

INTERREG MED Programme

2014-2020

ESMARTCITY

Enabling Smarter City in the MED Area through Networking

(3MED17_1.1_M2_022)

Priority Axis 1. Promoting Mediterranean innovation capacities to develop smart and sustainable growth

Specific Objective 1.1 To increase transnational activity of innovative clusters and networks of key sectors of the MED area

WP3 – Testing

Activity 3.3 – Pilot Testing

Deliverable 3.3.2 – Pilot Capacity Building – Partner PP4

Contractual Delivery Date: **15/10/2019**

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Dissemination Level		
PU	Public	X
PP	Restricted to Programme Partners and MED Programme	
RE	Restricted to a Group defined by the Partnership and MED Programme	
CO	Confidential, only for members of the partnership and MED Programme	

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1. Introduction

WP3 aims at testing Smart City concepts in the partner areas. Testing challenges are twofold: (i) to increase the level of innovation in MED cities by enriching city infrastructure via smart devices, embedded systems and sensors/actuators, seamlessly integrated and interoperable, and deploying on top of them novel applications / services increasing the level of well-being of the citizens, and (ii) to enhance the innovation potential of SMEs in the partner areas through Capacity Building interventions targeting the transfer of knowledge towards them and enrolling them into experimentation and co-creation activities, empowering their deployment of innovative applications / services on top of city infrastructures.

Activity 3.3 is dedicated to Pilot Testing. It takes into account preparatory work done in Activity 3.2 and more specifically Feasibility Study, Methodology for Testing and Pilot Deployment Operational Plan Framework, in order to allow a multi-national multiple site pilot testing under a common methodological framework.

Activity 3.3 comprises two distinct deliverables: D.3.3.1 on Pilot Testing related to the transnational pilot deployment in the partner territories driven by the Pilot Deployment Operational Plan framework, and D.3.3.2 on Pilot Capacity Building offering Capacity Building services towards SMEs of the project networked community associated with the Smart City concept in general and the individual pilot deployments in particular.

Objectives of the event and expected results

The main objective of the capacity building is to enhance SME's innovation addressing ENA's pilots on "Smart Buildings" as test beds for new applications and services. It is expected that SMEs will be enhanced through relevant capacity building offered in the framework of testing, relevant to the pilot activities and the resulting pilot case.

Target of the event

Clustered SME's in the ICT and Smart Building area are a target group of the project. The participants attending the one-day local capacity building workshop were composed by representatives of innovative SMEs, potential members of the networked Smart City community in the framework of the project.

Methodology to reach objectives

In order to achieve the objective, capacity building workshop was conceived to:

- Share lessons learnt and acquired knowledge by pilot deployments
- Discuss technologies/state of the art or even general problematic faced by the smart city market (open data, IoT, data analytics but also access to tenders and EC policies)
- Obtain feedback from the participant SMEs
- Reference them in ESMARTCITY network.

The capacity building workshop was held at the premises of ENA on October 10th 2019, from 14:00 to 16:30. The detailed schedule of the capacity building workshop has been appended in **Annex 1**.

The list of participants attending the one-day local capacity building workshop was composed by representatives of innovative SMEs, Technology High School members and municipal technicians and has been appended in **Annex 2**.

As preliminary action Questionnaires templates were sent to SME's interested in participating to the event in order to collect data and allow discussions on the event day and has been appended in **Annex 3**.

2. Content of the capacity building workshop

Pilot Capacity Building (CB) relevant to the Smart City concepts and the Pilot deployed by ENA in Setúbal, Palmela and Sesimbra has been developed and provided taking in account lessons learnt and acquired knowledge. CB has been offered towards innovative SMEs of the project networked community. The event is organized in local language in order to be more accessible for SMEs.

Target Group addressed: innovative SMEs of the networked community

Pilot Capacity building – the one day event has been composed of 2 parts.

- First part dedicated to presentations:
 - Common ESMARTCITY project introduction
 - Brief introduction to Smart Public Buildings.
 - Customized project local pilot (technology used, challenges faced, lessons learnt and acquired knowledge) and

- Second part dedicated to:

Discuss about Open Data (opportunities and challenges, information's property, the value of data, data privacy, etc.) and collect SME feedbacks.

Methodology used:

The workshop focused on applied and practical methods by using the following concepts:

- Brainstorming regards the role of SME's in the process of building Smart Cities.
- Presenting the subjects by involving the participants in discussion and encouraging dialogue.

The Energy and Environment Agency of Arrábida (ENA) welcomed representatives of innovative SME's for one day capacity building workshop on 10th October. After registration of participants, the workshop began with the presence of Sérgio Marcelino, president of the Board of Administration of ENA, who welcomed the participants and introduced briefly the workshop, followed by Cristina Daniel, Executive Manager of ENA, who presented the ESMARTCITY project. More precisely, the presentation covered the following topics:

- ✓ Project Objective
- ✓ Improvement of the innovation capacities of the Mediterranean cities.
- ✓ Problem Statement
- ✓ Quadruple Helix
- ✓ Smart City Application Areas
- ✓ ESMARTCITY Approach
- ✓ ESMARTCITY Results
- ✓ Pilot Demonstration
- ✓ SME Change
- ✓ Policy Change.

After this presentation, Orlando Paraíba, ENA's Technical Manager, introduced to Smart Public Buildings and Local pilot demonstrations.

The main parts of the presentation were:

- ✓ Local Pilot Demonstrations: 29 public buildings located in Setúbal, Palmela and Sesimbra (Portugal)
- ✓ Aims, measure system, monitoring indicators, monitoring platform
- ✓ Smart city buildings: what solutions?
- ✓ The innovation ecosystem and its roles
- ✓ Open Data: opportunities and challenges
 - Concepts related, Big Data and AI.
 - The value of information and how it must be distributed
 - The information's property
 - What information may or may not be made available?
 - Impacts of making the information available on the city's ecosystem
 - How to deal with citizens' privacy?
 - The vision of ESMARTCITY project
 - Policy recommendations

At this point, a period of debate was opened to the participants, discussing the technology used, the importance of the Open data and how to direct the information obtained towards society, public authorities, market and the research centers. It was also discussed about the value of the information obtained from the processing of data and how to involve SME's in the design and supply of new applications and services by integrating the networked Smart City community in the project framework.

The key findings and conclusions are as follows:

- The ESMARTCITY project enables the creation of an innovation ecosystem that involves companies, research centres, academy sector and public authorities, creating in the territory the necessary conditions to implement the Smart City concept.
- The implementation of this innovation ecosystem is based on sharing information and knowledge on smart buildings and aims to enable new products/applications, increase energy management capacity, open up opportunities for research, make buildings more efficient, communicate energy efficiency values and establish more informed policies.
- Local Authorities are willing to disclose data produced so that SME's can create innovative solutions that improve their performance and services provided to the community. There must be a reflection on how to make this information available and this should be regulated through a protocol.
- For SME's in the Peninsula of Setúbal (Setúbal, Palmela and Sesimbra) this is an economic opportunity to create and develop innovative solutions and applications.
- Through the pilot project developed by ENA, it will be possible for municipalities to make these buildings more energy efficient, improving the provision of services to citizens, with less impact on the environment.
- By monitoring, analysing and systematising in real time the energy consumption data of buildings, ENA develops information essential to energy management and coordination by municipal services, allowing the planning of interventions and investments based on real needs.

3. Selected photographs from the capacity building workshop



Figure 1: Presentation of ESMARTCITY project



Figure 2 & 3:
Presentation
of local pilot
deployment





Figure 4: Participants engagement - discussion

4. Publicity

The event received publicity in digital media.

4.1. Digital Media

Publicity in digital media related to the Capacity building workshop includes the following:

<https://esmartcity.interreg-med.eu/news-events/events/detail/actualites/capacity-building-workshop-on-smart-buildings/>

<http://www.ena.com.pt/?cix=noticia93509&curr=803&lang=1>

<http://www.ena.com.pt/?cix=793&lang=1>

<https://www.rostos.pt/inicio2.asp?cronica=26000718>

4.2. Social Media

Publicity in social media includes the following:

https://www.facebook.com/enaenergiaeambiente/posts/1152286338312820?_tn=K-R

<https://www.facebook.com/enaenergiaeambiente/posts/1148828098658644>

<https://www.facebook.com/enaenergiaeambiente/posts/1146616232213164>

<https://www.facebook.com/enaenergiaeambiente/posts/1145508928990561>

<https://www.facebook.com/enaenergiaeambiente/posts/1144772919064162>

<https://twitter.com/EsmartcityM/status/1181118217609195520>

https://twitter.com/ENA_Agencia/status/1181140798672396288

https://twitter.com/ENA_Agencia/status/1184091826501902342

5. Annex 1 – Agenda



Workshop de capacitação "Smart Buildings"

Organizado no âmbito do Projeto ESMARTCITY, financiado pelo Interreg Med Programme

Dia 10 de outubro, 2019

Das 14:00 às 16:30 horas

Edifício sede da ENA, Avenida Belo Horizonte, Setúbal

O projeto ESMARTCITY visa melhorar a capacidade dos atores envolvidos na implementação do conceito "Smart City" nas zonas urbanas. Para alcançar este objetivo, são desenvolvidas ações piloto em edifícios a fim de os tornar "inteligentes" e energeticamente eficientes. O objetivo global é permitir melhores serviços para os cidadãos europeus, com menor impacto no ambiente, e recomendar políticas para a área do Mediterrâneo.

A ENA - Agência de Energia e Ambiente da Arrábida, convida a participar no Workshop de Capacitação do projeto ESMARTCITY. Neste evento iremos partilhar as lições aprendidas e os conhecimentos adquiridos com o desenvolvimento dos projetos-piloto, bem como identificar soluções para a promoção de uma utilização eficiente da energia em edifícios públicos, tendo por base a informação recolhida.

Venha partilhar a sua experiência e conhecimento!

14:00 Boas-vindas e abertura	Sérgio Marcelino, Presidente do Conselho de Administração da ENA
14:15 Apresentação projeto ESMARTCITY	Cristina Daniel, Diretora Executiva ENA
14:30 Ações piloto em Setúbal, Seiximbra e Palmela: desafios e resultados	Oriando Paraíba, Diretor Técnico da ENA
14:50 Open data. Oportunidades e desafios	Oriando Paraíba, Diretor Técnico da ENA
15:20 Smart city buildings: Que soluções?	Smart Building PMEs
16:20 Conclusões e encerramento	Cristina Daniel, Diretora Executiva ENA

Project Partners



6. Annex 2 – List of participants

Workshop de capacitação “Smart Buildings”

Organizado no âmbito do Projeto ESMARTCITY, financiado pelo Interreg Med Programme
10 de outubro de 2019. Sede da ENA. Setúbal

FOLHA DE PRESENÇAS

Nº	PME/Entidade	Nome e Apelido	Contacto (telefone, email)	Assinatura
1.	ENA	Isabel Rodriguez	Email: isabel.rodriguez@ena.com.pt Telefone:	
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3.	ENA	Orlando Pereira	Email: orlando.pereira@ena.com.pt Telefone: 918150989	

4.	ENA	Ricardo Mota	Email: x.mota@ena.pt Telefone: 91 8150358	
5.	ESTOJUTUBA/IPS	José Francisco	Email: jose.franco@estojuduba.ips.pt Telefone: 966911767	
6.	ESTABREIRO/IPS	CRISTIANA PEREIRA	Email: CRISTIANA.PEREIRA@ESTABREIRO.IPS.PT Telefone: 919358422	
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8.	COMETA	José Francisco	Email: JOSE.FRANCO@COMETA.PT Telefone: 961654373	

9.	IPS	PEDRO FERREIRA	Email: vicepresidente@ips.pt Telefone:	galele
10.	CMS	CARLOS DUEVAL	Email: carlos.dueval@cms- setubal.pt Telefone: 9366 22576	cd
11.	HEXAGREIP	CARLOS MELO	Email: carlos.melo@ hexagrip.pt Telefone: 91 7203472	gmb
12.			Email: Telefone:	
13.			Email: Telefone:	

7. Annex 3 – Questionnaire sent to SME's

WORKSHOP DE CAPACITAÇÃO SMART BUILDINGS

Atividade de apoio ao projeto INTERREG MEDA - Enabling Smarter City Building
 Sub-projeto LUMINA Project


Email address*


(required)

For example: john.doe@company.com | @gmailing

Name*

(required)



Interreg 
Mediterranean Development Fund

ENACTIVITY

Status da empresa*

(required)

Pessoa de contacto*

(required)

Posição na empresa

(required)

A sua empresa trabalha ou já trabalhou em projetos relacionados com smart city building/enact city lighting?

☐ Sim sempre

☐ Sim ocasionalmente

☐ Não

Comunidade em Rede ENACTIVITY: Para ajudar a cumprir as obrigações de transparência do Regulamento Geral de Proteção de Dados da UE (GDPR), necessitamos confirmar se esta informação está correta e atualizada sobre este perfil. Ao selecionar a opção "Participar" no nosso site, damos-lhe o consentimento explícito para a recolha e utilização dos seus dados pessoais no âmbito das atividades desenvolvidas neste projeto. O projeto ENACTIVITY partilha informações que fornecem maior transparência normal para outros em candidatura ao financiamento através da nossa comunidade. Se não quiser ser membro da Comunidade em Rede ENACTIVITY, pode enviar a sua informação com confidencialidade e não a tornaremos pública.

☐ Sim sim

☐ Não sempre