



Output 5.4

Socio-Urban Circularity Workshops



NATIONAL TECHNICAL
UNIVERSITY OF ATHENS



INNOMED-UP

Promoting UPcycling in Circular Economy through INNnovation and education for creative industries in MEDiterranean cities

Work Package (WP5): Pilot Integration Actions Output 5.4: Socio-Urban Circularity Workshops

Activities:	<p>A 5.4.1 Workshop for the role of CCI in revitalization of Med Urban Centers and promotion of CE</p> <p>A 5.4.2 Open Workshop for Civil society engagement in the INNOMED-UP Model in MPC > Amman, Jordan</p> <p>A 5.4.3 Open Workshop for the role of CCI in revitalization of Med Urban Centers and promotion of CE</p> <p>A 5.4.4 Open Workshop for Civil society engagement in the INNOMED-UP Model in EUMC > Palermo, Italy</p> <p>A 5.4.5 Report on social and urban integration issues</p>														
Output Participating Partners:	<table border="0"> <tr> <td data-bbox="411 1160 991 1227"> National Technical University of Athens (NTUA), Greece </td> <td data-bbox="1018 1160 1294 1238"> Lead Beneficiary (BEN) WP1 Coordinator </td> </tr> <tr> <td data-bbox="411 1279 903 1346"> Environmental Planning Engineering and Management (EPEM SA), Greece </td> <td data-bbox="1018 1279 1305 1312"> Project Partner 1 (PP01) </td> </tr> <tr> <td data-bbox="411 1384 815 1417"> Municipality of Prato (MoP), Italy </td> <td data-bbox="1018 1384 1305 1417"> Project Partner 2 (PP02) </td> </tr> <tr> <td data-bbox="411 1458 946 1525"> Centre for Economic and Social Research for the South of Italy (CRESM), Italy </td> <td data-bbox="1018 1458 1305 1491"> Project Partner 3 (PP03) </td> </tr> <tr> <td data-bbox="411 1563 767 1597"> Municipality of Tunis, Tunisia </td> <td data-bbox="1018 1563 1305 1597"> Project Partner 4 (PP04) </td> </tr> <tr> <td data-bbox="411 1637 959 1671"> Birzeit University (BZU), Palestinian Authority </td> <td data-bbox="1018 1637 1305 1671"> Project Partner 5 (PP05) </td> </tr> <tr> <td data-bbox="411 1704 991 1794"> Future Pioneers for Empowering Communities' Members in the environmental and educational fields (FPEC), Jordan </td> <td data-bbox="1018 1704 1305 1738"> Project Partner 6 (PP06) </td> </tr> </table>	National Technical University of Athens (NTUA), Greece	Lead Beneficiary (BEN) WP1 Coordinator	Environmental Planning Engineering and Management (EPEM SA), Greece	Project Partner 1 (PP01)	Municipality of Prato (MoP), Italy	Project Partner 2 (PP02)	Centre for Economic and Social Research for the South of Italy (CRESM), Italy	Project Partner 3 (PP03)	Municipality of Tunis, Tunisia	Project Partner 4 (PP04)	Birzeit University (BZU), Palestinian Authority	Project Partner 5 (PP05)	Future Pioneers for Empowering Communities' Members in the environmental and educational fields (FPEC), Jordan	Project Partner 6 (PP06)
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Future Pioneers for Empowering Communities' Members in the environmental and educational fields (FPEC), Jordan	Project Partner 6 (PP06)														

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Thematic objective: A.2 Support to education, research, technological development & innovation

Priority: A.2.2 SMEs access to research and innovation

Duration: September 1st, 2019 - August 31st, 2023 (48 months)

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1 ACTIVITY 5.4.1: WORKSHOP FOR THE ROLE OF CCIs IN REVITALIZATION OF MED URBAN CENTERS AND PROMOTION OF CE

1.1 SUMMARY

The preparation for the implementation of the Socio - Urban Circularity Workshops has been started during the training activities (June -July 2021) and was programed to be conducted immediately.

In July 2021, **the Workshop activities for the role of CCIs in the revitalization of Med Urban Centers** has been initiated, firstly by selecting the public urban space (Badran Plaza) in coordination with the Palestine Polytechnic University in Hebron. Then, the BZU team organized a field visit and held a workshop in Hebron Old Town for CCIs SMEs owners and Architecture Students from Birzeit university (4 students) and Palestine Polytechnic University (2 students).

The conducted Tour aimed to evaluate and survey the chosen public spaces/ Badran Plaza to implement their own ideas and Design interventions for Developing the Urban Space and Building Façades of the Badran Plaza.

Also, The Architecture Students Visited the SMEs Workshops to explore their own designs and products for embedding them in the proposed drawings and designs for the revitalization of the Plaza. While, the **Workshops for Promotion of CE** has been postponed to next November 2021 due to the urgent restrictions caused by COVID 19.

On the 3rd and 7th of November 2021, the two **workshops for promotion of CE** were conducted successfully in both cities. Meanwhile, the work on the **activities for the role of CCIs in the revitalization of Med Urban Centers** continued in enormous efforts due to the continues contact with SMEs by Zoom or face to face through workshops to discuss their concepts, ideas, sketches, preliminary designs, and then transforming all into computerized programs design with the help of the students. In addition, the students with the support of fresh graduate Architects produced two 3D videos for the PLAZA, one Video representing the existing Status while the other one reflected virtually the space after the CCIs SMEs interventions.

All results regarding **Socio-Urban Circularity** have been presented in the last phase of the second community awareness workshop, which was conducted on the 6th of March 2022 in the Hebron Old Museum/ Hebron. The Workshop was entitled: ***Development & Revitalization of public spaces in the Historic Centre of Hebron, Badran Plaza as a Pilot Project.***

1.2 WORKSHOP DESCRIPTION

The Workshops aimed to discourse a series of lectures and presentations introduce to the audience the main concept of the INNOMED-UP research program as well as its principal objectives and current research achievements, in addition to the Circular Economy concepts and current challenges. Highlighting, the role of CCI & SMEs in developing and revitalizing the urban spaces in the historic Centre of Hebron.

The workshop was opened with the speeches of the project's director, the project's advisory committee, representative of Hebron Municipality, Vice-President of the Chamber of Commerce, Director of the Hebron Rehabilitation Committee, official and civil institutions and Craftsmen. All of them emphasized the importance **role of CCI SMEs in developing & revitalizing the Historic Urban Center in Hebron**, through the innovation and the creativity of designed recycled materials and elements to be used in the Badran Plaza as a pilot model with respect to the principles of conservation and restoration of historic centers.

Thereafter different valuable lectures and topics presentations were tendered and discussed such as the reality of public spaces - urban and social - in the old city of Hebron by Arch. Helmy Maraqa from Hebron Rehabilitation Committee, The professor at Palestine Polytechnic University, Dr. Wael Shahen, gave a presentation about Concepts and principles of developing and revitalizing public spaces - urban and social in historical centers, and Arch. Essam Ejha from Beit-Lahem Conservation Center also gave a presentation on Applied cases on the development and revival of public spaces in historical centers.

In the final session, The INNOMED - UP Research team introduced the main concepts, objectives, and goals of the intervention. Also, BZU team with Hebron Craftsmen SMEs and Students presented their current research stage shortly by showing examples of proposed innovative creative elements designed with different configurations to be implemented in the suggested proposal plan for the revitalization of the Badran Plaza. As well as, the two 3D videos about the Plaza status before and after were projected.

At conclusion, discussions and recommendations were addressed and they mostly focused on the importance of the topic and the necessity of involving all local Craftsmen and not the SMEs only, in the revitalization of the historic Centers by proposing ideas and creative designs to produce innovative objects based on the principles of the circular economy. Plans at national and local levels for the conservation and revitalization of urban centers proved to be considered explore the potential skills and the capacity of Local CCIs SMEs to contribute and improve the quality of life in Med Urban Centers. All workshops had been held face to face.

1.2.1 Goals

1. (Research team) To revisit some of the CCI SMEs to prepare in more detail the upcoming pilot cluster.
2. (participants) To introduce the main INNOMED – UP research concepts and get feedback from young architects, designers, urban planners etc.
3. (stakeholders) To update the program's main stakeholders with the current state of INNOMED – UP research and get their instant as well as long-term feedback.

1.2.2 Implementation

The Workshops Held in 3 Days:

➤ **Workshop in Hebron- Day 1:** General Program was structured in four sections:

Time	Section	Wednesday 3 rd November 2021
10:00 – 10:30	Section A	<p>Promotion of Circular Economy</p> <p>Interventions of key stakeholders, invited speakers, and BZU INNOMED-Up project</p>
10:30 – 11: 10	Section B	<p><i>Status of Solid Waste and Traditional Handcrafts Industries in Palestine and in Hebron District: Facts & Challenges</i></p> <p>Two presentations related to the circular economy in terms of its reality and challenges in Palestine:</p> <ul style="list-style-type: none"> • A presentation on the reality of waste in Palestine - solid waste as a model: the experience of the Joint Services Council for Solid Waste Management - southern West Bank • A presentation on the reality of traditional and handcraft industries - facts and challenges. • A film was shown during that, which was produced by Birzeit University, including excerpts about the products and method of work of the craftsmen participating in the project.
11:10 – 12:05	Section C	<p>Circular Economy Principles & SMEs Training</p> <ul style="list-style-type: none"> • A presentation about the concepts and principles of the circular economy • A thorough presentation gave on the training of the SMEs during the project.
12:05 – 12:45	Section D	<p>Role and Effects of Recycled Traditional Handcrafts on the Socio – Economy situation at Local and National Levels & Success Stories</p> <ul style="list-style-type: none"> • A presentation gave on the role and impact of traditional and recycled craft industries on society and the local and national economy. • Three films were shown as examples on the succeed stories of the circular economy in Palestine.

→ More details about the agenda regarding Sections A, B, C & D that were held on **Wednesday 3rd November 2021**

Time	Section	Wednesday 3 rd November 2021
10:00 – 10:30	Section A	Promotion of Circular Economy Interventions of key stakeholders, invited speakers, and BZU INNOMED-Up project
10:00 – 10:05	Introduction to INNOMED UP project and future activities	Shadi Ghadban BZU Coordinator of INNOMED-UP Project, Emeritus Professor of BZU
10:05 – 10:10		Mohammad Jawabreh BZU Communication Project Officer Professor, BZU
10:10 – 10:15	Circular Economy and Cultural Creativity Industry in the city	Imad Hamdan Director of the Hebron Rehabilitation Committee, Member of the Advisory Committee
10:15 – 10:20		Mohsen Zalloum Vice-President of the Chamber of Commerce, Member of the Advisory Committee
10:20 – 10:25		Yousef Al-Jabari Deputy Mayor of Hebron Municipality, Hebron Municipality
10:25 – 10:30		Bader Al-Da'our Head of the Hebron traditional handcraft gathering
10:30 – 11: 10	Section B	Status of Solid Waste and Traditional Handcrafts Industries in Palestine and in Hebron District: Facts & Challenges
10:30 – 10: 50	Circular Economy & Solid Waste - Reality and Challenges in	Majed Al-Srai' Joint Services Council for Solid Waste, Hebron District
	Palestine and Hebron	
10:50 – 11: 10	Reality of traditional handcraft industries - facts and challenges	Sami Abu Arqoub Director General of Tourism and Antiquities, Member of the Advisory Committee

Time	Section	Wednesday 3 rd November 2021
11:10 – 12:05	Section C	Circular Economy Principles & SMEs Training
11:10 – 11:30	Concepts and principles of the circular economy	Malek Salhab General Director of Safety Unit Professor at Palestine Polytechnic University, Hebron
11:30 – 12:05	Introduction into SMEs training program, concept, objectives, Methodology, Constrains, challenges and results	Baher Idkeidek Responsible of Training Program Director of Training Unit, Center of continuing Studying, BZU
12:05 – 12: 45	Section D	Role and Effects of Recycled Traditional Handcrafts on the Socio – Economy situation at Local and National Levels & Success Stories
12:05 – 12:25	Introduction on the role and impact of traditional and recycled crafts industries on Environment, society, and on local & national economy	Salam Dudin Environmental Quality Authority, Hebron District Member of the Advisory Committee
12:25 – 12: 45	Three films were shown as examples on the succeed stories of the circular economy in Palestine.	Mohammad Jawabreh BZU Communication Project Officer Professor, BZU
12:45 – 13: 15	Discussion (Q&A) Training Program and results, and a film was shown during that, which was produced by Birzeit University, including excerpts about the products and method of work of the craftsmen participating in the project. As well as certificates were distributed to the participants of the SMEs in the training program.	

➤ **Workshop in Nablus- Day 2:** General Program was structured in four sections

Time	Section	Sunday 7 th November 2021
10:00 – 10:30	Section A	<p>Promotion of Circular Economy</p> <p>Interventions of key stakeholders, invited speakers, and BZU INNOMED-Up project</p>
10:30 – 11: 10	Section B	<p>Status of Solid Waste and Traditional Handcrafts Industries in Palestine and in Hebron District: <i>Facts & Challenges</i></p> <p>Two presentations related to the circular economy in terms of its reality and challenges in Palestine:</p> <ul style="list-style-type: none"> • A presentation on the reality of waste in Palestine - solid waste as a model: the experience of the Joint Services Council for Solid Waste Management - southern West Bank • A presentation on the reality of traditional and handicraft industries - facts and challenges. • A film was shown during that, which was produced by Birzeit University, including experts about the products and method of work of the craftsmen participating in the project.
11:0 – 12:05	Section C	<p>Circular Economy Principles & SMEs Training</p> <ul style="list-style-type: none"> • A presentation about the concepts and principles of the circular economy • A thorough presentation gave on the training of the SMEs during the project.
12:05 – 12: 45	Section D	<p>Role and Effects of Recycled Traditional Handcrafts on the Socio – Economy situation at Local and National Levels & Success Stories</p> <ul style="list-style-type: none"> • A presentation gave on the role and impact of traditional and recycled craft industries on society and the local and national economy. • Three films were shown as examples on the succeed stories of the circular economy in Palestine.

→ More details about the agenda regarding Sections A, B, C & D that were held on **Sunday 7th November 2022**

Date	Section	Sunday 7 th November 2022
10:0 – 10:30	Section A	Promotion of Circular Economy Interventions of key stakeholders, invited speakers, and BZU INNOMED-Up project
10:0 – 10:05	Introduction to INNOMED - UP project and future activities	Shadi Ghadban BZU Coordinator of INNOMED-UP Project, Emeritus Professor of BZU
10:05 – 10:10		Mohammad Jawabreh BZU Communication Project Officer Professor, BZU
10:10 – 10:15	Circular Economy and Cultural Creativity Industry in the city	Eyad Khalaf Chief in A canting, Nablus Municipality
10:15 – 10:20		Omar Hashem President of the Chamber of Commerce, Nablus
10:20 – 10:25		Moufeed Salah Director of Nablus' Tourism and Antiquities, Member of the Advisory Committee
10:25 – 10:30		Amjad Kharraz General Manager of Nablus Environment Quality Authority
10:30 – 11: 10	Section B	Status of Solid Waste and Traditional Handcrafts Industries in Palestine and in Hebron District: Facts & Challenges
10:30 – 10: 50	Circular Economy & Solid Waste - Reality and Challenges in Palestine and Hebron	Saa'd Abu Zanet Joint Services Council for Solid Waste, Nablus Municipality
10:50 – 11: 10	Reality of traditional handicraft	Moufeed Salah Director of Nablus' Tourism and Antiquities, Member of the Advisory Committee

Date	Section	Sunday 7 th November 2022
	industries - facts and challenges	
11:10 – 12:05	Section C	Circular Economy Principles & SMEs Training
11:10 – 11:30	Concepts and principles of the circular economy	<p style="text-align: right;">Malek Salhab General Director of Safety Unit Professor at Palestine Polytechnic University, Hebron</p>
11:30 – 12:05	Introduction into SMEs training program, concept, objectives, Methodology, Constrains, challenges and results	<p style="text-align: right;">Baher Id keidek Responsible of Training Program Director of Training Unit, Center of continuing Studying, BZU</p>
12:05 – 12: 45	Section D	<p style="text-align: center;">Role and Effects of Recycled Traditional Handcrafts on the Socio – Economy situation at Local and National Levels & Success Stories</p>
12:05 – 12:25	Introduction on the role and impact of traditional and recycled crafts industries on Environment, society, and on local & national economy	<p style="text-align: right;">Hamadallah Afaneh Director of Nablus’ Culture, Hebron District Member of the Advisory Committee</p>
12:25 – 12: 45	three films were shown as examples on the succeed stories of the circular economy in Palestine.	<p style="text-align: right;">Mohammad Jawabreh BZU Communication Project Officer Professor, BZU</p>

Date	Section	Sunday 7 th November 2022
12:45 – 13: 15		<p>Discussion (Q&A)</p> <p>Training Program and results, and a film was shown during that, which was produced by Birzeit University, including excerpts about the products and method of work of the craftsmen participating in the project. As well as certificates were distributed to the participants of the SMEs in the training program.</p>

➤ **Workshop in Hebron- Day 3:** General Program was structured in four sections:

Date	Section	Sunday 6 th March 2022
11:0 – 11:20	Section A	<p><i>The role of CCIs SMEs in the revitalization of Hebron:</i> Development & Revitalization of public spaces in the Historic Centre of Hebron, Badran Plaza as a Pilot Project</p> <ul style="list-style-type: none"> Interventions of key stakeholders, invited speakers, and BZU INNOMED-Up project
11:20 – 11: 45	Section B	<p><i>Status of Urban Spaces in Hebron Historic Centre</i></p> <ul style="list-style-type: none"> A presentation on the reality of public spaces-urban and social aspects - in the old city of Hebron
11:45 – 12:35	Section C	<p><i>Principles of Development and Revitalization of Urban spaces in Historic Centers & Applied Cases</i></p> <ul style="list-style-type: none"> A presentation gave about Concepts and principles of developing and revitalizing public spaces - urban and social in historical centers A presentation on Applied cases on the development and revival of public spaces in historical centers.
12:50 – 13: 30	Section D	<p><i>Role of Innovations, Creativity, and Recycled Handcrafts in Revitalizing Public Spaces, Badran Plaza</i></p> <ul style="list-style-type: none"> BZU team with Hebron Craftsmen SMEs and Students presented their current research stage shortly by showing examples of proposed innovative Creative elements designed with different Configurations to be implemented in the suggested proposal plan for The Revitalization of the Badran Plaza Two 3D videos about the Plaza status before and after interventions were shown

→ More details about the agenda regarding Sections A, B, C & D that were held on **Sunday 6th March 2022**

Time	Sunday 6 th March 2022	
11:0 – 11:20	Section A	Development & Revitalization of public spaces in the Historic Centre of Hebron Interventions of key stakeholders, invited speakers, and BZU INNOMED-Up project
11:0 – 11:05	Introduction to INNOMED – UP project	Shadi Ghadban BZU Coordinator of INNOMED-UP Project, Emeritus Professor of BZU
11:05 – 11:10	Main principles of Circular Economy and Revitalization	Imad Hamdan Director of the Hebron Rehabilitation Committee, Member of the Advisory Committee
11:10 – 11:15		Mohsen Zalloum Vice-President of the Chamber of Commerce, Member of the Advisory Committee
11:15 – 11:20		Maher Al Tamimi Representative of Hebron Municipality, Member of the Advisory Committee
11:20 – 11: 45	Section B	Status of Urban Spaces in Hebron Historic Centre
	Historical Background and status of public urban spaces and social aspects in the old city of Hebron	Helmy Maraqa Executive Director of Conservation Unit, Hebron Rehabilitation Committee, Member of the Advisory Committee
11:45 – 12:35	Section C	Principles of Development and Revitalization of Urban spaces in Historic Centers & Applied Cases
11:45 – 12:10	Concepts and principles for revitalizing socio-urban spaces in historical centers	Wael Shahan Architectural department, Professor of Palestine Polytechnic University, Hebron

Time	Sunday 6 th March 2022	
12:10 – 12:35	Applied cases: Local, National, and international Examples of development and revitalization of public spaces in historical centers.	Essam Ejha Director of Beit-Lahem Cultural Conservation Center
12:50 – 13: 30	Section D Role of Innovations, Creativity, and Recycled Handcrafts in Revitalizing Public Spaces, Badran Plaza	
12:50 – 13: 00	Introduction to the proposed project. Concept & Program	Mohammad Jawabreh BZU Communication Project Officer Professor, BZU
13:00 – 13: 10		Shadi Ghadban BZU Coordinator of INNOMED-UP Project, Emeritus Professor of BZU
13:10 – 13: 20	Project Framework and Role of Palestine Polytechnic University Students in the Project	Rawa' Amer Architectural Department 4 th Level Palestine Polytechnic University
13:20 – 13: 30	Methodology, Approaches and Procedures Adopted in the Project	Anas Al Khateb Architectural Department 5 th Level BZU
13:30 – 14: 00	Discussion (Q&A) Project Results Presentation of Practical Thoughts and Ideas for Badran Plaza Revitalization in the Historic Centre of Hebron & two videos 3D for the Plaza before and after interventions by the research team of BZU.	

1.2.4 Participants

→ Creative workshops that participated:

Craftsmen Groups & Interventions table		
#	Craftsman Names	Craftsmen Intervention
1	Fayz Karake Alaa' Abu Haikal Fidaa Gaith	Doors Cladding
2	Fayz Karake Alaa' Abu Haikal	Window Shutters
3	Alaa' Abu Haikal Fidaa Gaith	Mural Works
4	Fidaa Gaith Israa' Atawna	Basin's cultivation- Greenery / wood pallets
5	Mohammad Rashad Jabari Sou'ad Shaheen	Trash (Marble & Mosaic)
6	Mohammad Rashad Jabari Amer Ja'abari	Water Spring (Stones and Ceramic Tiles)
7	Jihan Qawasmi Mohammad Rashad Jabari	Tables Surfaces (Mosaic)
8	Eman Atawna Khtiam Shahan	Shops Canopies (Texture)
9	Eman Atawna Khtiam Shahan	Seats (woods)
10	Sou'ad Shaheen	Lighting (Mosaic and Stone)

→ Under-graduate architecture students that participated:

1. Group A: Birzeit University, BZU

- 1 Rand Murra
- 2 Saja Abu Hammad
- 3 Anas Al Khateb
- 4 Rateb Bakri

2. *Group B: Palestine Polytechnic University, PPU. Hebron*

1 Rawia Nabeel Abu-Snaineh.

2 Rawaah Abedalqader Amro.

→ Stakeholders that participated in the Workshop:

1. *Hebron City:*

- 1 Hebron Municipality, Yousef Al Jabari
- 2 Hebron Rehabilitation Committee, Imad Hamdan
- 3 Hebron Chamber of Commerce, Mohsen Zalloum
- 4 Environmental Quality Authority- Hebron, Salma Duden
- 5 Hebron Tourism Directorate, Sami Abu Arquob

2. *Nablus City:*

- 1 Nablus Municipality, Iyad Khalf
- 2 Nablus Chamber of Commerce, Omar Hashim
- 3 Environmental Quality Authority- Nablus, Amjad Al Kharaz
- 4 Nablus Tourism Directorate, Mofid salah
- 5 Nablus Cultural Directorate, Hamdallah Afaneh

1.2.5 Results:

Sketches Examples of Proposed Interventions:

Wood Table and Stools

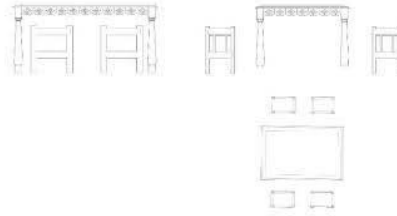
Craft Man/Women - Artists
Name :

Najah and Jihan Qawasmi

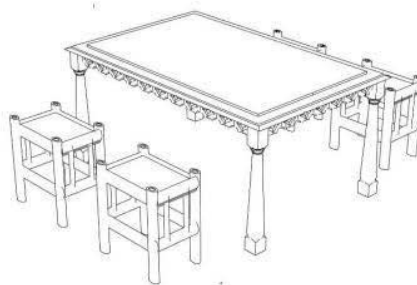
Metterials : Wood, Fabric
and Ceramic



Sketch



Technical Drawings



Perspective view



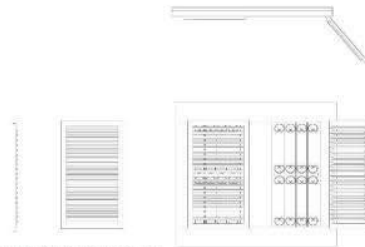
Image

Wood Shutters

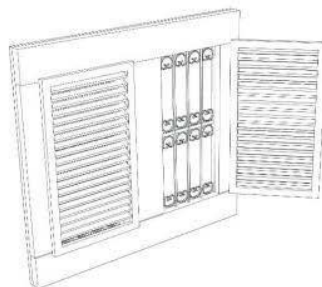
Craft Man/Women - Artists
Name :

Fayez and Haikal

Metterials : Wood and
Steel



Technical Drawings



Perspective view



Image

Water Spring

Craft Man/Women - Artists
Name :

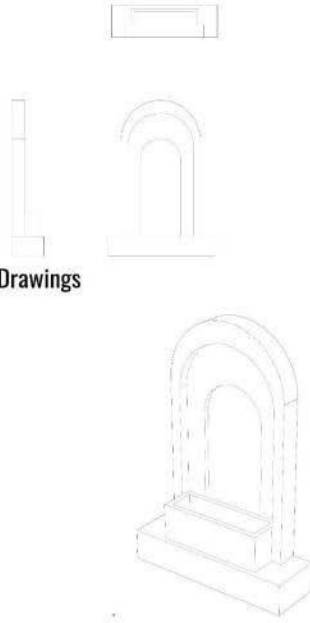
Abu Mahmoud Aljabari

Metterials : Ceramic tiles
and Stones,



Sketch

Technical Drawings



Perspective view



Image

Wood Railing and Boxes

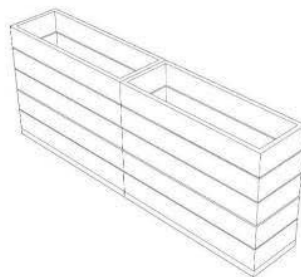
Craft Man/Women - Artists
Name :

Fidaa',
Jabari
Israa'

Metterials : Wood, Joints



Technical Drawings



Perspective view



Image

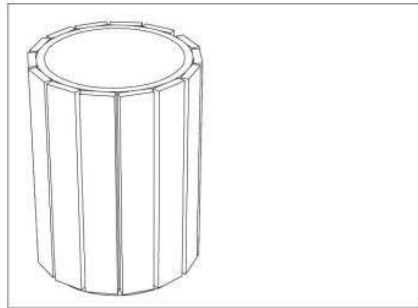
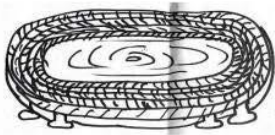
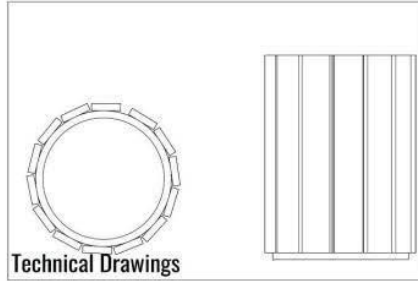
Sketch

Flower Bed

**Craft Man/Women - Artists
Name :**

Najah and Jihan Qawasmi

Metterials : Wood and Rubber

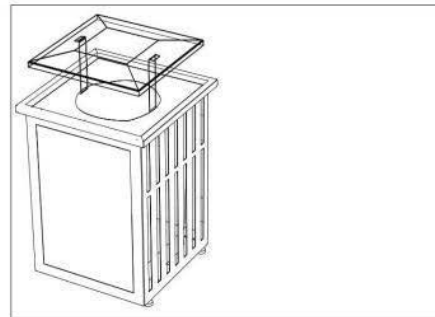
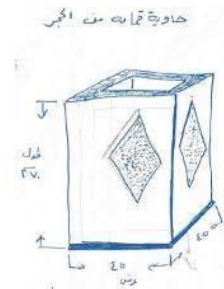
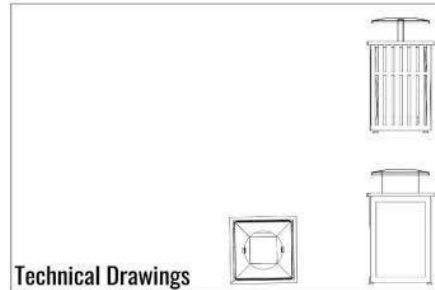


Trash

**Craft Man/Women - Artists
Name :**

**Suad, Jihan and
Abu Mahmoud**

**Metterials : Steer and
Ceramic**



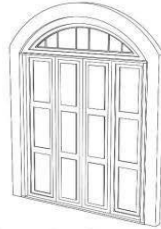
Door Cladding

Craft Man/Women - Artists
Name :

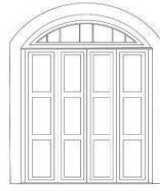
Fayez and Haykal

Metterials : Wood Cladding

Technical Drawings



Perspective view



Image

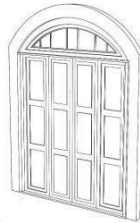
Shelves

Craft Man/Women - Artists
Name :

Fayez and Haykal

Metterials : Wood

Technical Drawings



Perspective view



Image

Lightings

Craft Man/Women - Artists
Name :

Abu Mahmoud Alja'bari

Metterials : Mosaic and Ceramic

Technical Drawings



Sketch



Perspective view



Image

1.3 PHOTOS







2 ACTIVITY 5.4.2: OPEN WORKSHOP FOR CIVIL SOCIETY ENGAGEMENT IN THE INNOMED-UP MODEL IN MPC > AMMAN

2.1 INTRODUCTION

One of the important outputs under WP05 is the Socio-Urban Circularity Workshops. Social and urban integration of Circular Economy is of great interest for the INNOMED-UP Model. Therefore, the project has foreseen the organization of 4 workshops in Athens, Hebron/Nablus, Palermo and Amman in order for the respective partners to explore further the concept of Circular Economy and its socio-urban integration aspects.

An Open Workshop for Civil society engagement in the INNOMED-UP Model has been organized by Future Pioneers on March 3rd, 2023. This date was chosen as majority of the (38) sub-grants were awarded and implemented which provided a live example for the women and local community about this concept. Although this project was organized at the premises of the info-point, but it took the shape of discussion and showing the different products produced by the sub-grantees.

As the info point is full with different products from the sub-grantees, it played as a live example for the others about the possible creative products that can be produced out of waste and recycled materials and be sold in the market.

Also, the other beneficiaries through Future Pioneers project were part of this work shop.





The lecturer explained the concept of circular economy, which included a brief and simplified explanation of the project to promote the principle of “changing innovative use” in the “circular

economy” through innovation and education for creative industries in cities in the Mediterranean basin, in addition to a simplified and brief explanation of Circular economy by explaining the following topics:

- Introducing the project Objectives
- An overview of linear economics
- About the circular economy
- Recycling in nature
- A practical example of a circular economy
- The importance of the circular economy in various fields
- How to achieve and implement the circular economy
- Global and local examples of the circular economy
- Examples of innovative usage change: Up-Cycling
- Examples of innovation in the recycling process

The project’s results are in general positive, and the provided technical and financial support to the SMEs have improved the quality and quantity of their production in the field of circular economy. This was clearer in case of the cooperation with the universities who provided their close mentorship and technology for improved and innovative recycled products. They encouraged the different SMEs to replace linear economy with circular economy.

Also, this meeting helped in re-disturbing the smart bins and clustering for the final time based on the results of the previous times. The lecturer introduced the experience of the smart bins and bicycles and invited the participants to be part of the clustering experience.

At the end, all the participants were invited to attend the open bazars that were planned next month for the products of the sub-grantees and to join the tours for the beneficiaries benefited from sub-grants.

2.2 PHOTOS





2.3 PARTICIPANTS LIST

Name of Participant	Organization	Contact info	Gender	Age group
Eman Hussien	Local community	Mob 0796761264	Female	35-44
Ekhlas Al-Zubi	Local community	788232167	Female	35-44
Gahith Khateeb	Local community	789910142	Male	45-50
Mohammad Daraghmeh	Local community	778242425	Male	25-34
Noura Meqdadi	Local community	776972897	Female	35-44
Khlood Mahmoud	Local community	776071789	Female	35-44
Sumia Hyasat	Local community	79710524	Female	35-44
Wala'a Assaf	Local community	79710524	Female	35-44
Rania Salah	Local community	787796318	Female	35-44
Nour-Idien Bilal	Local community	787796358	Male	25-34
Eman Abu Man'a	Local community	787796358	Female	35-44
Duha Abdellah	Local community	788065881	Female	35-44
Nahla Mohammad	Local community	788065881	Female	35-44
Anas Abu Musameh	Local community	788529557	Male	35-44
Hanan Jamal	Local community	781255137	Female	35-44
Qais Issa	Local community	791417900	Male	35-44
Abdellah Abdel Razzaq	Local community	796037176	Male	45-55
Heba Ziad	Local community	79571543	Female	35-44
Abeer Faisal	Local community	77257547	Female	35-44
Yusra Al-Hadidi	Local community	788432027	Female	35-44
Mousa Mohammad	Local community	797098243	Male	35-44
Othman Khlaed	Local community	786769964	Male	35-44
Abdellah Ahmad	Local community	788832082	Male	35-44
Haneen Olimat	Local community	786905486	Female	35-44
Rawan Faisal	Local community	781258441	Female	35-44

3 OPEN WORKSHOP FOR THE ROLE OF CCIS IN REVITALIZATION OF MED URBAN CENTERS AND PROMOTION OF CE

3.1 SUMMARY

Within the framework of the Innomed-up research program, a two-day workshop was organised in Athens on 28 and 29 June 2021. Its aim was to bring together some of the creative entrepreneurs located in the historic center of Athens, several key stakeholders of the Innomed-up program as well as the workshop participants (mainly young architects postgraduate students in urban planning). As the main objective of the Innomed-up program is to suggest a new developmental strategy for the revitalisation of Mediterranean cities, the workshop introduced the creative work of selected Small and Medium enterprises which already apply circular economy practices or have a strong potential to move towards circularity principles.

3.2 WORKSHOP DESCRIPTION

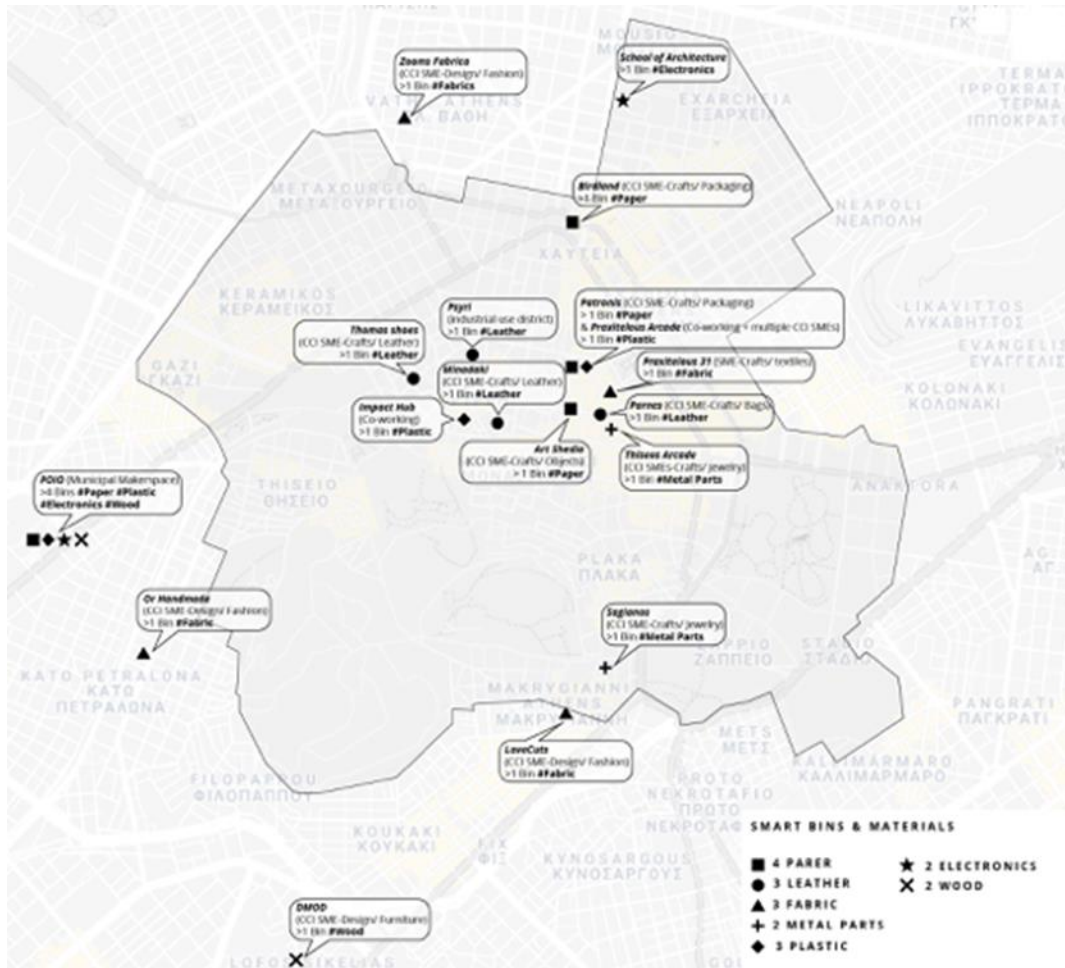
During the first day of the open workshop, a series of lectures and presentations were held in order to introduce to the audience (workshop participants & SMEs) the main concept of the Innomed-up research program as well as its principal objectives and current research achievements. Some of the key stakeholders of the program such as the Athens Development and Destination Management Agency (ADDMA - EATA), the Athens Chamber of Commerce and the Confederation of Professionals, Craftsmen and Merchants of Greece, were also invited to participate, get updates and contribute. The Innomed-up Research team introduced the main concepts, objectives and goals of the program and also presented its current research stage shortly before the completion of the second year of implementation. Antonis Mavropoulos, representing EPEM - PP2, explained in detail during his lecture Circular Economy concepts and current challenges. The evening was completed with vivid discussion among all the participated members. All the first day sessions took place remotely via teleconference due to the pandemic restrictions and lasted two hours.

During its second day, the workshop brought together the participants as well as the research team, offering the opportunity for urban routes around the historic center of Athens. The participants along with the research team visited eight selected creative workshops and stores learning about the creative work of SMEs, which produce different goods such as leather shoes, bags and design objects. Some of the selected CCI SMEs presented how they have already incorporated the circular economy principles, comprising good practices, while others revealed their potentials towards circularity.

3.2.1 Goals

1. (research team) To revisit some of the CCI SMEs in order to prepare in more detail the upcoming pilot cluster.
2. (participants) To introduce the main Innomed-up research concepts and get feedback from young architects, designers, urban planners etc.
3. (stakeholders) To update the program's main stakeholders with the current state of Innomed-

up research and get their instant as well as long-term feedback.



3.2.2 Implementation

➤ The Workshop General Program was structured in four sections:

Monday 28 th June 2021		
18.30-19.30	Section A:	<p>International examples & Good Practices of Circular Economy - Interventions of key stakeholders</p> <p>Presentations of invited speakers, representatives of the main stakeholders of INNOMED-Up project</p>

19.30-20.30	Section B:	Objectives & Results of the INNOMED-UP project - New paradigm / Procedures (tools) / Perspectives Presentations by the researchers of INNOMED-UP project regarding the main issues of interest, the smart and innovative tools and the potential of creating a pilot creative cluster.
Tuesday 29th June 2021		
10.30-13.00	Section C:	Creative & Circular Economy Routes in Athens - Visits to Creative Workshops & Stores - Upcycling Processes in Creativity / Good Practices, Design, Production and Distribution of Innovative Products
Until Thursday 1st July 2021		
	Section D:	Evaluation – Future prospects Online questionnaire Feedback by the participants in the form of an open questionnaire distributed through google forms: https://docs.google.com/forms/d/e/1FAIpQLSf8bvWHpgjyclpAOK6-x-bxNOgqmn-zumKJ-TOb5_juTPyo2g/viewform

→ More details about the agenda regarding Sections A & B that were held online through WebEx on **Monday 28th of June 2021.**

Monday 28th June 2021		
18.30-19.30	Section A:	International examples & Good Practices of Circular Economy - Interventions of key stakeholders
18.30-18.40	Introduction to Innomed-Up project	Sofia Avgerinou Kolonia, Scientific Coordinator of INNOMED-UP Project,

		Emeritus Professor of NTUA
18.40-18.50	Main principles of Circular Economy	Antonis Mavropoulos, Managing Director of the Environmental Studies Company SA (EPEM SA), Chairman, Scientific Committee of the International Union for Solid Waste Management
18.50-19.00		Melina Daskalaki, President, Athens Development and Destination Management Agency (EATA) Municipality of Athens
19.00-19.10		Sotiris Antoniou Director-General Athens Chamber of Commerce (ESA)
19.10-19.20		Petros Protopapadakis Scientific Executive, Small Business Institute, General Confederation of Professionals, Craftsmen and Merchants of Greece (GSEVEE)
19.30-20.30	Section B:	Objectives & Results of the INNOMED-UP project - New paradigm / Procedures (tools) / Perspectives
19.30-19.45	Procedures (tools) Innovation-New Technologies, Education-Expertise	Mattheos Papavasiliou, Associate professor NTUA
19.45-20.00	Design Condition for the Revitalization of Athens	Irini Klabatsea, Associate professor NTUA

20.00-20.30	Discussion (Q&A) Presentation of Creative & Circular Economy Routes in Athens by the research team of NTUA
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3.2.3 Participants

→ Creative workshops and shops that participated:

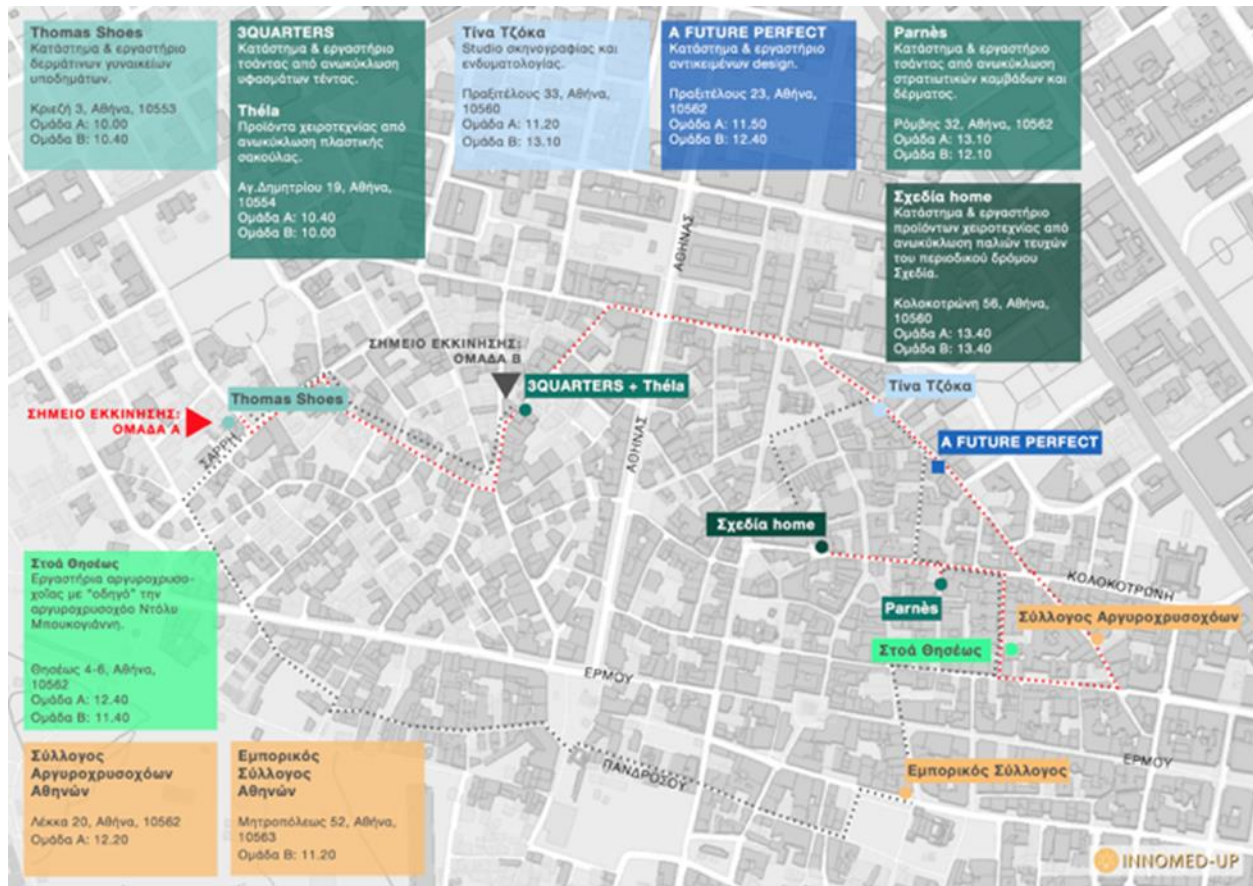
Thomas Shoes	Leather shoes shop & workshop in the area of Psyrri
3Quarters Théla	Shop & workshop of bag from recycling of tent fabrics in the area of Psyrri Handicraft products (bags, coasters, etc.) from recycled plastic bag
Tina Tzoka	Set design and costume design studio in Praxitelous Arcade
A Future Perfect	Shop & workshop of design objects on Praxitelous Street
Parnès	Shop & workshop for recycling military canvases and leather on Romvis Street
Thiseos Arcade	Silver and goldsmith workshops (with Dolly Boukogianni)
Street Magazine Shedia & Shedia Art Shop	Workshop and art shop of handicraft products from recycled of old magazine issues of Shedia

→ Post-graduate architecture and urban planning students that participated:

Seven (7) in Group A & Seven (7) in Group B

→ Stakeholders that participated in the Workshop:

1. Athens Development and Destination Management Agency, Melina Daskalaki
2. Athens Chamber of Commerce, Sotiris Antoniou
3. General Confederation of Professionals, Craftsmen and Merchants of Greece (GSEVEE), Petros Protopapadakis
4. Syllogos Argyrochrysoxon, Dolly Boukogianni



3.2.4 Results

4 Questions / 7 Responses

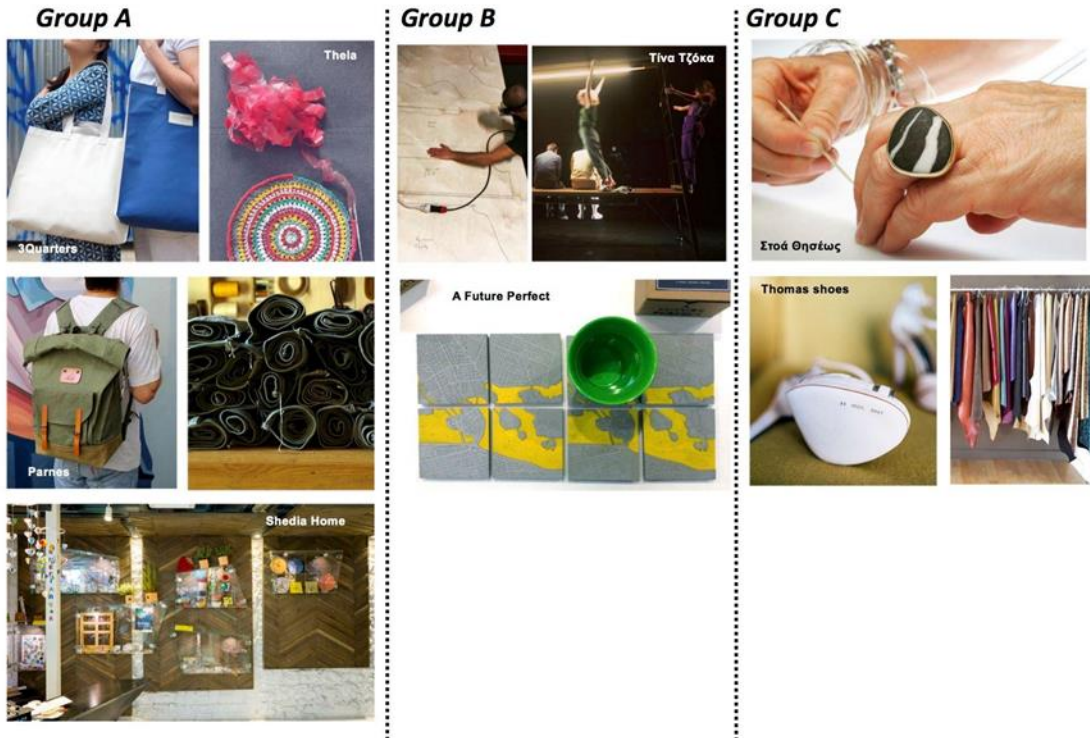
Question 1:

After your participation in the routes of creativity and circularity in the historic center of Athens, but also based on your general experience, please mention what you consider the three most important problems in your opinion for the historic center of Athens.

Question 2:

Please evaluate / describe the current situation in the workshops that you visited as regards the implementation of circular procedures. Identify problems and prospects by each group.

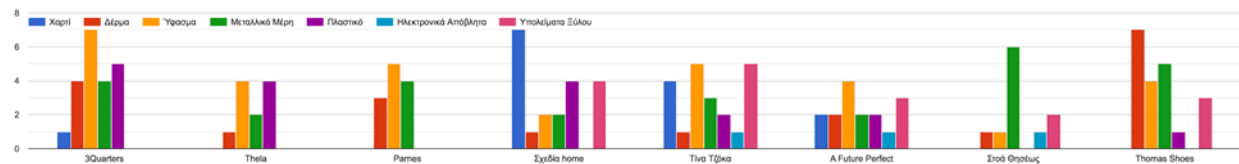
- A: 3Quarters, Thela, Parnes, Shedia Art,
- B: Tina Tzoka, A Future Perfect,
- C: Thiseos Arcade, Thomas Shoes.



Question 3:

Please select one or more of the following materials based on their ability to be reused / recycled by each company you visited.

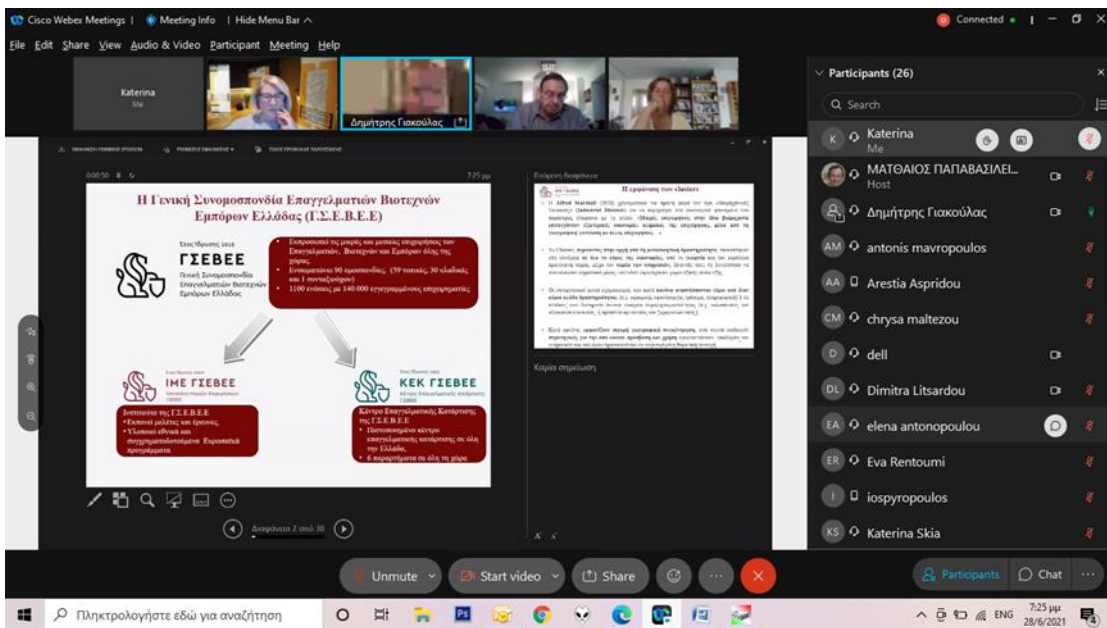
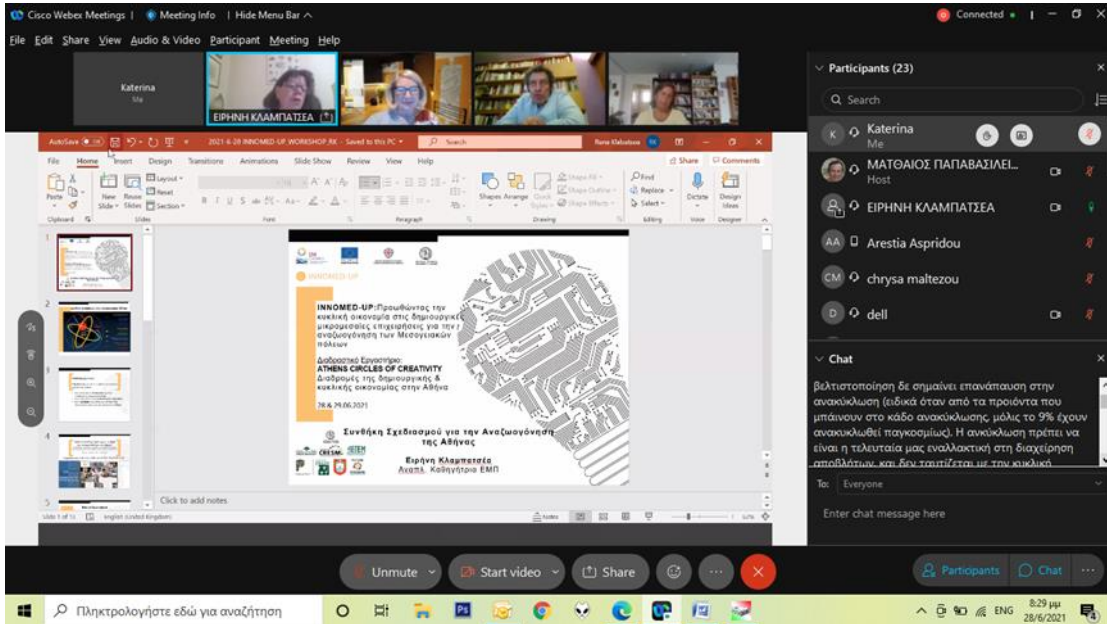
Παρακαλούμε επιλέξτε ένα ή περισσότερα από τα παρακάτω υλικά με βάση τη δυνατότητα επανάχρησης / ανωκύκλωσης τους από την κάθε επιχείρηση που επισκεφθήκατε.



Question 4:

What networking / collaborations would you see between the companies you visited and / or others you may know, with the aim of reusing / recycling materials? Please develop your proposals for the creation of pairs and / or triplets of cooperating companies on the basis of the circular economy.

3.3 PHOTOS



Cisco Webex Meetings | Meeting Info | Hide Menu Bar

File Edit Share View Audio & Video Participant Meeting Help

Katerina (Host)

SOFIA AVGERINOU-K...

Καινοτόμα προϊόντα για τους κύκλους της δημιουργικότητας στο κέντρο της Αθήνας

- WP4 > 0 4.3 > A 4.3.1/3 Smart Bicycle & Smart Garbage Bin ✓

10

Participants (26)

- Katerina (Me)
- ΜΑΤΘΑΙΟΣ ΠΑΠΑΒΑΣΙΛΕ...
- SOFIA AVGERINOU-KOLO...
- Arestia Aspidou
- chrysa maltezo
- despina trivoli
- Dimitra Litsardou
- elena antonopoulou
- Eva Rentoumi
- iospyropoulos
- Katerina Skia
- Konstantinos Gounaridis

Unmute Start video Share

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6:46 μμ 28/6/2021

Cisco Webex Meetings | Meeting Info | Hide Menu Bar

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Katerina (Host)

Melina Daskalakis

Participants (27)

- Katerina (Me)
- ΜΑΤΘΑΙΟΣ ΠΑΠΑΒΑΣΙΛΕ...
- SOFIA AVGERINOU-KOLO...
- Arestia Aspidou
- chrysa maltezo
- despina trivoli
- Dimitra Litsardou
- elena antonopoulou
- Eva Rentoumi
- iospyropoulos
- Katerina Skia
- Konstantinos Gounaridis

Unmute Start video Share

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4 OPEN WORKSHOP FOR CIVIL SOCIETY ENGAGEMENT IN THE INNOMED-UP MODEL IN EUMC > PALERMO, ITALY

4.1 INTRODUCTION

In the framework of the Innomed-up project, the Socio-Urban Circularity Workshop organized in Palermo on 15th June 2021 aimed at enhance the awareness about Circular Economy both among local creative craft SMEs (the main target group of the project) and within the civil society in Palermo.

The research conducted under WP3 and WP4 showed that there is a lack of awareness and knowledge about Circular Economy, which is often confused with environmental protection or sustainability. Palermo and Sicily, moreover, suffer from structural inefficiency and incompetence in waste management.

The Socio-Urban Circularity Workshop took place in front of NOZ, the multifunctional space managed by CRESM, where the Innomed-up Infopoint for consultation of SMEs is located.

4.2 NEEDS ASSESSMENT AND TARGET GROUP

The creative craft sector represents a crucial segment in the CCI sector in Palermo and in Sicily. As shown in the report produced in the framework of Activity 4.2, it includes several SMEs, mostly located in the historic city-centers and often organized in the form of non-profit organizations with networks within civil society more than within the local entrepreneurial fabric.

Creative craft SMEs often have a quite high environmental awareness resulting in the choice of natural materials. Nevertheless there is a very low awareness about the concepts of Circular Economy and about the life-cycle management of production systems. Upcycling examples are just isolated experimentations.

Local regulation about waste management (cf. O3.2, 4.1 and 4.2) does not promote upcycling and re-use of secondary raw materials, both for individuals and businesses. Very high costs for regular waste management, moreover, nearly encourage illegal disposal, in particular for very small businesses. In this sense, creative craft SMEs are interested in Circular Economy practices also for economic reasons.

Green and circular transition, nevertheless, generates the fear of higher costs related to waste disposal and/or equipment required (such as air-treatment equipment).

Within the local civil society, environmental awareness often is not associated with efficient actions, in particular about recycling, re-using and upcycling.

4.3 WORKSHOP DESIGN

CRESM selected APS Maghweb for the design and management of the Socio-Urban Circularity Workshop. APS Maghweb cooperated with the project staff in order to harmonize this activity within the project framework and to meet the project requirements, as well as to respond to the local needs.

The Socio-Urban Circularity Workshop aimed at raising awareness not only about environmental sustainability, but also about the opportunities that come from Circular Economy for creative craft SMEs, as well as for the local civil society.

Drawing on the research previously conducted under WP3 and WP4, the project staff identified bio-architecture as a topic of interest for the target group. The offer of APS Maghweb included the collaborative production of a bio-architecture structure from trimmed reeds (*arundo donax*).

The *arundo donax* is of shrub plant very common throughout the Mediterranean area and also in many other areas of the world. In Sicily in particular it has always been used in the field of rural architecture, but in recent decades it has been progressively abandoned in favor of synthetic materials. In present days it is only used to mark borders between agricultural lands, when it is not considered as a weed to be eradicated.

Because of its characteristics, the *arundo donax* is a suitable material for bio-architecture and, as it is often an agricultural waste, for Circular Economy practices.

The *arundo donax*, in particular:

- Is very common all over the Mediterranean countries.
- Grows spontaneously and rapidly.
- Indicates the presence of water in the land.
- Has important phyto-purifying properties.
- Is a very efficient biofuel.
- Contains cellulose for making paper.
- Is a flexible and robust material.

The chosen structure was inspired by the typical buildings of Sub-Saharan Africa and Middle East (example: the floating houses of the Tigris - Euphrates Delta built by *arundo donax*).

In order to maximize the impact of the project, the project staff, together with the external consultants designated for managing and delivering the Workshop and the Training activity (O 6.1), decided to correlate, in a synergic perspective, these activities. A presentation event, thus, was organized on 15th June 2021, for disseminating the project objectives, activities and results, presenting the Innomed-up Infopoint for Consultation of SMEs (A2.6.2), as well as to introduce the Workshop and the Training activity, which started two days after.

The workshop started in the morning and the presentation event took place in the afternoon.

4.4 IMPLEMENTATION

The Socio-Urban Circularity Workshop has been realized on the outside area took place in front of Nuove Officine Zisa (NOZ) with 20 participants and it was coordinated by two political refugees. The Workshop lasted a total of 6 hours and aimed at involving local community in a CE practice, collecting

trimmed reeds (arundo donax) from the surroundings in order to build a temporary bio-architecture construction.

The Workshop aimed at:

- Raising awareness about Circular Economy principles and practices, challenges and opportunities among the local creative craft SMEs, as well as within the civil society.
- Foster the intercultural exchange, in particular about craft practices and local traditions about craft materials.
- Reach the target group of project activities.
- Disseminate the project results.

Public workers pruned the arundo donax in the area and, in agreement with the public authority, left the material in place instead of taking it to the landfill as usual. Almost 100 reeds were therefore used for the participatory construction of a temporary bio-architecture construction.

APS Maghweb managed the media coverage (online and offline) of the Workshop, as well as of the presentation event, before, during and after the realization.

The Workshop had a 6 hours duration and, in compliance with the Covid-19 regulations, the participants were limited to 20. Around 200 people attended the contextual presentation event.

4.5 OBJECTIVES ACHIEVED

Understanding the general principles of Circular Economy related to the different contexts of reference.
Understanding the new business models referring to artisans, SMEs and public service companies (such as the waste collection company of the municipality of Palermo).
To know and understand the principles and opportunities of Innovation and Recycling by reusing agricultural pruning waste.
Understanding the economic opportunities of intercultural exchange and the enhancement of the skills of immigrants.
Understanding the processes of the Circular Economy through concrete examples of Eco-design, Bio-architecture.
To work in groups to exchange ideas and techniques for the construction of structures according to the principles of Eco-design and Bio-architecture.
To know some innovative examples of design in the Circular Economy starting from the rediscovery of traditional techniques and skills.

4.6 LIST OF PARTICIPANTS

Name	Role	SME	Gender	Age group
Daniela Graziano	Member	Arance Amare	F	45-54
Anna Barba	Crafter	Arance Amare	F	55-64
Manfredi Parasporo	IT expert	Rinnova Ambiente	M	35-44
Marco Vella	President	ECCO APS	M	35-44
Marco Spinelli	Natural scientist	Rinnova Ambiente	M	35-44
Fabrizio Sciarrino	Crafter	Design Zingaro	M	45-54
Ennio Cerami	Crafter	Freelance	M	45-54
Davide Sciarrino	Electrical engineering technician	Design Zingaro	M	45-64
Lucia Tagliareni	Designer	Freelance	F	25-34
Alba Baccarella	Crafter	Design Zingaro	F	45-54
Vincenzo Sandro Cusenza	Designer	Real Digital Things	M	25-34
Aurelio Ciaperoni	Crafter	Fuori Catalogo	M	35-44
Zeno Franchini	Crafter and designer	Marginal	M	35-44
Guglielmo Sano	Cultural mediator and Journalist	Freelance	M	25-34
Lucia Pepe	Cultural mediator	Forme NGO	F	35-44
Dora Deak	President and crafter	Forme NGO	F	35-44
Agostino Curto	Architect	Al-Fana NGO	M	55-64
Valeria Ferrante	Member	CISS NGO	F	25-34
Saida Ilhami	Biologist	Al-Fana NGO	F	55-64
Pietro Di Pietro	Member	CISS NGO	M	35-44

4.8 PHOTOS AND VIDEOS

A short video about the Open Workshop is available here: <https://www.youtube.com/watch?v=O-inAKhigGI>







5 ACTIVITY 5.4.5: REPORT ON SOCIAL AND URBAN INTEGRATION ISSUES

5.1 INTRODUCTION

According to the INNOMED-UP Full Application Form, National Technical University of Athens - NTUA (LB) & Birzeit University - BZU (PP5) share the responsibility of the Activity 5.4.5 "Report on social and urban integration issues" under the Output 5.4 "Socio-Urban Circularity Workshops".

Within this Activity, a report should be drafted on social and urban integration issues, as regards the role of Cultural Creative Industries in the revitalization of Med Urban Centers and promotion of Circular Economy in local scale, as well as local communities and marginalized groups involvement.

This report was drafted by the LB & PP5_BZU with input from all the INNOMED-UP PPs participating in the Activity (NTUA, PP3_CRESEM, PP5_BZU & PP6_FPEC).

The below Table was conducted to act as a guide for all the PPs, in order to select all the necessary information.

A/A	Legal framework for each participating city (Palermo, Athens, Hebron/ Nablus, Amman)	Key spatial strategic guidelines	Spatial impact regarding the role of CCI in the revitalization of Med Urban Centers and promotion of CE in local scale
1	Urban Plans for the Med Urban Centers		
2	Spatial Plans for the Med Regions		
3	Regional Operational Programmes (if any)		
4	Sectoral development programmes with spatial dimensions (if any)		
5	Funding programmes with spatial dimensions (if any)		
6	Announcements for renovations and interventions of the Med Urban Centers - outside the urban planning legal framework (if any)		

A/A	Legal framework for each participating city (Palermo, Athens, Hebron/ Nablus, Amman)	Key spatial strategic guidelines	Spatial impact regarding the role of CCIs in the revitalization of Med Urban Centers and promotion of CE in local scale
7	Other policies that are expected to affect the Med Urban Centers (e.g. policy for COVID-19 and social distancing etc.) (if any)		

5.2 PALERMO, ITALY

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCIs in the revitalization of Med Urban Centers and promotion of CE in local scale
1	Urban Plans for the Med Urban Centers	<p>Piano Regolatore Generale della città di Palermo (Masterplan for the City of Palermo).</p> <p>The Masterplan is currently under discussion in the City Council. Nowadays only a short summary has been shared with citizens and/or stakeholders.</p>	<p>Despite the interest in participation processes and dynamics shown by the municipality in the last decade, poor attention and time have been paid to the involvement of citizens and/or stakeholders.</p> <p>Thanks to their experience in the revitalization of the city-centre through creative and sustainable small businesses based on CE, CCIs have often claimed a public debate on these topics.</p>
		<p><u>Piano Industriale 2022-2024 della RAP</u></p> <p>Whilst the Sicilian Regional Government is responsible for waste treatment (cf. §3), the Municipality takes care of the waste collection through the municipally owned corporation RAP s.p.a..</p> <p>RAP s.p.a. releases a three years operational plan (Piano Industriale).</p>	<p>The Operational Plan 2022-2024 shows how waste collection will be managed both for recyclable and non-recyclable materials.</p> <p>The Plan does not consider any collaboration with CCIs for local-based recycling in a CE perspective.</p>
		<p>Piano Comunale della Raccolta Differenziata</p> <p>The Municipality defines guidelines and general goals in the domain of waste collection for RAP s.p.a. through a Municipal Plan for Differentiated Waste Collection.</p>	<p>As the responsibility of waste treatment is under the Sicilian Regional Government, the Municipality can only manage the waste collection. Thus, the Plan does not allow CCIs to contribute to the recycling/upcycling process of waste materials.</p>
2	Spatial Plans for the Med Regions	<p>Zone franche urbane (Urban Enterprise Zones)</p>	<p>Nowadays CCIs and CE businesses do not benefit from specific advantages in urban areas.</p>

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCIs in the revitalization of Med Urban Centers and promotion of CE in local scale
		<p>Areas where companies are free of certain local and/or national taxes (in Palermo the port and Brancaccio areas).</p>	
3	Regional Operational Programmes (if any)	<p>PO FESR 2014-2020 PO FESR 2021-2027 (ERDF OP 2014-2020, ERDF OP 2021-2027)</p> <p>Both the 2014-2020 and 2021-2027 Operational Programmes in the framework of the European Regional Development Fund, focus on ecological transition and CE. They define funding instruments and policies for local administration and SMEs.</p> <hr/> <p>Piano Regionale di Gestione dei Rifiuti Urbani (PRGRU) (Regional Plan for Urban Waste Management)</p> <p>In the framework of the ERDF OP 2021-2027 preparation, the Sicilian Regional Government developed a Regional Plan for Urban Waste Management (4/3/2021).</p>	<p>SMEs and CCIs have benefited in 2014-2020 and will benefit in 2021-2027 from funding programs aimed at enhancing the social and spatial impact of creativity in urban city-centres, as well as promoting environmentally responsible entrepreneurship and upcycling processes.</p> <p>These programs have been contributing in the revitalization of the city-centre of Palermo through the establishment of creative SMEs.</p> <hr/> <p>In terms of policies, the PRGRU, envisages an upgrade of waste management and recycling in a circular economy and upcycling perspective.</p> <p>Nevertheless, preliminary guidelines currently focus mostly on the production of biogases from organic (and mainly forestry and agriculture) waste.</p> <p>Despite the challenge of waste management in Sicily is huge and CCIs can play a key role in developing upcycling processes and policies, as well as the revitalization of urban centres, it seems that the PRGRU is not currently focusing on small-scale local-based solutions.</p>

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCIs in the revitalization of Med Urban Centers and promotion of CE in local scale
4	Sectoral development programmes with spatial dimensions (if any)	<p><u>Piano Industriale 2022-2024 della RAP</u></p> <p>Whilst the Sicilian Regional Government is responsible for waste treatment (cf. §3), the Municipality takes care of the waste collection through the municipally owned corporation RAP s.p.a..</p> <p>RAP s.p.a. releases a three years operational plan (Piano Industriale).</p>	<p>The Operational Plan 2022-2024 shows how waste collection will be managed both for recyclable and non-recyclable materials.</p> <p>The Plan does not consider any collaboration with CCIs for local-based recycling in a CE perspective.</p>
5	Funding programmes with spatial dimensions (if any)	<p>Fondazione con il Sud.</p> <p>It is a national foundation which finances grass-root NGO's and enterprises for the social infrastructuring of Southern Italy Regions.</p>	<p>CCIs, in network with NGO's, may receive funding regarding the development of CE initiatives with impacts on socio-economic inclusion of disadvantaged people and environment.</p> <p>The foundation, moreover, regularly supports projects focused on environmental issues, and in particular on creative waste management solutions, through a special biennial programme called "Bando Ambiente" (CRESM is partner in the project "Start-up Belice", funded in 2019).</p>
		<p>Agenzia per la Coesione Territoriale.</p> <p>It is a public national Agency which finances projects, in the Italian less developed Regions, promoted by local administrations, universities, enterprises and NGOs in order to promote economic development and cohesion. It furthermore supports local administration to improve their administrative capacity.</p>	<p>There is the possibility for CCIs to apply to different CfPs to promote CE initiatives.</p>

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCI in the revitalization of Med Urban Centers and promotion of CE in local scale
		<p>Bonus investimenti Sud</p> <p>Tax credit for Southern Italy less developed Regions (45% of tax credit for investments in productive plants).</p> <p>Piano Transizione 4.0</p> <p>50% tax credit for investments in material and immaterial 4.0 goods.</p> <p>Both measures can be combined to reach a 95% tax credit.</p>	<p>CCIs investing in 4.0 material and immaterial goods can benefit up to a 95% tax credit.</p>
		<p>UIA - Urban Innovative Actions (https://uia-initiative.eu/)</p> <p>UIA is an initiative of the European Union promoting pilot projects in the field of sustainable urban development at local (city or metropolitan area) level.</p> <p>Among different topics it finances initiatives on Circular economy, Digital transition and integration of migrants.</p>	<p>Actually the EU financing programme has no open CfPs. Palermo CCIs are aware about the possibility to apply in network for the next 2021-2027 UIA ERDF programme.</p>
6	Announcements for renovations and interventions of the Med Urban Centers - outside the urban	<p>There are no specific interventions announced that will involve the CCIs.</p> <p>Actually the administration is working on the coverage of part of Ballarò market.</p> <p>Palermo municipality, the historical centre District and the National Institute of Council Houses (IACP) are</p>	None

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCI in the revitalization of Med Urban Centers and promotion of CE in local scale
	planning legal framework (if any)	revitalizing the historical market of Ballarò providing the construction of a covered market; furthermore, the involvement of informal sellers for surfacing undeclared work. Mercato del Riuso dell'Albergheria (Second hand and re-use market)	In the city-centre of Palermo, next to the market "Ballarò" there is a traditional, informal second-hand market called "Mercato del Riuso dell'Albergheria". It has been regularized in 2020, thanks to the cooperation between the municipality and a local organization that plays the role of mediator with migrants and marginalised groups that traditionally sell second-hand products.
7	Other policies that are expected to affect the Med Urban Centers (eg policy for COVID-19 and social distancing etc) (if any)	At the moment there are no specific policies about a sustainable management of personal protection equipment to contrast the diffusion of Covid-19, e.g. disposable masks and gloves.	None

5.3 ATHENS, GREECE

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCIs in the revitalization of Med Urban Centers and promotion of CE in local scale
1a	Regulatory Plan of Athens (RPA) of 1983 (law 1515/1985)	<ul style="list-style-type: none"> the “redistribution of activities”, the “poly-centric spatial organisation”, the decentralisation of public administration, the restriction of central activities and the decongestion of central districts. the enhancement of the historic character of the City Centre, the discouragement of wholesale and manufacturing activities the encouragement of residential activities, the prevention of the through-passage of cars, a unified pedestrian network and the development of a tram network a shift towards the quality of life and urban regeneration, with a reference to the emerging significance of the protection of the environment and cultural heritage. 	<ul style="list-style-type: none"> the “creation of a polycentric spatial organisation” with the development of new urban centres outside the City Centre; the “redistribution of public administration” with the partial removal of ministries from the City Centre (though not towards the west); the “concentration of wholesale activities outside the Athens Basin (though not always in suitably designated zones); the “transfer of the dispersed industrial units from residential areas”
1b	New Regulatory Plan of Athens/Attica - RPA/2014 (law 4277/2014)	<ul style="list-style-type: none"> balanced economic development and strengthening of the international role of Athens / Attica, improvement of competitiveness, increase of production and employment in all areas of economic activity, sustainable spatial development, resource conservation, effective protection of the environment and cultural heritage and adaptation to climate change, Improving the quality of life of residents, balancing the distribution of resources and benefits from development. 	In the final version of the new Regulatory Plan a set of parameters have been added that were contradicting towards the centrality of the City Centre, including the “Development Axes” (along the main road network), more flexible provisions for the development of malls outside the City Centre and the development pole in the former airport of Hellinikon.

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCIs in the revitalization of Med Urban Centers and promotion of CE in local scale
2	<p>General Urban Plan (GUP) of Athens Municipality of 1988 (Ministerial Decision 255/45/1988, Government Gazette Issue 80D/1988, with amendments)</p>	<p>Promotes:</p> <ul style="list-style-type: none"> the “decongestion” of central areas, as well as the stimulation of local centres within the boundaries of Athens Municipality the control and gradual restraint of new “central” activities along the main road axes the enhancement of the historic character of the City Centre, the control of land uses the reduction of building coefficients the stimulation of residential activities, along with restrictions on the allocation of new offices and retail activities 	<p>The GUP 1988 has attempted to restraint manufacturing, processing and wholesale business activities from central areas.</p>
3	<p>Presidential Decrees regarding land use zoning for neighbourhoods of the City Centre:</p> <ul style="list-style-type: none"> Plaka (Government Gazette Issue (GGI) 617D/1980, GGI 1329D/1993) Thisseion (GGI 60/1989) Exarcheia (GGI 1075D/1993), Mets (GGI 1150D/1993), the “Commercial Triangle” (GGI 704D/1994), Psyrry / Omonoia 	<p>These Presidential Decrees were specifying the activities allowed or prohibited, those protected and those that were discouraged. Some of the provisions implemented according to the decrees was:</p> <ul style="list-style-type: none"> the protection of residential activities, culture and public administration along Vassilissis Sofias Avenue, the protection and promotion of residential activities and the restriction of recreation activities in Mets and Plaka the development of a certain type of recreation activities in Metaxourgeio 	<p>The decrees for the “Commercial Triangle” and Psyrry seem to have contributed to the weakening or even the removal of wholesale and manufacturing activities and subsequently a wide range of accompanying activities, including residential. Moreover, the decree for Piraeus Street was restricting productive activities, by designating a large part of the axis as an “industrial park under regeneration”; thus promoting activities of the tertiary sector. However, the weakening of manufacturing activities may not be attributed only to the implementation of the Presidential Decrees. A series of laws and state policies, the de-industrialisation trends and the wider restructuring of the productive sector in the 1980s, the subsequent EEC, EU and Eurozone accession, as well as economic interests on the local level related to the real estate market and land speculation, should be taken into account. In particular, the Invest in Greece Law (2019) introduces a friendlier investment environment in order to enhance</p>

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCI in the revitalization of Med Urban Centers and promotion of CE in local scale
	(GGI 233D/1998) <ul style="list-style-type: none"> • Metaxourgeio (GGI 616D/1998, with amendments) • the (former) industrial axis of Piraeus Street, which contained the area of Gazochori (GGI 1063D/2004, with amendments) 		entrepreneurship and growth bypassing law restrictions and challenge the viability of SMEs.
4	Integrated Urban Development Plan (SOAP), 2015	Aims to (with a time horizon to 2021): <ul style="list-style-type: none"> • revitalize the city centre, • strengthen entrepreneurship (configuration of special zones of intense intervention with a catalyst role) • boost the property market • support cultural activities • enhancing competitiveness, • promotion and strengthening of Athens as an international tourist destination • spatial and social cohesion • adoption of innovative and modern forms of information management - "smart city" 	
5	Decision of the Municipality of Athens (2020) to start the preparation of the Special Urban Plan for the renovation of public space in the center of	<ul style="list-style-type: none"> • Athens "Great Walk" constitutes a 6.8 km (4.2 mile) pedestrian and cycling path which would include all major attractions of the city, including the Acropolis, the Ancient Agora and the districts of Plaka and Monastiraki. • the unification of the major archaeological sites of Athens (archaeological park) 	Due to significant local interventions, cars will not circulate in the area of the commercial triangle. Only emergency vehicles, energy supplies, utility networks, parking lots, residents and hotels, garbage trucks and guard taxis will be accessible by road. However, there are concerns that instead of serving the needs of the residents and workers of the city, Athens

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCI in the revitalization of Med Urban Centers and promotion of CE in local scale
	Athens with the axis "The Great Walk"	<ul style="list-style-type: none"> to enhance sustainable mobility by expanding existing sidewalks and green space 	<p>"Great Walk" pushes residents and productive activities outside the urban core, which is transformed exclusively into a field of tourist exploitation.</p> <p>That said, the interventions that have already been done, have been implemented without the necessary studies such as the Special Urban Plan.</p>
6	Athens Operational Programme - Integrated Territorial Investment for Sustainable Urban Development: 'Athens 2020: sustainable development for tourism culture and innovation'	<p>This Operational Programme aims to:</p> <ul style="list-style-type: none"> help reverse the decline of the region's productive base and gradually restructure it by enhancing high added value and low environmental impact sectors, aiming at creating jobs, enhancing extroversion, innovation and the smart use of Information Communication Technologies (ICT) attract investments through the protection and the sustainable management of the environment and promoting climate change adaptation ensure social cohesion through interventions. The goal is to create a framework of protection and support for vulnerable groups and to mitigate factors exacerbated by the crisis that lead to poverty and social exclusion parts of the region's population. Interventions focus on the integration / reintegration in the labour market of targeted groups with the biggest problems, improving access to welfare and health services and promoting equal opportunities also through the creation of educational and health infrastructure. 	<p>Funding priorities:</p> <ul style="list-style-type: none"> "Reinforcement of mechanisms and investments by SMEs of the Attica region in research and innovation": enhance the links between enterprises and research institutions and increase business investment in R&D, in sectors identified through the region's smart specialisation strategy. "Dissemination and development of innovative products and services of SMEs through the use of ICT": promote the use of ICT by the SMEs and enhance the use of ICT in e-government, e-learning, e-inclusion, e-culture and e-health. "Reinforcement of the competitiveness and extroversion of SMEs — Improving the attractiveness of the Attica region for investments and promoting innovative entrepreneurship": support SMEs and especially new SMEs by supporting clusters and incubators, providing capital and financing for restructuring and modernisation investment plans, support SME's extroversion.

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCI in the revitalization of Med Urban Centers and promotion of CE in local scale
7	Recent investment plans: Transformation of old PYRKAL factory in Ymittos to host nine ministries	The properties that will be relocated by the State will be used for residential, commercial and cultural purposes, contributing to the revitalisation of Athens centre.	
	"Adopt your city" Program by the municipality of Athens	<p>The "Adopt your city" program is the platform that brings together the City of Athens and the private sector. The program includes city interventions of all scales throughout Athens.</p> <p>The project aims at bringing significant results in areas such as cleaning, lighting, greenery, sustainable development, homeless issues, culture, social welfare, sports, education, new technologies. Partnerships between the City of Athens and the private sector highlighted as extremely valuable.</p>	<p>The thematic area 'City interventions' includes: urban equipment upgrade, new infrastructure building or maintenance and restoration of existing ones, cleaning, lighting, plantation, maintenance, and sustainable development of public spaces around the city.</p> <p>The thematic area 'Cleaning & Recycling' includes activities and initiatives, aiming at raising awareness regarding waste management and increasing recycling in the area. The program 'Zero Waste Future' is implemented in partnership with the City of Athens, and the NGO Ecological Recycling Society and the support of The Coca-Cola Foundation.</p>
	"Faces" Program by the municipality of Athens	<p>This real estate renovation program:</p> <ul style="list-style-type: none"> • provides subsidized work on the facades of private buildings • concerns exclusively private properties but also preservable - neoclassical. 	

5.4 HEBRON, PALESTINIAN AUTHORITY

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCIs in the revitalization of Med Urban Centers and promotion of CE in local scale
1	Urban Plans for the Med Urban Centers	Partially Available due to the political situation in the city.	Very Weak due to the division of the city; including the Historic Centre; in two parts (H1-Palestinian & H2-Isrealian) by the Israelis. So the CCI prefer to establish their own workshops outside and in adjacent to the historic Centre.
2	Spatial Plans for the Med Regions	Not Available	Not Available
3	Regional Operational Programmes (if any)	Not Available	Not Available
4	Sectoral development programmes with spatial dimensions (if any)	Yes, under the HRC (Hebron rehabilitation Committee), the Municipality and the Chamber of Commerce.	Very Weak, due to the absence of programs with spatial dimension in the country and region
5	Funding programmes with spatial dimensions (if any)	Available, Partial Development through the EU funding programs.	Marginally, Because mostly aimed and directed to training and not cross border, and lack of clear policies.
6	Announcements for renovations and interventions of the Med Urban Centers - outside the urban planning legal framework (if any)	Yes, but with limited intervention due to be built out of the Hebron borders.	Forcing the CCI to move and settlement outside the Historic Centre.
7	Other policies that are expected to affect the Med Urban Centers (eg policy for COVID-19 and social distancing etc) (if any)	Overlapping and contradiction between various institutions involved.	Lack of clear implementation of different policies and programs.

5.5 NABLUS, PALESTINIAN AUTHORITY

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCIs in the revitalization of Med Urban Centers and promotion of CE in local scale
1	Urban Plans for the Med Urban Centers	Available since 1995 when the Municipality created a Conservation Unit for the Historic Centre and started its own program for the conservation and preservation in this area.	Many CCI re-opened and others new where established. Also the Municipality established a center for Community Resource Development for training people who live in the Historic Centre.
2	Spatial Plans for the Med Regions	Partially available due to the few Twins cities agreements with cities from Italy and France.	Very weak due to the destruction of the historic center in 2002 during the invasion of the Israeli Army in the Second Intifada.
3	Regional Operational Programmes (if any)	Not Available	Not Available
4	Sectoral development programmes with spatial dimensions (if any)	Yes, by the Municipality mainly, the Palestinian Welfare Association, the Chamber of Commerce, Palestinian Red crescent, and the Environment Quality Authority.	Weakly, due to the fact that the Municipality acted alone, and the absence of programs with spatial dimension in the country and region
5	Funding programmes with spatial dimensions (if any)	Available, Partial Development through the Municipality and by few EU funding programs.	Mediocre, because parts used for the Restoration of Building to host traditional Craftsmen workshops and Exhibition such as the Khan Al-Wakala (Caravansary) and others are aimed and directed to training but not for cross border. As well as lack of clear policies.
6	Announcements for renovations and interventions of the Med Urban Centers - outside the urban planning legal framework (if any)	Yes, but with limited intervention out of the Nablus borders.	Forcing the CCI to move and settled outside the Historic Centre.
7	Other policies that are expected to affect the Med Urban Centers (eg policy for COVID-19 and social distancing etc) (if any)	Overlapping and contradiction between various institutions involved.	Lack of clear implementation of different policies and programs.

5.6 AMMAN, JORDAN

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCIs in the revitalization of Med Urban Centers and promotion of CE in local scale
1	Urban Plans for the Med Urban Centers	<p>National Strategy and Action Plan for Sustainable Consumption and Production in Jordan 2016-2025 (National)</p> <p>Develop and implement agreed on national SCP Operational Objectives in the country in order to promote and strengthen a circular and green economy and support the regional and national policy frameworks for sustainable development</p> <p>Law no. 16 of 2020 Framework Law for Waste Management (National)</p> <p>This law is the very first legislation specifically for Waste Management covering all areas such as production, transportation, treatment; with Articles targeting environmental protections</p>	<p>One of the strategic objectives of the SCP is to engage key national stakeholders in the growth, practice, and evaluation of Models of Sustainable Consumption and Production and circular economy initiatives. This will support the CCI indirectly</p> <p>Improving the waste management in the Kingdom significantly based on the modern technology available. This will support the CCI indirectly</p>
2	Spatial Plans for the Med Regions	<p>Current Solid Waste Management (SMW) Situation of the Northern Region</p> <p>Aiming at enhancing SWM services in the Governorates of Irbid and Mafrq as well as in the broader northern area of Jordan by creating more effective, environmentally and socially responsible waste management systems for collection, transport and disposal.</p>	<p>Evaluating the current situation of the Municipal Solid Waste Management (MSWM) program in the Northern Region of Jordan, with a view to identifying the deficiencies and establishing the basis on which the RMSWMP will be built in the following phases of the project.</p>
3	Regional Operational Programmes (if any)	<p>Regional Municipal Solid Waste Management Plan (RMSWMP) for the Central Region of Jordan (Regional)</p>	<p>Assisting the Jordanian Government in creating a strategic plan for the Central Region on solid waste management.</p>

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCI in the revitalization of Med Urban Centers and promotion of CE in local scale
		<p>The RMSWMP is focusing in solid and semi-solid materials produced by households, as well as other related waste of a nature and composition resulting from any operation (commerce, offices, public institutions, etc.) not included in the classification of harmful and hazardous waste collected by or on behalf of municipal authorities or the private sector (commercial or private non-profit organizations)</p>	
4	Sectoral development programmes with spatial dimensions (if any)	<p>Environmental Protection Law no. 6 of 2017 (National) Setting the principles (basics) of the handling of materials harmful and hazardous to the Environment, and the collection, classification storage, transportation, destruction and disposal thereof in accordance with regulations issued for that purpose.</p> <p>Law No. 13 of 2012 concerning Renewable Energy and Energy Efficiency Law (National) Contributing to protecting the environment and promoting sustainable growth.</p>	<p>Consider alternative approaches to set goals, including, for example, goals for specific products to ensure that they are adequately prioritized.</p> <ul style="list-style-type: none"> • Opportunity to encourage renewal energy producers and investors to supply sustainable and green energy into the national grid. • Achieving a secure sustainable supply of energy and optimal utilization of natural resources.
5	Funding programmes with spatial dimensions (if any)	<p>Regulation Number (98) of 2015 Public Private Partnership Regulation (National) Private Partnerships are recognized as a catalyst for green growth for achieving the goals of Jordan 2025: A National Vision and Strategy.</p>	<p>Encouraging sustainable projects and providing incentives to entities shirting to green economy. Ministry of environment has announced its annual funding program for this year to be focusing n circular economy initiatives.</p>

A/A	Legal framework for each participating city	Key spatial strategic guidelines	Spatial impact regarding the role of CCI in the revitalization of Med Urban Centers and promotion of CE in local scale
		Ministry Of Environment Funding programs Donors programs such as <ul style="list-style-type: none"> - UNDP program “ enhancing the role of women in waste management in Jordan” - ACF program - GIZ Program ; “ Waste to positive energy” 	These are funded programs to promote waste management practices on one hand, and to support women role through the circular economy initiatives that generate income on the other hand. Moreover, these programs are promoting the role of waste pickers and how to protect their safety and social dignity.
6	Announcements for renovations and interventions of the Med Urban Centers - outside the urban planning legal framework (if any)	The Amman Climate Plan 2050 (Local) <ul style="list-style-type: none"> • Waste sorting for composting and recycling • Separating and diverting waste, and implement recycling and composting programs • Improve and establish additional waste infrastructure. 	Part of the main waste management system, and therefore incentives to develop in circularity.
7	Other policies that are expected to affect the Med Urban Centers (eg policy for COVID-19 and social distancing etc) (if any)	For the time being, there are no policies as the lockdowns and curfews ended and the dense laws came to end. Life is going back to normal in Jordan.	On 2020 and early 2021, the CCIs were the most business that were affected by the lockdowns and consequences of Covid. Ministry of industry trade to support these SMEs through several small programs and loaning systems.