

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

WP2 – Project Communication

Activity 2.10 – Synergies with the Green Growth Community

Deliverable 2.10.2 – “Participation in 2 HP / modular projects events reports”

Contractual Delivery Date: **None**

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| Dissemination Level | | |
|----------------------------|---|--|
| PU | Public | |
| 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

1.1 Scope and objectives of the deliverable

This report has been developed within the ESMARTCITY project of the European program Interreg MED, and serves as a deliverable for the activity A2.10 “Synergies with the Green Growth Community”. More specifically, it represents D2.10.2 “**Participation in 2 HP / modular projects events reports**” for CIRCLE 2019 + SMILE 2019 event, and its aim is to develop a report for each one of the 2 events in which ESMARTCITY project participated.

SYNGGI (Synergies for Green Growth Initiative - Energising the Impact of Innovation in the Mediterranean) aims to support the modular approved projects under the objective Green Growth of the priority Axis 1. Innovation of the Interreg MED Programme. The activities of the project support the sub-objective 1.1 and especially the Green Growth sub-priority, in order to serve the targets and strategies of the Managing Authorities for the MED Area. The project has been designed as an agile tool that will unify project results, support MED stakeholders and create a fruitful and collaborative environment for all implicated bodies.

Due to the work coordinated by SYNGGI project and Green Growth MED community, during ESMARTCITY project different activities have been accomplished, such as attendance to this event in Nicosia on March 28-29, 2019.

Once stated this, the report will include information about this event, including agenda, photos, type of attendees, as well as our participation/contribution, and conclusions.

1.2 Structure of the deliverable

This deliverable is structured in 4 chapters:

Chapter 1, "Introduction" provides the generalities of the deliverable identity.

Chapter 2, "Description of the event and agenda" presents the characteristics of the event, synergies among projects, and the agenda.

Chapter 3, “Participants” presents a description of the participants and some photos of the event.

Chapter 4, "Synergies and results / lessons learnt” presents the presentation and/or collaboration procedure, as well as main conclusions of the event and collaboration.

2 Description of the event and agenda

MAIN PROJECT DESCRIPTION:

In the framework of the SYNGGI Capitalization Work Package, the Interreg MED Green Growth Community will analyse and transfer the results delivered by the Modular Projects (MPs) of the community to capitalize the main outcomes to reach EU stakeholders and create policy recommendations for EU policy-makers.

The following outputs will be elaborated by the MED Green Growth community by the end of October 2019:

- Technical reports (white papers)
- Policy recommendations
- Legal recommendations and legal acts recommendations
- MED Green Growth book

In order to achieve these goals, 4 Thematic Working Groups (TWGs) have been created so as to facilitate systematic technical cooperation, synergies and joint work among the modulars in view of capitalization and policy outputs. The TWGs will also support the horizontal project to gather in a homogenous way modular project policy inputs and produce the above mentioned deliverables.

Taking into account the strong relevance of the Green Growth community thematic for the circular economy pillar, as well as the dynamism of this theme at EU level and the vivid legal framework that needs constant revision and input, effort is placed to relate the themes of the TWGs to the EU Circular Economy Action Plan. In order to monitor the progress towards the Circular Economy (CE), the EC has developed an indicator framework, aiming at measuring progress of CE's various dimensions at all stages of the lifecycle of resources, products and services. It has a set of ten indicators grouped into four stages and aspects of the circular economy: (1) production and consumption, (2) waste management, (3) secondary raw materials and (4) competitiveness and innovation.

EVENT:

The **CIRCLE 2019 + SMILE 2019 Conference** is held on March 28-29, 2019 in Nicosia, Cyprus. The objective of this event is to discuss the “Challenges for the Islands in the Era of the Circular Economy” in the Mediterranean, along with the “6th Sustainable Mobility and Intelligent Transport Conference”.

The Circle 2019 + SMILE 2019 Conference is organized by the Ministry of Transport, Communication and Works of Cyprus under the auspices of DG ENV and DG MOVE. The Conference is supported by the MED Green Growth Community.

AGENDA:

Day 1

08:30-09:00 Registrations

09:00-09:45 Welcome Opening

V. Anastasiadou | Minister of Transport Communications and Works
C. Kadis | Minister of Agriculture, Rural Development and Environment
G. Kremlis | President of the Organizing Committee Circle 2019,
Honorary Director, European Commission
C. Yiorkadjis | Mayor of Nicosia
C. Spirtzis | Minister of infrastructure, Transport and Networks of Greece
H. Morsi | DG MOVE, European Commission
T. Christofides | Rector of the University of Cyprus
D. Calleja Crespo | Director General, DGENV
G. Patoulis | President of the Central Union of Municipalities of Greece

09:45-10:45 Circular Economy, Green Growth and Blue Economy in the Islands

Moderator: **G. Kremlis** | Honorary Director, European Commission

I. Panayiotou | Environment Commissioner, Cyprus
G. Sciacca | Conference of Peripheral Maritime Regions (CPMR), France
E. Hatziyianni | Region of Crete, Greece
G. Chianetta | Greening the islands, Italy
N. Tsipiras | INSULEUR, Greece
Q&A and discussion

10:45-11:15 Coffee break

11:15-12:15 Sustainable Mobility: the Policy and Legal Framework

Moderator: **H. Morsi** | DG MOVE

S. A. Michael | Permanent Secretary, Ministry of Transport, Communications
and Works, Cyprus
G. Kremlis | Honorary Director, European Commission
D. Prasek | Environment and Sustainability Department, EBRD
A. Spyridonidou | Executive Secretary of CIVINET CY-EL, Cyprus
M. Morais | Portuguese Electrotechnical Institute, Portugal
C. Sanchez | Malaga City Council, Spain
I. Briesner | Austrian Mobility Research FGM - AMOR Gemeinnützige GMBH
J. Nared | ZRC SAZU, SMART-MR Project, Slovenia
Q&A and discussion

12:15-13:15 Innovation, Policies in the Energy - Water Nexus

Moderator: **G. Chianetta** | Greening the Islands

S. D. Himonas | Permanent Secretary, Ministry of Energy, Commerce and Industry of Cyprus
M. Damasiotis | CRES, Greece
T. Tsoutsos | Professor, Renewable and Sustainable Energy Systems,
Technical University of Crete, Greece
O. Paraíba | Energy and Environment Agency of Arrábida, Portugal
K. Maganiotis | Hellenic Electricity Distribution Network Operator
G. Pechlivanoglou | Eunice Energy Group, Greece
I. Wilf | Fluence Corporation, USA
O. Sallangos | Dhekelia Desalination Plant Manager, Cyprus
Q&A and discussion

13:15-14:15 Climate Change, Energy and Mobility National and Territorial Plans

Moderator: **A. Carollo** | IDEA URBANA Engineering S.r.l., ENERNETMOB project, Italy

T. Mesimeris | Senior Environment Officer, Department of Environment, Cyprus

R. Lamas Borraz | Metropolitan Area of Barcelona, Spain
I. Luque Segura | MEDCITIES AMB, Spain
C. Daniel | Energy and Environment Agency of Arrábida, Portugal
Y. Stephanedes | Professor, University of Patras, GRASPINNO project, Greece
K. Maganiotis | Hellenic Electricity Distribution Network Operator
Q&A and discussion

14:15-15:15 Light lunch

15:15-17:30 Parallel sessions

Hall: Elia

Circular Economy. Solid Waste Management

Moderator: **Prof. M. Loizidou**, National Technical University of Athens, Greece

"Circular Economy in the context of Waste Management"
Prof. M. Loizidou, NTUA, Greece

"The Local Plan for Waste Management"
E. Evangelides, Mayor of Aradippou, Cyprus

"Presentation of the Ecological Park of Athens & new separate collection & recycling technologies. How to reach recycling targets.", **P. Mourgos**, Managing Director, TEXAN / ENVIPCO, Greece

"Decentralized management of bio-waste and their utilization using alternative and innovative treatment systems: the BIOMA Project"
P. Savva, Cyprus University of Technology

"The prevention of food waste as a strategy to implement to bio-economy"
Dr. A. Skordilis, f. General Director, Hellenic Recycling Agency, Greece

"Application of organic materials in soil in a circular economy", **P. Dalias**, Agricultural Research Institute, Cyprus

Hall: Zenon Kitieus A

Sustainable Mobility - International Experience - ICT tools

Moderator: **C. Sanchez**, Malaga City Council, GO SUMP project, Spain

"Limassol SUMP", **D. Demetriou**, Transport Planner/Project coordinator, Puplic Works Department, Cyprus

"Larnaca SUMP", **C. Minelli**, Senior Transport Planner, Mobility in Chain, Italy

"A tool for environmental assessment of traffic mitigation actions for high congested roads in Mediterranean urban areas as in REMEDIO project", **A. Poupkou** of the Aristotle University of Thessaloniki, Greece

"PDU/Tramway de Sfax", **R. Haj Taieb**, Technical Services - General Manager, Sfax City Council, Tunisia

"Sustainable Mobility challenges in EU islands. The Case of Crete.", **S. Tournaki**, Senior Expert, Technical University of Crete, Greece

"From Urban Mobility to European Commute. The case of Palma.", **M. Rivera Bennassar**, Urban Public Transportation Company, Palma (Mallorca)

Hall: Zenon Kitieus B

Resources for GIS and Open Data in Cyprus

Moderator: **S. Chistodoulou**, Prof. at University of Cyprus

"Open Data and Services provided by the Government of Cyprus", **D. Michael**, Administrative Officer A', Public Administration and Personnel Department, Cyprus and **N. Neokleous**, Cadastral Officer, Department of Land and Surveys, Cyprus

"Big and Open Data for Mobility: Impact of Smart Mobility Living Labs to Sustainable and Innovative Mobility Services Development", **G. Aifadopoulou**, Research Director – Deputy Director HIT

"Available Data from ITS System in Cyprus", **A. Savva**, Executive Engineer, Puplic Works Department, Cyprus

"Research Collaboration between KIOS and Public Works Department", **A. Antonakoudi**, Innovation Hub Manager, KIOS, University of Cyprus

"The use of GIS in Public Transport" **L. Tofas**, General Director of T.C. Geomatic Ltd, Cyprus

"Turn waste to resource through local supply chains of UCO to biodiesel. The COMPOSE model towards positive energy communities."

A. Gkouskos, Technical University of Crete, Greece & **V. Valentar**, KGZS, Slovenia

"Hazardous & industrial waste. From bad to best practices", **A. Kontouzoglou**, CEO Sometra, Romania

"CO2 Capture & Mineralization: A novel Circular Economy enabling technology"

G. Skevis, CERTH/CPERI, Greece

Investment in Cycling

Moderator: **C. Sanchez**, Malaga City Council, GO SUMP project, Spain

"Cycling in Cyprus", **K. Stylianou**, Civil Engineer-Transport Planner, Public Works Department, Cyprus

"E-Bike Sharing and Sharing Economy-Good Practices", **G. Voulgaroudes**, CEO Brainbox SA, Cyprus

"Appraisal of Non-Motorized Road Traffic Levels in Cyprus, taking into account socio-demographic & Economic Characteristics", **P. Nikolaou & L. Dimitriou**, Professors at University of Cyprus

"Samocat: Automatic micro-transportation system", **M. Omelchuk**, TEOCOMTECH LTD/SAMOCAT

"Mobility Analysis and Morphologies: The case of Cypriot Major Cities", **A. Savvides & L. Dimitriou**, Professors at University of Cyprus

GIS Workshop: Open discussion for GIS development and data sharing with other government departments and other public authorities.

17.30-18:30 Expo area & Research hub

hosted by EnerNETMob, Step2smart, Region of Crete

- **Interreg MED: Urban Transports' Community** (ENERNETMOB, LOCATIONS, REMEDIO, SUMPORT, MOTIVATE), **MED Green Growth Community** (GRASPINNO, ESMARTCITY, MED GREENHOUSES, GREENMIND), **Sustainable Tourism Community** (BLUEISLANDS, BLUEMED), **Renewable Energy Community** (COMPOSE)
- **Interreg Europe:** InnovaSUMP, SMART-MR, BIOMA
- **Interreg EL-CY:** Step2smart, SmartWater2020
- **ADRIPASS**
- **LIFE:** PAVEtheWAYSTE
- **H2020 HYDROUSA, H2020 CIVITAS DESTINATIONS, RESCoop Plus, ZERO-BRINE**
- **IEE neZEH**
- **KIOS**
- **Nicosia Municipality**
- **Council of the Promotion of Cycling**
- **AIR CONTROL**

Electromobility side-event

20:00 Dinner at Royal Hall

Day 2

08:15-09:00 Registrations

09:00-10:30 **The Role of Public Authorities in Sustainable Mobility, Urban Transport and Tourism**

Moderator: **L. Afxentiou**, Managing Director at InteliConS LTD and Consultant of Limassol Municipalities, Cyprus

A. Vyras | Mayor of Larnaca, Cyprus

N. Nikolaides | Mayor of Limassol, Cyprus

D. Papastergiou | Mayor of Trikala, Greece

P. Georgiou | Mayor of Ypsonas, Cyprus

S. Rajčić | County of Primorje and Gorski Kotar, Croatia

A. Papacharalambous | Mayor of Strovolos, Cyprus

Č. Špacapan | Director RDA Nova Gorica, Slovenia

K. Xidias | Mayor of Germasogeia, Cyprus

Q&A and discussion

10:30-11:00 Coffee break

11:00-13:00 **Parallel sessions**

Hall: Elia

Circular Economy good practices. Water resources & Wastewater Management.

Moderator:

Dr. M. Zachariou-Dodou,
Institute of Environment &
Sustainable Development,
Cyprus

*"Wastewater management in
Cyprus",*

M. Zachariou-Dodou,
Institute of Environment &
Sustainable Development,
Cyprus

*"Regenerative & nature-based
water solutions: The H2020
HYDROUSA Project",*
K. Moustakas, NTUA, Greece

*"Introduction to Wastewater
re-use",* **P. Karaolia**,
Nireas-International Water
Research Center, Cyprus

"SmartWater2020 Project",
M. Anastasiadou, University
of Cyprus

Hall: Zenon Kitieus A

**European Mobility-
Boosting Sustainable
Mobility through European
Programs- Electromobility
in the MED area**

"Future mobility", **T. Ebner**,
BMW, Germany

"InnovaSUMP" project,
A. Kolyvas,
Civil Engineer - Transport
Planner at Nicosia
Municipality, Cyprus

*"Interreg MED Urban
Transport's Community
results",* **H. Chaumier**,
Codatu, France

"EnerNETMob project",
I. Mardikis, Dynamic Vision,
Greece and **I. Panagiotidis**,
Ministry of Transport
Communications and Works,
Cyprus

*"The entrepreneurs'
propensity to adopt electric
mobility in the short food
supply chain",* **A. Galati**,
University of Palermo,
Sicily, Italy

Hall: Zenon Kitieus B

**"Step2Smart", Project-
Cross-Border Collaboration
of Island Urban Areas to
Improve Environmental
Conditions through
the Use of Intelligent
Transport Systems**

Moderator: **L. Dimitriou**,
Professor at University of
Cyprus

*"The "Step2Smart" Platform
for Historical and Real-Time
Transport Analytics and
Traffic Management",*
S. Christodoulou
and **M. Tsaggarris**, Professors
at University of Cyprus

*"Preliminary traffic modeling
features incorporating
real-time information for the
city of Nicosia",* **H. Ballis**
and **L. Dimitriou**, Professors
at University of Cyprus

*"Step2Smart: a smart step
towards sustainable mobility
for Kos island",* **A. Kalloudis**,
Municipality of Kos Island,
Greece

*"Seasonal Variation of Waste as an effect of Tourism", BLUEISLANDS Project, **A. Papanastasiou**, Department of Environment, Cyprus*

*"Turning domestic Used Cooking Oil into a Renewable Fuel for Education and Entrepreneurship: the case of Tiganokinisi", **D. Petsa**, ISOTECH Ltd*

*"Coupling Concentrated Solar Power with Multiple Effect Distillation for Seawater Desalination", **A. Bonanos**, The Cyprus Institute, Cyprus*

*"MED Greenhouses – An innovative geothermal technology for energy & water use efficiency in greenhouse sector", Prof. **A. Papachatzis**, Univ. of Thessaly, Greece*

*"GreenMind project", **G. Aifadopoulou**, Research Director – Deputy Director HIT*

*"Sustainable Urban Mobility Plans in MED-Port cities", **M. Miltiadou**, Aristotle University of Thessaloniki, SUMPORT & ADRIPASS projects*

*"MOTIVATE project", **A. Karakatsanis**, Municipal Engineer, Larnaca Municipality*

*"LOCATIONS project", **A. Spyridonidou**, Executive Secretary of CIVINET CY-EL, Cyprus*

*"Chania traffic control system: Optimizing the traffic control using environmental data – Step2Smart project.", **G. Marinakis**, Director of the Traffic Control & Street Lighting Dept. of Chania Municipality, Greece*

*"The Latest Developments in Promoting Intelligent Transport Systems (ITS) in Cyprus", **A. Savva**, Executive Engineer, Public Works Department, Cyprus*

*"Step2Smart: operational integration of traffic management and air quality assessment in the City of Nicosia", **F. Barmpas**, Laboratory Teaching Personnel, Aristotle University of Thessaloniki (AUTH), Greece*

13:00-14:00 Light lunch

14:00-15:00 Smart Cities & Digital Economy

Moderator: **A. Kolyvas** | Civil Engineer- Transport Planner at Nicosia Municipality, Cyprus

D. Drakopoulos | Smart City Consultant of Nicosia Municipality, Cyprus

N. Lambrogiorgos | Senior Account Manager, CISCO, HELLAS-CYPRUS

Charalambos Charalambous | Director of sales and Business development, Logicom Solutions

A. Kalogeras | Research Centre ATHENA, ISI, ESMARTCITY project, Greece

Q&A and discussion

15:00-16:00 Good Circular Economy Practices. Financing & funding tools.

Moderator: **G. Zarlenga** | CUEIM

D. Prasek | Environment and Sustainability Department, EBRD

M. Litsardopoulou | Royal Norwegian Embassy, Greece

A. Kontouzoglou | CEO Sometra, Romania

P. Mourgos | TEXAN / ENVIPCO, Greece

V. Zepic | Tecos, Slovenia

Z. Mantas | Eunice Energy Group

D. Kokosioulis | Dynamic Vision, Greece

Q&A and discussion

16:00-16:30 Conclusions & Closure

3 Participants

The CIRCLE 2019 + SMILE 2019 Conference followed the success of CIRCLE 2018 event with a large number of participants and stakeholder from academia, research, business world, public authorities and external experts.

The event has been organized under the auspices of the DG ENV and DV MOVE. The organization of the event is attributed to the Ministry of Transport, Communication and Works of Cyprus, the Municipality of Nicosia, the University of Cyprus, the National Technical University of Athens, Interreg Mediterranean Urban Transports Community, Interreg Mediterranean EnerNETMob project, Interreg Greece-Cyprus Programme and Dynamic Vision.

The event is supported by Visit Cyprus, the Central Union of Municipalities of Greece, the Region of Crete, Interreg MED Green Growth Community, InnovaSUMP Interreg Europe project, Greening the Islands network, the Technical University of Crete, and Insuleur network.

The conference expo area was participated by several projects funded under the INTERREG MED Programme as follows

| Urban Transports Community | Green Growth Community |
|-------------------------------|----------------------------|
| ENERNETMOB | GRASPINNO |
| LOCATIONS | ESMARTCITY |
| REMEDIQ | MED GREENHOUSES |
| SUMPORT | GREENMIND |
| MOTIVATE | |
| Sustainable Tourism Community | Renewable Energy Community |
| BLUEISLANDS | COMPOSE |
| BLUEMED | |

The Esmartcity project participated in the event with partners: LP-Abruzzo Region, Industrial Systems Institute – ATHENA Research Center, Energy and Environment Agency of Arrábida.

4 Synergies and results /lessons learnt

The CIRCLE 2019 + SMILE 2019 Conference provided a two day ground for discussion and elaboration on a number of issues including: Circular Economy, Green Economy, Blue Economy, Island Dimension, Sustainable Mobility, Energy Innovation and Policies, National and Territorial Plans, Waste Management, Open Data, Cycling, Public Authority role for Sustainability, Electromobility, Cross-border collaboration, Smart Cities, and Financing and funding tools.

The Esmartcity project participated in the Conference Expo with available printed material and a banner and had fruitful discussions with different stakeholders, both in the context of the Interreg MED programme funded projects as well as external stakeholders coming from academia and the business world.

Different interventions of Esmartcity partners took place during the conference.

During the first day Orlando Paraiba of Energy and Environment Agency of Arrábida participated in the session “Innovation, Policies in the Energy – Water Nexus”. The session focused on energy and water issues with a special emphasis on islands. Orlando Paraiba presented Energy and Environment Agency of Arrábida experience in the field, also associated with the Esmartcity project that comprises energy efficiency in cities, both with reference to public buildings and smart city lighting, as the main topic of its pilot testing activity.

On the first day also Cristina Daniel of Energy and Environment Agency of Arrábida participated in the session “Climate change, Energy and Mobility National and Territorial Plans”. The session focuses on the need for integrated national and territorial plans so as to deal with energy and mobility issues and mitigate climate change risks. Cristina Daniel presented good experiences from Portugal with reference to the quest for Carbon Neutrality, covering different sectors like energy, transport, residues, agriculture, forestry, soil use, and circular economy. Emphasis of the talk is placed on mobility and energy. Especially with reference to energy reference is made to Renewables, Storage, Distribution and Transport of Energy, and Energy Efficiency. Work of ENA towards its targeted area municipalities with reference to energy is also mentioned. Three municipalities are included in the pilot testing in Portugal with reference to their public buildings.

Finally, on the second day of the conference Athanasios Kalogeras of the Industrial Systems Institute of the ATHENA Research Center participated in the session “Smart Cities and Digital Economy”. The session discussed issues pertaining to Smart Cities and their ability to boost Digital Economy. Esmartcity project was presented during this session and reference was made to its main challenges, trying to match technology push for the Smart City market with public authority pull. Openness and standardization of data and infrastructures especially with reference to the IoT in cities can contribute to Smarter and Circular cities and solve problems of sustainability and innovation ecosystem enhancement, as well as vendor lock-in for cities, and city lock-in for vendors. Pilot testing of the project is presented as well as policy recommendations for innovation policy change and anticipated capacity building activities towards SMEs and public authorities.





