



DELIVERABLE

D1.6 – Report on capacity building actions V2

Project Acronym: ESPRESSO

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1. Revision history and statement of originality

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	23.12.2016	Irene Facchin	TRILOGIS	Quality Check

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This deliverable contains original unpublished work except where clearly indicated otherwise.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.



3. Table of Acronyms

Acronym	Description
AC	<i>Action Cluster</i>
CSI	<i>Cities Standards Institute</i>
BDVA	<i>Big Data Value Association</i>
ECP	<i>ESPRESSO Content Portal</i>
EDP	<i>Espresso Discussion Portal</i>
EIP-SCC	<i>European Innovation Partnership on Smart Cities and Communities</i>
ERRIN	<i>European Regions Research and Innovation Network</i>
GDPR	<i>General Data Protection Regulation</i>
OASC	<i>Open and agile Smart Cities</i>
SCG	<i>SmaCStak Coordination Group</i>
SmaCStak	<i>Smart City Stakeholder Network</i>
SSCC CG	<i>Smart and Sustainable Cities and Communities Coordination Group</i>
SSEWC	<i>Smart City Expo World Congress</i>



4. Executive Abstract

The deliverable D1.6 *Report on capacity building actions V2* 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. 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 every partner with further Reach-Out-activities (Tables 2-21).

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

8.1.1.1. UNI KL

The Department of Applied Physical Geography and the Department of CAD & Planning Methods in Urban Planning and Architecture (CPE) at the University of Kaiserslautern established contacts especially to other universities with the research focus on urban and regional planning, as well as to planning practitioners and planning associations. They publish a project description in the annual report of the "Universitärer Potentialbereich Region und Stadt" (Research area of regional and communal development) to build up capacity in the research community.



Table 2: Smart City Expo.

Type of Event (Conference, Workshop, ...):	Conference
Name of the Event:	Smart City Expo Barcelona
Date of event:	November 15 th -17 th , 2016
Approximate number of participants:	12 000
Short Description of the event:	<p>The Smart City Expo World Congress tries to link the urban reality with the technological revolution. The management team of the EIP-SCC Market Place, in collaboration with other Smart Cities projects funded by the European Commission, had a stand at the Expo to answer all the questions from the audience and give them advice on topics related to smart cities and communities.</p> <p>ESPRESSO take part at the stand of EIP Smart Cities and Communities. During the Expo the Partner from ATOS and Rotterdam have presented the ESPRESSO project to the audience.</p>



Figure 1: UNIKL, ATOS, OGC and Rotterdam at Smart City Expo World Congress.



8.1.1.2. HIT

In the last six months HIT has contacted stakeholders linked mainly with the European Innovation Partnership on Smart Cities and Communities (EIP-SCC) Network. Further details are explained in the tables below. Specifically, two cities within the EIP-SCC network have been asked to register to the SmaCStak and to share their best practices via a webinar. They are:

- City of Haarlem (September, 2016): Jan Koers
- City of Gjesdal (October, 2016): Eva-Maria Gartner

HIT has also been responsible for the organization of webinars that are described in the following section.

Table 3: Engineering Trends and Business Opportunities for Smart Cities.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	ENGINEERING TRENDS AND BUSINESS OPPORTUNITIES FOR SMART CITIES
Date of event:	September 13 th , 2016
Approximate number of participants:	15
Short Description of the event:	<p>Public administrations, companies and citizens are looking for the best policies and technologies to address crucial issues and threats for the modern globalized world, while ensuring social cohesion, environmental sustainability and economic profitability. Due to their high complexity, such general problems have to be approached from different and complementary perspectives, possibly involving experts from public administration, industry, universities and research centers. The conceived solutions promote the evolution of the so-called smart cities.</p> <p>HIT has been invited to present ESPRESSO and related initiatives.</p> <p>Link: http://webmagazine.unitn.it/evento/dii/10361/engineering-trends-and-business-opportunities-for-smart-cities</p>



Table 4: General Data Protection Regulation.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	General Data Protection Regulation – Are You Up to Speed?
Date of event:	September 22 nd , 2016
Approximate number of participants:	10
Short Description of the event:	<p>The EIP-SCC Initiatives on Citizen-Centric Approach to Data and Urban Platforms, in collaboration with ERRIN (the European Regions Research and Innovation Network), organised a workshop on GDPR (General Data Protection Regulation) that took place in Brussels on September 22nd 2016. The main goal of the event was to collect feedback from experts on privacy-related issues and define measures for supporting GDPR actual implementation.</p> <p>The workshop participants discussed smart city initiatives (e.g. in Haarlem) and projects (e.g. SmartEnCity) and how privacy management should be integrated. A proposal for specific bilateral workshops was made so that (1) specific needs of the city or project would be captured and (2) best practices could be defined and exchanged. ERRIN suggested organising some workshops with some its members (e.g. Zealand region).</p> <p>HIT was part of the organizers of the workshop and connection with the speakers have been established.</p> <p>Link: https://eu-smartcities.eu/content/workshop-general-data-protection-regulation-%E2%80%93-are-you-speed</p>

Table 5: URBAN INNO.

Type of Event (Conference, Workshop, ...):	Project Steering Committee meeting
Name of the Event:	URBAN INNO Second Project Steering Committee meeting
Date of event:	October 5 th , 2016
Approximate number of participants:	20
Short Description of the event:	<p>Second Project Steering Committee meeting of the URBAN INNO project was held in Trento, Italy, on the 5th and 6th of October 2016. During the second project meeting a Virtual study visit "Citizen Engagement the perspective of EIP-SCC and ESPRESSO" was organised, where representative of Trilogis srl, Ms Irene Facchin and Mr Mario Conci from Hub Innovazione Trentino presented the The European Innovation Partnership on Smart Cities and communities network and their activities as well as the project ESPRESSO - A systEmic Standardisation apPRoach to Empower Smart citieS and cOmmunities.</p> <p>Link: http://www.interreg-central.eu/Content.Node/URBAN-INNO/2nd-Project-Meeting-in-Trento.html</p>



8.1.1.3. PWC

Table 6: Analysis of the value of new generation of eGovernment services.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	Scenario workshop part of the study "Analysis of the value of new generation of eGovernment services"
Date of event:	May 31 st , 2016
Approximate number of participants:	60
Short Description of the event:	The event involved speakers from different countries and background presenting virtuous selected cases of open eGovernment services and discussing the growing importance and role of eGovernment in modern societies. During the workshop, it has also been possible to introduce the activities related to the ESPRESSO project.

Table 7: IUrban Conference.

Type of Event (Conference, Workshop, ...):	Conference
Name of the Event:	IUrban Conference 2016
Date of event:	June 9 th , 2016
Approximate number of participants:	
Short Description of the event:	IUrban Conference 2016, part of the wider Smart City Event 2016, brought together a group of Leaders of Cities - Business Executives, Education Luminaries and Public Entrepreneurs - to share and discuss insights on how a new approach to Urban Leadership enables us to jointly tackle the urban issues of this century and create sustainable competitive urban regions. The conference was also used in order to introduce the activities carried out for the ESPRESSO project so far.

Table 8: EIP-SSC Action Cluster.

Type of Event (Conference, Workshop, ...):	Meeting
Name of the Event:	EIP-SSC Action Cluster meetings
Date of event:	November 22 nd , 2016
Approximate number of participants:	25



Short Description of the event:	The event featured discussions in relation to specific action clusters (sustainable districts, sustainable urban mobility, integrated infrastructures, citizen focus, business models, integrated planning). The event has been used for networking activities with relevant stakeholders and for introducing the ESPRESSO project and activities.
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Table 9: A European Manifesto on Citizen Engagement.

Type of Event (Conference, Workshop, ...):	Conference
Name of the Event:	Conference Inclusive Smart Cities: A European Manifesto on Citizen Engagement
Date of event:	November 23 rd , 2016
Approximate number of participants:	60
Short Description of the event:	The conference has been organized by the EIP-SCC Action Clusters on Citizen Focus and Integrated Planning, Policy & Regulation along with ERRIN and ICLEI. The presentation focused on examples of best practices from cities, H2020 and Toolkits. The event has been used for networking activities with relevant stakeholders and for introducing the ESPRESSO project and activities.

8.1.1.4. ISOCARP

ISOCARP has contacted in the last reporting period several decision makers, informing them and presenting the ESPRESSO project:

- Bucharest Municipality – meeting at City Hall (18 October 2016), Mr. Constantin Furdu, councilor
- Bucharest Sector 3 Municipality (Ms. Mirela Trif, Project Management department), the Romanian National R&D Institute „URBAN-INCERC” (Mr. Vasile Meiță, Director and Mr. Alexandru Petrișor, Scientific Director) – meetings on the occasion of a planning policy book launch organized in Bucharest, 14 December 2016, Impact Hub Bucharest

Table 10: OGC’s 99th Technical and Planning Committee Meeting.

Type of Event (Conference, Workshop, ...):	Presentation in Conference
Name of the Event:	OGC's 99th Technical and Planning Committee Meetings
Date of event:	June 22 nd , 2016
Approximate number of participants:	120



Short Description of the event:	Within the OGC plenary on 22nd of June, we have held a presentation of ISOCARP workshop results with cities and preliminary conclusions in terms, with the support of the coordinator. The presentation (ca. 20') has been made available to the participants afterwards and shared within the consortium.
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Table 11: YPLAN.

Type of Event (Conference, Workshop, ...):	Conference
Name of the Event:	YPLAN – Young Placemakers Initiative final conference
Date of event:	October 14 th , 2016
Approximate number of participants:	125
Short Description of the event:	<p>The ESPRESSO Project was introduced within the Final Conference of the YPLAN – Young Placemakers Initiative project, with a presentation on the need for smart public spaces and a policy for public spaces, of Dr. Pietro Elisei from ISOCARP. Links to the website, Territorial Atlas and social media have been disseminated.</p> <p>The YPLAN Project aimed at participatory redevelopment of public spaces, pooling a large number of planning experts, architecture and planning students and high-school students.</p> <p>Link: http://yplan.ro/language/en_us</p>



Figure 2: ISOCARP at Young Placemakers Initiative conference.

8.1.1.5. ATOS

Table 12: Big Data Value Association.

Type of Event (Conference, Workshop, ...):	Conference and workshops
Name of the Event:	Big Data Value Association Valencia Summit: "Big Data driving business"
Date of event:	November 30 th – December 30 th , 2016
Approximate number of participants:	400



Short Description of the event:	With attendees from Industry, Academia, Public Administration, data owners and users, the summit was a key occasion to meet and engage with Big Data players in Europe, and to influence the development of the European Big Data Ecosystem. BDVA Valencia Summit contributed to: (1) Drive forward the Big Data Value ecosystem and improving visibility of Big Data Value Association (BDVA) and the BDV PPP; (2) Inspire and get inspired by real stories from data users and providers; (3) Share and understand the state of the art in Big Data Technologies, big data challenges and opportunities; The summit counted specifically with some talks on Big Data in the context of Smart Cities and a workshop specifically focused on the roadmap for cities to take advantage of data analytics on top of diverse sources of data, including aspects such as definition of standard data models or the use of open APIs to increase interoperability between city providers and Municipalities.
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Table 13: EGovernment.

Type of Event (Conference, Workshop, ...):	Seminar and workshops
Name of the Event:	"EGovernment as a window of opportunity for the local level".
Date of event:	November 8 th , 2016
Approximate number of participants:	
Short Description of the event:	In the morning, a seminar will be organized on the topic of the "Digital Single Market Strategy and the E-Government Action Plan 2016-2020: Consequences and opportunities for the local level". In the afternoon, two separate and parallel workshops: <ul style="list-style-type: none"> - Workshop 1 organized by the City of Gothenburg will focus on Open Data, Internet of Things and Smart Cities - Workshop 2 organized by Ale municipality will focus on e-health, e-participation, e-education and Smart Cities.

Table 14: FIWARE Summit.

Type of Event (Conference, Workshop, ...):	Summit, including three tracks: (1) conference track, (2) developers track, (3) community track
Name of the Event:	FIWARE Summit
Date of event:	December 13 th – 15 th , 2016
Approximate number of participants:	300
Short Description of the event:	Short description of the event: the first FIWARE Summit has kicked-off a new stage for its open Community. It has



	<p>gathered developers, users, companies, cities, accelerators, researchers, public authorities and non-profit organizations in 3-day event. At the FIWARE Summit, contributors and partners have engaged, met each other, learned about the potential and promoted the adoption of the FIWARE technology. One of the areas where more effort has been devoted is the one of Smart Cities.</p> <p>At the FIWARE Summit there was a specific panel on Smart Cities (Moderator: Rosalía Simon – Smart Cities Director, IoT Business Unit at Telefónica; Speakers: Prof. Ing. Gian Marco Revel – City of Ancona (Italy), Dott. Paolo Castiglieri – City of Genoa (Italy), Paulo Gonçalves – City of Porto (Portugal) – Porto Digital, Theo Santegoets – City of Dordrecht), as well as another one about the adoption of FIWARE as de-facto standard.</p> <p>Particular discussions on this were run with the following representatives: Chris Greer – Senior Executive for Cyber Physical Systems, NIST Engineering Laboratory, Steve Doyle – Director Connected Living Program, GSMA, Carl Piva – Vice President Strategic Programs at TM Forum and Martin Brynskov – Chairman OASC (Open & Agile Smart Cities Initiative).</p>
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8.1.1.6. OS

Partner OS has done several outreach activities during the work on WP2 and WP4. These activities are already listed in the related reports.

Table 15: City Standards Institute.

Type of Event (Conference, Workshop, ...):	Meeting
Name of the Event:	City Standards Institute
Date of event:	November 17 th , 2016
Approximate number of participants:	
Short Description of the event:	The Cities Standards Institute (CSI) brings together cities, businesses, academia and innovators to identify the common challenges that cities face, find ways to overcome those issues and introduce standards and common approaches to help guide the evolution of future cities. Partner OS was invited to present the ESPRESSO project to a standards related audience.



8.1.1.7. FRAUNHOFER

Fraunhofer build up capacity within the framework of other H2020 projects (Smarter Together) during meetings in Lyon, Stuttgart and Vienna. The Fraunhofer-Gesellschaft had several meetings with representatives of the City of Darmstadt and the House of IT, who are currently discussing Smart City concepts for the City of Darmstadt and offer them potential technical concepts, tools and applications. Additionally ESPRESSO Project was advertised in the regular newsletter of the Morgenstadt Network.

Table 16: Smart Cities Workshop at R+V Insurance Company.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	Smart Cities Workshop at R+V Insurance Company (Wiesbaden, Germany)
Date of event:	September 1 st and September 9 th , 2016
Approximate number of participants:	About 20 participants each day
Short Description of the event:	Fraunhofer IGD gave a Keynote on the development trends of smart cities – the technological and the social challenges that they face. Fraunhofer’s project activities in this field were presented and international good practices illustrated.

Table 17: Smartathon 1.

Type of Event (Conference, Workshop, ...):	Hackathon
Name of the Event:	Smartathon (part of the project smarticipate)
Date of event:	September 17 th , 2016
Approximate number of participants:	50
Short Description of the event:	<p>Within the H2020 funded project smarticipate a hackathon in London was organized in order to give citizens of the boroughs Kensington and Chelsea the chance to dive into the project, to raise critical questions and to get an introduction into the applications that will be developed.</p> <p>About the project: The smarticipate platform will make open data available to citizens in an understandable format. By doing so, it will transform open data from a little used resource to a vital tool to plan the future of a city. Pilots will be developed and tested in the cities Hamburg, Rome and London.</p> <p>Link: www.smarticipate.eu</p>



Table 18: Fraunhofer Morgenstadt Werkstatt.

Type of Event (Conference, Workshop, ...):	Conference / Workshop
Name of the Event:	Fraunhofer Morgenstadt Werkstatt
Date of event:	September 27 th – 29 th , 2016
Approximate number of participants:	25
Short Description of the event:	<p>A three-hour workshop was planned and carried out during the "Morgenstadt Werkstatt" workshop in Stuttgart (Germany). This served different purposes. On the one hand, to promote and present the ESPRESSO project and its core content as well as to gain members for the SmaCStak network.</p> <p>In addition, urgent needs of the individual partners gathered at Projectplace should be discussed in a suitable workshop format and solutions should be collected.</p> <p>With the help of the project-specific flyers and banners, ESPRESSO was also promoted beyond the workshop.</p> <p>Involved Partners:</p> <ul style="list-style-type: none"> • Fraunhofer IAO (Sven Dübner) • DIN (Joachim Lonien) • TU Kaiserslautern (Martin Fabisch) <p>Link Project Homepage: http://www.morgenstadt.de/de/veranstaltungen/morgenstadt-werkstatt.html</p> <p>Link Speech (Martin Fabisch - german): https://www.voicerepublic.com/talks/digitale-standards-in-der-planung</p>



Figure 3: Fraunhofer, DIN and UNIKL at the Morgenstadt Werkstatt.

Table 19: Smartathon 2.

Type of Event (Conference, Workshop, ...):	Hackathon
Name of the Event:	Smartathon (part of the project smarticipate)
Date of event:	October 8 th , 2016
Approximate number of participants:	120
Short Description of the event:	<p>Within the H2020 funded project smarticipate a hackathon in Hamburg was organized. The citizens who participated worked in groups on the use case planting of trees in urban areas. They expressed their concerns or made recommendations how to improve the applications.</p> <p>About the project: see table 17</p> <p>Link: www.smarticipate.eu</p>



Table 20: Intergeo 2016.

Type of Event (Conference, Workshop, ...):	Trade Fair and Congress
Name of the Event:	INTERGEO 2016
Date of event:	October 11 th – 13 th , 2016
Approximate number of participants:	Trade Fair: 17.000 visitors Smart City Session at Congress: 60 participants
Short Description of the event:	Fraunhofer IGD had an exhibition booth at the INTERGEO 2016 in Hamburg, Germany. Fraunhofer showed software applications in the thematic context of Digital Smart Cities, Energy Transition, Disaster Management, Planning Support, and Public Participation and promoted running projects like ESPRESSO and Smarticipate. Further, Fraunhofer organized a session at the INTERGEO Congress on Smart Cities: Decision Support and Public Participation which opened the floor for discussing and promoting ESPRESSO results.

Table 21: Open Policy Making.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	Open Policy Making
Date of event:	November 10 th , 2016
Approximate number of participants:	35
Short Description of the event:	The workshop addressed modern policy-makers, SMEs, data journalists and research institutions working on the area of Open Policy Making. Fraunhofer IGD took part in this event with an invited presentation on their activities in this topic. More than 35 stakeholders debated about how we can shape politics and policy making more efficient and transparent through open data and IT technologies.

8.1.1.8. OGCE

The OGCE has held regular Smart City related member meeting as well as attending various other SDO and member events to talk about ESPRESSO and OGCE Smart City related topics.

Table 22: Urban Platforms MoU Industry Group workshop.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	Urban Platforms MoU Industry Group workshop (Brussels)



Date of event:	26 April 2016
Approximate number of participants:	20
Short Description of the event:	Alignment with the EIP SCC WS1 and WS2

Table 23: Group on Earth Observation.

Type of Event (Conference, Workshop, ...):	Workplan Symposia
Name of the Event:	GEO WPS (Geneva)
Date of event:	25 May 2016
Approximate number of participants:	25 (plenary 250)
Short Description of the event:	Presentation of the ESPRESSO project to the GEOSS Development DG-07 group at the GCI workshop

Table 24: General Assembly EIP-SCC Market place.

Type of Event (Conference, Workshop, ...):	Conference
Name of the Event:	General Assembly EIP-SCC Market place (Eindhoven)
Date of event:	23-24 May 2016
Approximate number of participants:	40-30
Short Description of the event:	Presentation of the ESPRESSO project to the LightHouse project using the 3 slide rule (also uploaded on the google drive) Alignment meeting with the EIP SCC WS1 and WS2

Table 25: OGC TC Dublin.

Type of Event (Conference, Workshop, ...):	Conference
Name of the Event:	OGC TC Dublin
Date of event:	20-23 June 2016



Approximate number of participants:	250
Short Description of the event:	Presentation of the ESPRESSO consortium to the OCG members Presentation of the ESPRESSO project to the consortium members ESPRESSO Consortium meeting

Table 26: Informatie Vlaanderen Trefdag.

Type of Event (Conference, Workshop, ...):	Conference
Name of the Event:	Informatie Vlaanderen Trefdag (Gent)
Date of event:	9 June 2016
Approximate number of participants:	25
Short Description of the event:	(Part of a larger presentation) Presentation of the ESPRESSO consortium to Informatie Vlaanderen

Table 27: EIP SCC WS1 & WS2 Workshop.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	EIP SCC WS1 & WS2 Workshop (Amsterdam)
Date of event:	29-30 September 2016
Approximate number of participants:	15
Short Description of the event:	Align the output of ESPRESSO with EIP SCC WS1 and WS2.

Table 28: International FIG 3D Cadastre Workshop.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	International FIG 3D Cadastre Workshop (Athens)
Date of event:	19-20 October 2016



Approximate number of participants:	150
Short Description of the event:	Keynote presentation on 3D Smart City and Standards. Included a large portion on ESPRESSO. Also include reference to other OGC and ISO Smart City work.

Table 29: Workshop 3D-Stadtmodelle.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	Workshop 3D-Stadtmodelle (Bonn)
Date of event:	9 November 2016
Approximate number of participants:	50
Short Description of the event:	Keynote presentation on 3D Smart City and Standards. Included a large portion on ESPRESSO

Table 30: ETSI/OneM2M Workshop.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	ETSI/OneM2M Workshop (Sophia Antipolis)
Date of event:	15 November 2016
Approximate number of participants:	80
Short Description of the event:	General ESPRESSO presentation, with emphasis on reference architecture and standards

Table 31: Smart City Expo.

Type of Event (Conference, Workshop, ...):	Expo and Conference
Name of the Event:	Smart City Expo (Barcelona)
Date of event:	15-17 November 2016



Approximate number of participants:	200
Short Description of the event:	2 presentation: 1 in the context of the EIP SCC and the other as part of the track on Smart Cities and sensors.

Table 32: EIP SCC Workshop.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	EIP SCC Workshop (Brussels)
Date of event:	22 November 2016
Approximate number of participants:	20
Short Description of the event:	Alignment EIP SCC

Table 33: GSDI.

Type of Event (Conference, Workshop, ...):	Workshop
Name of the Event:	GSDI (Taipei Taiwan)
Date of event:	28-30 November 2016
Approximate number of participants:	20
Short Description of the event:	Invited speaker, invited by the Taiwanese ministry of the interior to talk about Smart Cities and Standards

8.1.2. SmaCStak – Network

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

Table 34: Members of the SmaCStak.

SmaCStak-Details (December 2016)

D1.6 – Report on capacity building actions V2	
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Members in total	136
Countries	28 (Top 5 UK 21%, Germany 11%, Belgium 9%, Italy 9%, Spain 8%)
Nature of organizations (multiple answers possible)	Public 32 %, Private 29%, Research Institutions 19%, City/Municipality 12%, NGO 5%, SDO 4%, Industry 4%, Other 8%

8.1.2.1. 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 35: Members of the SmaCStak Coordination Group.

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

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

This portal is based on the DIN-Connect module and is about to be completed. The portal is not open for public access and should serve as a discussion platform between the ESPRESSO consortium and the SmaCStak community. With this platform, the SmaCStak Community is to be allowed to look at the topics presented in the ESPRESSO webinars and discuss them further. The various topics will be moderated by the SmaCStak Coordination Group.

8.2.2. Webinars

HIT 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 monthly since July 2016.

Table 36: ESPRESSO Webinars.

WHEN	WHO	Title	ABSTRACT
21/07/2016	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.
30/08/2016	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 focussing 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?
16/09/2016	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.
14/10/2016	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 emphasise different successful approaches depending on the specific city needs as well as funding, financial and procurement models adopted.
10/11/2016	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.
15/12/2016	Lluisa 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.
19/01/2017	Nikolaos Kontinakis (SCG)	The CityKeys Project	(Provisional) - TNO: KPIs -VTT: Feedback from the testing with cities - Zaragoza: A city's experience from the project



In addition to the ESPRESSO Webinar series the Partner from DKZ presented the ESPRESSO project during the “What is planned in Electro-mobility & new mobility Service for the next months” to gain feedback from urban mobility experts.

Table 37: Webinar on Sustainable Urban Mobility Initiatives.

Type of Event (Conference, Workshop, ...):	Webinar
Name of the Event:	After Summer Webinar on Sustainable Urban Mobility Initiatives
Date of event:	25 August 2016
Approximate number of participants:	20
Short Description of the event:	The EIP-SCC Sustainable Urban Mobility Action Cluster organised a webinar on ‘What is planned in Electro-mobility & New mobility Services for the next months’ . The aim of this webinar was to set out the Initiatives’ actions and ambitions for the third quarter of 2016. In addition, and as an extra feature, the ESPRESSO consortium shared the views on smart cities indicators. The aim of the ESPRESSO presentation was to ask Sustainable Urban Mobility Action Cluster members for the feedback on the Key Performance Indicators we are setting up for the platform. Consequently, the attached KPI document was the basis of discussion.