Description
1	21.12.2016	Martin Fabisch	UNIKL	First Draft
2	22.12.2016	Martin Fabisch	UNIKL	Integration of further feedback
3	22.12.2016	Mario Conci	HIT	Minor changes
4	22.12.2016	Martin Fabisch	UNIKL	Update of SmaCStak statistics
5	25.06.2017	Martin Fabisch	UNIKL	Updating from v2 to v3
6	28.06.2017	Martin Fabisch	UNIKL	Integration of further feedback
7	29.06.2017	Mario Conci	HIT	Minor changes/quality check
8	25.11.2017	Martin Fabisch	UNIKL	Updating from v3 to v4
9	18.12.2017	Martin Fabisch	UNIKL	Integration of further feedback
10	20.12.2017	Mario Conci	HIT	Quality check
11	21.12.2017	Irene Facchin	TRILOGIS	Quality check
12	28.03.2018	Martin Fabisch	UNIKL	Added conclusion

## 1.2. Statement of originality

*This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.*







## 4. Executive Abstract

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The deliverable D1.9 *Report on capacity building actions V3* shows the Consortium's concept to communicate among stakeholders and members of the SmaCStak, and helps to disseminate the project's work. The approach taken by the Consortium consists of a combination of traditional capacity building actions including workshops and projects' liaisons as well as a set of dedicated virtual events.



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## 8. Capacity building actions

The report on capacity building actions will be updated every six months and include all new measures to expand the awareness of the project. It consists of two parts, which contains not only the outreach strategy with periodic events, workshops and meetings, but also virtual and formal events.

### 8.1. Outreach strategy to contact stakeholders

#### 8.1.1. Overview Reach-out activities by members

The following table (Table 1) outlines the general reach-out activities of the consortium, including the dedicated SmaCStak members. The collected information contains the number of contacted partners, the communication channels, and the collected feedback. In addition to the reach-out Overview, there are separate tables for the different Smart City target groups.

**Table 1: Overview Reach-out activities by members**

Nr	Institution	Kind of contacted partners
1	UNI KL	Partners from research & planning associations
2	HIT	Partners mainly linked to the European Innovation Partnership on Smart Cities and Communities (EIP-SCC). The amount of potential contacts is around 300 people belonging to different Action Clusters (ACs).
3	ETSI	Partners from IoT/Smart City alliances, SDOs Technical Bodies, H2020 Research and Innovation projects, CEN/CENELEC/ETSI Std Mandate Coordination Groups
4	ROTTERDAM	Local SME, large enterprises and neighbouring cities
5	VCS	Partner cities (Berlin, Hamburg, Vienna, Helsinki and Hannover)
6	PWC	Smart city relevant "umbrella" organizations, Private companies, Local, regional and national authorities
7	ISOCARP	Urban planners and policy makers, cities, industry, R&D
8	ATOS	BDVA, OASC and its city network of 89 cities
9	DIN	Partner cities (Munich, Cologne, Lyon, Vienna), as well as partners associated with DIN's smart cities activities, such as Deutsche Telekom, IBM, Siemens,





		Ernst & Young, Deloitte, Altran, German City Association)
10	BRE	Partners linked to open standard development such as BSUKI and OS. Other partners involved in research such as Cardiff University, Digital Greenwich. Stakeholders through events like Eco-build, BIM Projects, BIM Level 3 & Beyond.
11	OS	Partners linked to open standard, Smart City initiatives, NSBs & SDOs
12	OGC	Partners linked to open standard, Smart City initiatives, NSBs & SDOs
13	FRAUNHOFER	Partner Cities (Hamburg, London, Rome, Lyon, Munich, Vienna, Eindhoven, Manchester, Stavanger), partners from related H2020 research projects (Smarticipate, Smarter Together, Triangulum), local SMEs (wetransform), customer contacts
14	TRILOGIS	Partners linked to open standard and SMEs
15	TARTU	Tartu Smart City Coordination Group, Estonian SMEs, Telia Estonia, Forum Estonia.
16	LOCALIDATA	Local NSBs & SDOs



## 8.1.2. All target Groups

**Table 2: EIP-SCC General Assembly**

<b>Name of the activity</b>	EIP-SCC General Assembly – Urban Data Platform Breakfast Table	
<b>Date and location</b>	<b>12/10/2017</b>	<b>Brussels, Belgium</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input type="checkbox"/> Part. in activity organized jointly with other H2020 Projects <input type="checkbox"/> Press release <input type="checkbox"/> Part. to a Conference <input checked="" type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media <p style="text-align: center;"><i>Part. = Participation</i></p>	
<b>Approximate number of reached people</b>	10	
<b>Website</b> <i>if available</i>	n/a	
<b>Short Description of the activity/event</b>	<p>Goal of the table was to discuss about specific issues related to technological platforms with some members from the Urban Platform initiatives of the EIP-SCC. A representative of ESPRESSO was invited to take part to the discussion. Here below the agenda of the session.</p> <p><b>Agenda</b></p> <p>It's time for action! Since multiple (EIP) guidance documents are now delivered and there are more than 100 MoU/LoI committed organizations (90 MoU signatories and 109 LoI cities – likely 38 individual cities and 2 networks of cities), we aims to identify what's blocking open standard application at scale in EU cities.</p> <p><b>Objective</b></p> <ul style="list-style-type: none"> <li>• For cities, industry, investors and other players with experiences in investing in Smart Cities solutions to meet and share their interests, views and businesses;</li> <li>• Consolidate some well-advanced opportunities in terms of moving them closer to the market and certainly understanding what steps will shift these to action in the market;</li> <li>• What is required to get more stakeholders as regards use of the materials we have produced and which are the top 3 constraints blocking progress.</li> </ul>	



**Table 3: Smart City Expo World Congress**

<b>Name of the activity</b>	Smart City Expo - incl standards workshops (ISO/IEC/ITU)	
<b>Date and location</b>	<b>14-16/11/2017</b>	<b>Barcelona, Spain</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input type="checkbox"/> Part. in activity organized jointly with other H2020 Projects	<input type="checkbox"/> Press release <input checked="" type="checkbox"/> Part. to a Conference <input checked="" type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input checked="" type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media
	<i>Part. = Participation</i>	
<b>Approximate number of reached people</b>	18.700 visitors	
<b>Website</b> <i>if available</i>	<a href="http://www.smartcityexpo.com/home">http://www.smartcityexpo.com/home</a>	
<b>Short Description of the activity/event</b>	<p>The year high mass of everything 'Smart City'. ESPRESSO presented to results of the project at the booth of EIP SCC.</p> <p>The cities that were present/had a stand subscribed to the MIM/PPI idea! ESPRESSO gets invites to go to cities and present the finding/results of the project.</p>	



### 8.1.3. Policy Makers

**Table 4: Presentation of ESPRESSO to cities involved in other H2020 SC Projects: Athens**

<b>Name of the activity</b>	Presentation of ESPRESSO to cities involved in other H2020 SC Projects: Athens	
<b>Date and location</b>	<b>21/11/2017</b>	<b>Athens, Greece</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input checked="" type="checkbox"/> Part. in activity organized jointly with other H2020 Projects	<input type="checkbox"/> Press release <input type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media
	<i>Part. = Participation</i>	
<b>Approximate number of reached people</b>	5	
<b>Website</b> <i>if available</i>	n/a	
<b>Short Description of the activity/event</b>	<p>The meeting with Athens officials was attended to by Katerina Gkoutziouli, George Stefas, Sophia Handaka, Maria Felidou and Amalia Zepou – Vice Mayor for civil society and innovation.</p> <p>The officials are involved in the Horizon2020 H2020-SC5-2016-2017 project ROCK: Regeneration and Optimisation of Cultural heritage in creative and Knowledge cities, and are currently preparing to use innovative ICT solutions to revitalize and regenerate their cities and as such, were interested in approaching the task through the perspective of KPI and standards.</p> <p>The discussion was focused on culture as a means for urban regeneration, while providing the proper technical framework and environment to facilitate social inclusion and cohesion through enhanced cultural heritage accessibility (physical, economic, social and emotional). Dr. Pietro Elisei presented the ESPRESSO project and its logic and invited the participants to subscribe to the SmaCStak.</p>	



### 8.1.4. Industry

**Table 5: AIOTI WG08**

<b>Name of the activity</b>	AIOTI WG08	
<b>Date and location</b>	<b>18/09/2017</b>	<b>Brussels, Belgium</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Press release <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Part. to a Conference <input type="checkbox"/> Scientific publication (reviewed) <input checked="" type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Non-scientific publication <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Part. in activity organized jointly with other H2020 Projects <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media <p style="text-align: right;"><i>Part. = Participation</i></p>	
<b>Approximate number of reached people</b>	20	
<b>Website</b> <i>if available</i>	<a href="http://ec.europa.eu/information_society/newsroom/image/document/2017-7/aioti - wq08_charter_CDE54902-FD36-E60E-0307DACC25BBBD96_42888.pdf">http://ec.europa.eu/information_society/newsroom/image/document/2017-7/aioti - wq08_charter_CDE54902-FD36-E60E-0307DACC25BBBD96_42888.pdf</a>	
<b>Short Description of the activity/event</b>	<p>ESPRESSO presented the MIM/PPI approach to the AIOTI WG08 group. They were somewhat lukewarm to the idea, MIM/PPI applies more to the higher layers of the hamburger slide, less the lower layers that are very technical.</p> <p>OneM2M is a group of standards (PPI) for the lower layers.</p>	



**Table 6: GEO BIM**

<b>Name of the activity</b>	GeoBIM	
<b>Date and location</b>	<b>24/11/2017</b>	<b>Amsterdam, Netherlands</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input checked="" type="checkbox"/> Part. in activity organized jointly with other H2020 Projects <input type="checkbox"/> Press release <input type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media <p style="text-align: center;"><i>Part. = Participation</i></p>	
<b>Approximate number of reached people</b>	80	
<b>Website</b> <i>if available</i>	<a href="http://www.geo-bim.org/europe/">www.geo-bim.org/europe/</a>	
<b>Short Description of the activity/event</b>	<p>ESPRESSO promote/present the use of 3D City Models - that has been increasingly is been used by cities.</p> <p>Presented best practice examples: 3D simulation technologies (Cenaero), Education in Energy for Smart Cities (KU Leuven), Starfish (sensor in 3D models), etc.</p>	



### 8.1.5. Industry & Policy Makers

**Table 7: EIT Digital 2017**

<b>Name of the activity</b>	EIT Digital - Italian Innovation Day & Challenge final Digital Cities 2017	
<b>Date and location</b>	<b>28/11/2017</b>	<b>Trento - Italy</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input type="checkbox"/> Part. in activity organized jointly with other H2020 Projects <input type="checkbox"/> Press release <input type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input checked="" type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media  <i>Part. = Participation</i>	
<b>Approximate number of reached people</b>	15	
<b>Website</b> <i>if available</i>	<a href="https://www.eitdigital.eu/italian-innovation-day/">https://www.eitdigital.eu/italian-innovation-day/</a>	
<b>Short Description of the activity/event</b>	The event was dedicated to presentation of companies and startup in the field of Smart Cities. A brokerage session followed. The ESPRESSO project was presented during the networking sessions.	



### 8.1.6. Scientific community & Industry

**Table 8: OGC TC**

<b>Name of the activity</b>	OGC TC	
<b>Date and location</b>	<b>11-15/09/2017</b>	<b>Southampton, England</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input type="checkbox"/> Part. in activity organized jointly with other H2020 Projects <input type="checkbox"/> Press release <input checked="" type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media  <i>Part. = Participation</i>	
<b>Approximate number of reached people</b>	120	
<b>Website</b> <i>if available</i>	<a href="http://www.opengeospatial.org/event/1709tc">http://www.opengeospatial.org/event/1709tc</a>	
<b>Short Description of the activity/event</b>	<p>Further develop the MIM/PPI messaging with the standards community - they welcome the idea.</p> <p>Overarching frameworks (cfr Bordeaux meeting) is not the way to go.</p>	





**Table 9: Journées Interopérabilité et Innovation**

<b>Name of the activity</b>	Journées Interopérabilité et Innovation	
<b>Date and location</b>	<b>07/11/2017</b>	
<b>Type of activity</b> <i>only one answer</i>	<input checked="" type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input type="checkbox"/> Part. in activity organized jointly with other H2020 Projects	<input type="checkbox"/> Press release <input type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media
	<i>Part. = Participation</i>	
<b>Approximate number of reached people</b>	150	
<b>Website</b> <i>if available</i>	<a href="http://www.forumogcfrance.org/fr/page/programme-journee-interoperabilite-innovation-2017">http://www.forumogcfrance.org/fr/page/programme-journee-interoperabilite-innovation-2017</a>	
<b>Short Description of the activity/event</b>	Present ESPRESSO in the world of 3D (construction companies). The digital twin idea need the support of the 3D representation of the city using CityGML.	



### 8.1.7. Industry, General Public & Policy Makers

**Table 10: ISO Cities**

<b>Name of the activity</b>	ISO Cities set Standards to be Smarter and more Sustainable	
<b>Date and location</b>	<b>19/09/2017</b>	<b>Brussels, Belgium</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input checked="" type="checkbox"/> Part. in activity organized jointly with other H2020 Projects <input type="checkbox"/> Press release <input type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media <p style="text-align: center;"><i>Part. = Participation</i></p>	
<b>Approximate number of reached people</b>	200	
<b>Website</b> <i>if available</i>	n/a	
<b>Short Description of the activity/event</b>	<p>ESPRESSO presented the MIM/PPI approach to the AIOTI WG08 group. They were somewhat lukewarm to the idea, MIM/PPI applies more to the higher layers of the hamburger slide, less the lower layers that are very technical.</p> <p>OneM2M is a group of standards (PPI) for the lower layers.</p>	



### 8.1.8. Scientific Community, Industry & Policy Makers

**Table 11: Presentation of ESPRESSO in the AESOP 2017 Congress**

<b>Name of the activity</b>	Presentation of ESPRESSO in the AESOP 2017 Congress	
<b>Date and location</b>	<b>13/07/2017</b>	<b>Lisbon, Portugal</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input type="checkbox"/> Part. in activity organized jointly with other H2020 Projects	<input type="checkbox"/> Press release <input checked="" type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media
	<i>Part. = Participation</i>	
<b>Approximate number of reached people</b>	80	
<b>Website</b> <i>if available</i>	<a href="http://www.aesop2017.pt">www.aesop2017.pt</a>	
<b>Short Description of the activity/event</b>	<p>ESPRESSO presented the project at the 2017 International AESOP Congress.</p> <p>„ESPRESSO: A roadmap in measuring the performance of smart and sustainable cities and communities“ was presented on July 13 2017, in the session T14.S01 (09:00 - 11:15). The presentation was well attended and received, and managed to spark interest among policy makers and researchers working in the field of Smart Cities and territorial monitoring / planning.</p>	



**Table 12: REAL CORP 2017 Conference**

<b>Name of the activity</b>	Presentation of ESPRESSO in the REAL CORP 2017 Conference	
<b>Date and location</b>	<b>13/09/2017</b>	<b>Vienna, AUSTRIA</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input type="checkbox"/> Part. in activity organized jointly with other H2020 Projects <input type="checkbox"/> Press release <input checked="" type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media <p style="text-align: center;"><i>Part. = Participation</i></p>	
<b>Approximate number of reached people</b>	16 for the session, ca. 65 in total	
<b>Website</b> <i>if available</i>	<a href="http://www.corp.at">www.corp.at</a>	
<b>Short Description of the activity/event</b>	<p>ESPRESSO presented in the second day of the REAL CORP 2017 Conference themed „Panta Rhei – A world in constant motion“.</p> <p>The presentation witnessed much interest, and sparked a discussion / cross-fertilization between it and another project presentation tackling territorial attractiveness KPI and monitoring (DTP Attractive Danube project). There is a possibility to cross-fertilize between the two projects and to bring the experience of ESPRESSO, which surveyed many standards and indicator sets (including ISO, ETSI, CEN/CENELEC and CityKeys) in the Attractive Danube project, and vice-versa. This possibility is currently being pursued in a Steering Committee Meeting of Attractive Danube (29 November 2017).</p>	



**Table 13: ISOCARP / OAPA 2017 Joint Conference**

<b>Name of the activity</b>	Presentation of ESPRESSO in the ISOCARP / OAPA 2017 Joint Conference	
<b>Date and location</b>	<b>27/10/2017</b>	<b>Portland, Oregon, USA</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input type="checkbox"/> Part. in activity organized jointly with other H2020 Projects <input type="checkbox"/> Press release <input checked="" type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media <p style="text-align: center;"><i>Part. = Participation</i></p>	
<b>Approximate number of reached people</b>	25	
<b>Website</b> <i>if available</i>	<a href="https://isocarp.org/53rd-annual-congress">https://isocarp.org/53rd-annual-congress</a>	
<b>Short Description of the activity/event</b>	<p>Presentation on ISOCARP and OAPA 53rd ISOCARP Congress: The Systemic Approach to Interoperable Standards: A Linchpin for the Future of Smart Cities and Communities.</p> <p>ISOCARP Congress, as a main activity of our association, is an important place for dissemination of ESPRESSO project, due to the fact that we are to reach directly a wide number of policy makers and practitioners. This year's congress title was "Smart Communities", and the ESPRESSO presentation was very well received.</p>	



**Table 14: Morgenstadt Werkstatt**

<b>Name of the activity</b>	Morgenstadt Werkstatt	
<b>Date and location</b>	<b>29/- 30/11/2017</b>	<b>Stuttgart, Germany</b>
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input type="checkbox"/> Part. in activity organized jointly with other H2020 Projects <input type="checkbox"/> Press release <input checked="" type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media <p style="text-align: center;"><i>Part. = Participation</i></p>	
<b>Approximate number of reached people</b>	200	
<b>Website</b> <i>if available</i>	<a href="https://www.morgenstadt.de/de/veranstaltungen/werkstatt-2017.html">https://www.morgenstadt.de/de/veranstaltungen/werkstatt-2017.html</a>	
<b>Short Description of the activity/event</b>	11 different Fraunhofer institutes, 14 cities of varying sizes and 22 companies engaged in activities from automotive development to urban planning have come together to create the innovation network »Morgenstadt: City Insights« in order to collaboratively conceptualize and realize the future of an integrated, sustainable, liveable and resilient city of tomorrow.	



### 8.1.9. Scientific Community, Industry, Civil Society & General Public

**Table 15: ICT Proposers Day**

<b>Name of the activity</b>	ICT Proposers Day	
<b>Date and location</b>	<b>09/11/2017</b>	
<b>Type of activity</b> <i>only one answer</i>	<input type="checkbox"/> Organization of a Workshop <input type="checkbox"/> Organization of a Webinar <input type="checkbox"/> Scientific publication (reviewed) <input type="checkbox"/> Non-scientific publication <input checked="" type="checkbox"/> Part. in activity organized jointly with other H2020 Projects	<input type="checkbox"/> Press release <input type="checkbox"/> Part. to a Conference <input type="checkbox"/> Part. to a Workshop <input type="checkbox"/> Part. to other Event <input type="checkbox"/> Trade Fair <input type="checkbox"/> Video / Film <input type="checkbox"/> Social Media
	<i>Part. = Participation</i>	
<b>Approximate number of reached people</b>	25	
<b>Website</b> <i>if available</i>	<a href="https://ec.europa.eu/digital-single-market/en/events/ict-proposers-day-2017">https://ec.europa.eu/digital-single-market/en/events/ict-proposers-day-2017</a>	
<b>Short Description of the activity/event</b>	<p>EC asked ESPRESSO to talk about the benefits of standards in EC funded projects.</p> <p>SDO are a positive value to H2020 projects, as they can help the sustainability of the project results - example: ESPRESSO results being used by the Smart City DWG.</p> <p>EC indicates that proposals with SDO's in it will get more points.</p>	



### 8.1.10. SmaCStak – Network

The following sections show details regarding the SmaCStak and its constitution after two years of project work.

**Table 16: Members of the SmaCStak**

<b>SmaCStak-Details (December 2017)</b>	
Members in total	165
Countries	29 (UK 18 %, Germany 14 %, Belgium 10 %, Italy 8 %, Spain 8 %, Netherlands 8 %, Other 34 %)
Nature of organizations (multiple answers possible)	Top 5: Public 29 %, Private 28%, Research Institutions 18 %, City/Municipality 13 %, NGO 6 %

#### 8.1.10.1. SmaCStak Coordination Group (SCG)

The SmaCStak is coordinated by the SmaCStak Coordination Group (SCG). SCG is composed of representatives from public and private sector. Main role of the SCG is to proactively Coordinate and Guide the SmaCStak by: Ensuring strategic guidance of the network; Actively stimulating dialogues to pool experiences and know-how; and sharing ideas, resources, and explore possible cooperation.

The members of the SCG, listed below, have also committed to extend the reach out to their respective organizations and networks.

**Table 17: Members of the SmaCStak Coordination Group**

<b>Member</b>	<b>Affiliation</b>	<b>Representative of:</b>
<b>Lluisa Marsal</b>	Future Cities Catapult/BSI	CEN-CENELEC-ETSI SSCC-CG
<b>Patrick Guillemin</b> <b>Philippe Moretto</b>	ETSI	
<b>Rob Poll-van Dasselaar</b>	ROTTERDAM	Pilot cities
<b>Rene Tonnisson</b>	TARTU	
<b>Joachim Lonien</b>	DIN	SDOs and NSBs
<b>Daniel Homorodean</b>	Cluj IT CLUSTER	Academia, Industries and SMEs
<b>Antonio Kung</b>	TRIALOG/EIP-SCC	
<b>Nikolaos Kontinakis</b>	EUROCITIES	Network of cities





## 8.2. Virtual events

New and innovative internet-based tools should help to raise the awareness of the project and improve the communication among stakeholders of the SmaCStak along with other dissemination actions on social media and ESPRESSO Webinars for example. ESPRESSO develops a Virtual Collaboratorium called the ESPRESSO Discussion Portal (EDP) to communicate among stakeholders of the SmaCStak.

### 8.2.1. Discussion Portal

The ESPRESSO discussion portal is available on the ESPRESSO website. During the project it was based on the DIN-Connect service and were used for the communication between the ESPRESSO consortium and the SmaCStak community. To ensure the use and the support of the EDP after the project duration it was integrated into the ESPRESSO LinkedIn-group. The EDP can be used to discuss the topics of the ESPRESSO webinars in more details. It can also be used to exchange Smart City and Standard related topics with SmaCStak community.

### 8.2.2. Webinars

ESPRESSO has organized a series of ESPRESSO webinars for encouraging the outreach activities. Project's partners and members of the SmaCStak's coordination group have been involved in the delivery of such webinars. Webinars have been organized since July 2016.

**Table 18: ESPRESSO Webinars**

WHEN	WHO	Title	ABSTRACT
<b>21/07/2016</b>	ISOCARP	Smart City Indicators	Smart development represents a crucial factor for cities, both allowing them to gain competitive positioning on the map of Europe, but also strongly influencing the quality of life. On the path to „becoming Smart“, cities have a lot of key ingredients to consider: Leadership, Vision, Data, Participation, Communication, Innovation and Standards. Standards are the building blocks which support the different systems coming together, creating a common understanding and the possibility to track performance, and progress. Because cities need to have the possibility to measure their performance while implementing smart city strategies and solutions, ESPRESSO is setting up a City Information and Indicator Platform, as a portal to collect and share data required for indicator definition and a tool for city self-



			assessment. The platform will also represent a tool for promoting integrated urban approaches, supporting smart sustainable urban regeneration and development strategies.
<b>30/08/2016</b>	ROTT	Rotterdam Geo Information Management: from hypes to solutions	Rotterdam is one of the pilot cities in the Espresso Project. One of our aims as pilot city is to bring theory into practice. In this webinar Joris Goos will give his view on what role Geo Information can play in the Smart City approach, hereby focusing on the need of open standards and models. What problems do we encounter these days and how can we solve them? Should we introduce yet another system, should we use the solution of that one key-vendor? Or should we rather try to speak a common language, use existing information to enrich our data and make connections throughout different domains?
<b>16/09/2016</b>	OS	Smart City Standards and Architecture	This webinar will provide the opportunity for cities to share their experiences in relation to selection and application of standards and Ordnance Survey will guide the SmaCStak members through what has been done, how it all fits together allowing discussion on the implications.
<b>14/10/2016</b>	PWC	Funding and Procurement approaches applied to Smart Cities	Existing as well as emerging economic, financial and procurement models can be applied in various sectorial services of actual and future Smart City (SC) scenarios. This deliverable presents the most relevant and novel funding and procurement approaches applied to the SC domain. A special focus is also dedicated to the most appropriate operating models that can guarantee financial sustainability over time of SC projects. Relevant use cases of SC solutions have been collected in order to emphasize different successful approaches depending on the specific city needs as well as funding, financial and procurement models adopted.



<b>10/11/2016</b>	TARTU	Smart City best practices: The City of Tartu	The webinar will introduce the main Smart City developments in currently under implementation in City of Tartu including activities related to retrofitting, energy efficiency, electric mobility, citizen engagement and ICT applications.
<b>15/12/2016</b>	Lluïsa Marsal (SCG)	United for Smart Sustainable Cities	U4SSC initiative, a joint partnership between UN and ITU. It is a pre-standardisation group which aim is to prepare policy standards to help implement the SDGs (Sustainable development Goal), in particular Goal 11 and UN's New Urban Agenda.
<b>19/01/2017</b>	Peter Bosch (TNO) Aapo Huovila, (VTT) Daniel Sarasa (City of Zaragoza)  In collaboration with EURO CITIES	The CITYKEYS Project	The aim of CITYkeys project was to develop and validate, with the aid of cities, a performance measurement framework for the common and transparent monitoring as well as the comparability of smart city solutions across European cities. The development of the framework included the key performance indicators (KPIs), the data collection procedure, the methods to calculate the indicators as well as policy and business model recommendations for the use of indicators. The project has built on existing performance measurement frameworks and has proposed the use of open standards and interfaces. It has also aspired to be the first framework that has a specific European approach and treats the smart city objectives and smart city projects in a holistic way.
<b>07/04/2017</b>	Daniel Homorodean (SCG - Cluji IT Cluster)	The perspective and potential of standardizing operational processes in the administration across EU, with a focus on Life Events	As citizens of an integrated Europe, we can work, relocate, conduct business in any member state and we expect that our relationship with the administration should be predictable and consistent anywhere. Yet, we are not there. From one state to another and even from one city to another our interaction with the administration is different, following particular action flows, documents and timelines. The need for standardization is highly emphasized at EU level and consistent activity is taking place in various domains of the



			administration, like procurement, invoicing, e-signatures, reuse of public data, data protection and privacy. Some countries pioneer their own standards in other domains, preceding a larger European approach. But what is the perspective for standardizing the Life Events at EU level? In this webinar, we will explore it together.
<b>26/04/2017</b>	Rebecca Retail (Green Digital Charter) Daniel Sarasa (Zaragoza City Council) Antonio Kung (EIP-SCC 'Citizen Focus' Action Cluster) In collaboration with Green Digital Charter.	Data management and citizens' privacy in smart cities open governance	Thanks to smartphones and apps, Internet of Things (IoT) devices, networks and sensors deployed throughout public spaces, cities are collecting vast amounts of data beneficial for the 'public good'. This data enables municipalities to develop better-informed decision-making and improve public services (waste management, traffic prediction, energy efficiency). This webinar intends to show how data management processes by city administrations and use of privacy-by-design standards are key to build trust and resilience in smart cities and open data.
<b>13/06/2017</b>	Bart De Lathouwer (OGCE) Progressive Project (Alexandra Engelt) Remourban (Maria Luisa Mirantes - Xeridia)	ESPRESSO: Standards and reference architecture enabling a smart city urban platform! Open debate with Smart City Projects.	Many Smart City solutions are based on sophisticated information and communication technologies. However, technological complexity, as well as the complexity of the various sectorial services involved within a Smart City, require a system approach to standardisation. Such an approach must promote the greatest possible reuse of existing open standards to accelerate Smart City deployment. In an effort to leverage the promise of a system approach, ESPRESSO (Espresso – systemic standardisation approach to Empower Smart cities and communities) focuses on the development of a conceptual Smart City Information Framework based on open standards. In this webinar, we discuss our first findings with other Smart City Projects. It will be an opportunity to get to know the ESPRESSO <b>Smart City platform</b> and have an overview of the relevant open standards, technologies, and



			information models that constitutes the platform.
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## 9. Conclusion

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The consortium keeps the focus on presenting the pilot activities on different scaled events. This was very important to share the results with non-technical audience. To keep the results of ESPRESSO in mind it is very important that the consortium member will share the results after the project. This can be done by presenting ESPRESSO at events or use the outcomes in other projects.