



DELIVERABLE

D8.7 – Innovation report v1

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Dissemination Level		
P	Public	X
C	Confidential, only for members of the consortium and the Commission Services	

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3. Table of Acronyms

Acronym	Description



4. Executive Abstract

The goal of the innovation report (first version) is to illustrate the innovation activities of the ESPRESSO project. They can be split into four parts:

- Contribution to dissemination and industry liaison activities of the project to maximise results and impact.
- Sharing of experience, tools and methodologies and proper ground involvement of all stakeholders in the project, ensuring a common understanding of ESPRESSO innovation context and strategy.
- Development of a sustainable and comprehensive innovation ecosystem in the context of the project, in line with the strategic plan for ESPRESSO and ensuring the long-term exploitation of the results of the project.
- Provision of insights and performance indicators for monitoring the impact of the initial and future innovation-related activities undertaken in the framework of ESPRESSO.

This first version of the document states the activities that will be carried out during the lifetime of the project and how some activities will be measured against set indicators. It concentrates on activities already executed or planned towards a broad, multi-stakeholder involvement strategy and platform that helps building a solid base for ESPRESSO. The second version of this report, planned for M16, will then shift its focus more towards sustainability of ESPRESSO results and best practices.

Key component of the ESPRESSO innovation strategy is "SmaCStak", the large "Smart City Stakeholder" network. All activities executed by ESPRESSO are tested and cross-checked against SmaCStak, which provides a network of experts in the broad field of Smart City research and standardization. The SmaCStak network is constantly growing and has currently more than 60 partners from Europe and Asia.



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6. Innovation activities

6.1. Contribution to dissemination and industry liaison activities

The consortium's dissemination activities have so far been focused on the creation of the basic tools like brochure, flyer, and the website set-up. LinkedIn and twitter accounts have also been activated and actively used by ESPRESSO Partners for mainly pointing out interesting topics for the stakeholders' community.

ESPRESSO has already established informal connections with the projects CITYKEYS and OASC. ESPRESSO's partners are also active in other networks like EUROCITIES and EIP-SCC. The number of liaisons is bound to increase along the project in parallel with the outreach activities. Liaisons are based on a 'win-to-win' approach, meaning that ESPRESSO and the other projects/initiatives will take reciprocally advantage from joint activities increasing their outreach. Examples of those activities are:

- disseminating messages to respective communities (web, newsletters, social media), including invitations to events, fora and calls for participation;
- cross-invitations to present the initiatives in key fora and meetings;
- sharing mapping and surveying outcomes, to contribute to gap and domain analyses;
- leadership meetings to optimize and orchestrate efforts.

Taking part to events of common interest will also increase the opportunities for alignment and knowledge sharing among projects. Some events have been scheduled, among them the EIP-SCC General Assembly (May 24th) will be the place for getting in touch with the above-mentioned projects.

6.2. Sharing of experience, tools and methodologies

6.2.1. Outreach activities

Each partner of the consortium has been requested to draft a list of stakeholders that might be interested to being part of the SmaCStak (D1.2). The invitation process has been started right from the start of the ESREPSO project. Each partner is constantly working on the expansion of SmaCStak; a process that leads to a growing network of experts that help driving the innovation potential of ESPRESSO. Figure 1 shows the current distribution of SmaCStak with more than 60 partners from Europe and Asia.



Figure 1: SmaCStak Network as of March 2016.

The network serves multi-purposes. Besides aspects such as awareness raising and capacity building, the network's participants serve as primary points of contact to discuss ESPRESSO results and research activities. The goal is to use the collective knowledge to optimize the usage of the sparse ESPRESSO resources towards an optimized innovation process.

SmaCStak Coordination Group: The Consortium drafted a list of experts to be contacted as member of the SmaCStak coordination Group. The experts have been contacted by the WP1 leader (HIT). They are provided with details about ESPRESSO and their role in the Coordination Group. Interested members are asked to express their willingness by signing a letter of interest (See Attachment). As detailed in the technical report, the Coordination Group will be composed of:

- At least a member of CEN-CENELEC-ETSI SSCC-CG.
- A representative for each of the pilot cities (Tartu & Rotterdam).
- 3 more representatives from other stakeholder communities (SDOs, members of OGC, etc.) within the SmaCStak network to be selected through an open call mechanism.

This way it will cover different groups of stakeholders and expertise. Representatives of ESPRESSO will coordinate the coordination group. Specifically, partner HIT will operate as facilitator/community manager; partner DIN will operate as expert on standard. Other partners have accepted to be involved as advisors such as ISOCARP, OGCE, TRILOGIS, and ETSI.

The main role envisaged for the OGC members is to encourage the discussion, the discussion/collaboration by means of conference calls by i) Bring priority topics that are important for their projects/activities; ii) Actively stimulate the collaboration among members; iii) Review of/provide suggestions on our reports.

ESPRESSO made them clear the potential benefits of being part of the network such as:

- Learn from others and getting in touch with stakeholders (social interaction);
- Leverage on the consensus process of the SDOs (e.g. push your technology);



- Learn from best practices (documents, white papers) and other initiatives (formal interaction);
- Give visibility and get feedback on their priority topics;
- Increase your company profile;
- Develop of competitive intelligence.

6.3. Development of a sustainable and comprehensive innovation ecosystem

6.3.1. Liaising with Smart Cities Initiatives

The ESPRESSO project will connect with as many Smart/Future/Connected Cities initiatives as possible. Initial outreach will be done through the SmaCStak activities described in 5.2.

A series of workshop will be organised within the two project pilot cities (Rotterdam and Tartu) and also in other locations. A common template and structure of the workshop will be made and replicated throughout the events.

Additional outreach will be done through the insight and pointer we received during the execution of the project (Lighthouse projects, EURO CITIES, etc.). Our focus will be on European cities, but we will not be blind for international connections that will come in from the worldwide activities of e.g. the OGC.

When engaging with other Smart City activities, we engage on an equal level. That is, we would like to learn from their insights – and reciprocal, we will share the insights that we will gain during the project. Only this way, we can setup a sustainable ecosystem.

The SmaCStak will continue to foster conversation and act as the go-to place for smart cities questions related to standards.

6.3.2. Collaborative approach with EIP SCC

The European Innovation Partnership on Smart Cities and Communities (EIP-SCC) brings together cities, industry, and citizens to improve urban life through more sustainable integrated solutions.

This includes applied innovation, better planning, a more participatory approach, higher energy efficiency, better transport solutions, intelligent use of Information and Communication Technologies (ICT), etc.

ESPRESSO has been engaged, from the beginning of its lifecycle, with the EIP SCC, focusing on providing input in WS1 – and will continue to do so for the remainder of the project. The EIP SCC has a similar mission and relies on the output of ESPRESSO. A close collaboration with WS1 is essential, also keeping a close eye on WS2 and WS3.



6.3.3. Collaborative approach with International Initiatives

ESPRESSO has members with international connections, that can be used to promote and influence the project on an international stage – and learn from other projects outside of Europe. If we can innovate at an international level, we have more weight on Smart City initiatives.

OGC will reach out to NIST and their Smart City initiatives as well as request OGC members to connect to other projects in the world. This can be done at the OGC Technical Committee meetings, where all OGC members meet on a regular basis (see also Smart City Domain Working Group).

6.3.4. Smart City Domain Working Group

Past experience has proven that Working Groups or Technical Committees in SDO, ESO, NSB created during the execution of a project gets picked up by the membership.

The GeoViQua FP7 project (Grant Nr. 265178) created the Geospatial User Feedback Domain Standards Working Group¹ (SWG) in the OGC (supported by Michel Schoupe DG RTD and Bart De Lathouwer OGC). This SWG is self-supportive and has worldwide participations and take up. The Geospatial User Feedback Domain Standards Working Group is the poster child for ESPRESSO and the project will replicate this best practice.

6.3.4.1. An OGC Smart City Domain Working Group

Domain Working Groups (DWG or WG) provide a forum for discussion of key interoperability requirements and issues, discussion and review of implementation specifications, and presentations on key technology areas relevant to solving geospatial interoperability issues. ESPRESSO is currently busy understanding the best approach to establish a coordinated discussion of Smart City topics and standards within the Open Geospatial Consortium to optimize the innovation potential of the project. Goal is to involve Smart City experts from other continents, in particular North America, in the ESPRESSO innovation process.

6.4. Provision of insights and performance indicators

6.4.1. SmaCStak

The SmaCStak will continue to 'live' after the project end (for at least another year). All possible efforts will be done to host the services after the project.

6.4.2. Smart City Working Groups

The Standard Developing Organisations will work with existing Smart City Technical Committees (TC) or Domain Working Group (WG). If no such groups exist, efforts will be made to setup such TC or WG (the ESPRESSO project cannot guarantee the

¹ <http://www.opengeospatial.org/projects/groups/gufswg>.



creation of WG as this is taken up by the SDO's Policy and Procedures and depends on member vote outcome)