



CITY MINDED

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SUMMARY

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PROJECT OBJECTIVES

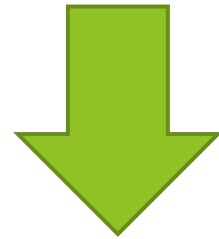
Why are we doing this?

- ▶ **Sustainability of cities** is currently a key challenge in Europe
- ▶ Around 75% of Europeans live in cities
- ▶ **Urban areas are the most important test-bed for energy transition and decarbonisation models**
- ▶ Decarbonisation measures concern a wide variety of topics:
 - ▶ policies and communication strategies for raising **citizens awareness** and behavioural changes
 - ▶ **solutions** for energy savings in households/buildings
 - ▶ renewable energy solutions (RES) at the building scale (PV panels, wind turbines, geothermal heat pumps, biofuels)
 - ▶ RES at the **neighbourhood/district scale** (heat grids, electric smart grids)
 - ▶ **sustainable mobility systems** (bike sharing, integrated public transport, electric vehicles)

PROJECT OBJECTIVES

Why are we doing this?

- ▶ Urban waste management
- ▶ Participative urban design practices and legal-economic advice (e.g. for collective ownerships of renewables and private-public partnerships)



The problem?

Requirement of an **systemic interdisciplinary approach** that is currently not **widespread in HE**, but looks necessary to let new professional profiles emerge, able to **coordinate different source of information, stakeholders and practitioners** (e.g. urban designers, energy managers, etc.).

PROJECT OBJECTIVES

To develop and test an:

- ▶ innovative
- ▶ creative
- ▶ European-scaled learning environment

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City decarbonisation itinerant workshop

Where students, specialists and stakeholders can come together to address common onsite challenges and define collaborative urban decarbonisation roadmaps through a 'learning-by-doing' method.

PROJECT OBJECTIVES

Specific project objectives are:

- ▶ **Bringing together and reinforcing the linkages** among higher education, academic knowledge, institutions' experience, and communities' needs and expectations
- ▶ **Transferring knowledge about the complex issue of city decarbonisation and how to deal with it**, by consolidating and testing innovative training strategies based on an integrated approach, and by cocreating knowledge on technologies, legal issues, financial management, social engagement, and monitoring tools in the field of urban sustainability, thus enhancing the students' capacities to operate in a real-world setting
- ▶ **Designing participatory city decarbonisation scenarios for target district/neighbourhoods, providing a roadmap for urban decarbonisation and the transition to sustainable and carbon neutral districts/neighbourhoods with the active involvement of HE students**

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PROJECT PARTNERSHIP



Project Coordinator IRENA - Istrian Regional Energy Agency Ltd.



Partner Organisation 1 Università degli Studi di Siena



Partner Organisation 2 Università degli Studi Roma Tre



Partner Organisation 3 Universidad Pablo de Olavide



Partner Organisation 4 MIEMA - Malta Intelligent Energy Management Agency

PROJECT PARTNERSHIP

- ▶ **UNISI** has shared the **Carbon Accounting framework** to be adapted to specific contexts and used as operative tool to design decarbonisation scenarios and assess carbon mitigation effects of specific measures and policies. Being partner of the CityZen project - and therefore familiar with its methodology - it will be responsible of coordinating the **production and fine-tuning of the common methodology (O1)**.
- ▶ **MIEMA** is responsible of the creation of the project **web platform (O2)** and of the organization of the Intensive Course in Malta.
- ▶ **UPO** is in charge of coordinating the **collection of urban decarbonisation agendas (O3)** produced during the itinerant workshop, and will host its first stop in Seville
- ▶ **ROMATRE** coordinates partners' activities aimed at the production of the **Modular Course on urban decarbonisation (O4)** and will host and the itinerant workshop's third stop.
- ▶ **IRENA**, as hosting organization of the final conference, will produce the final **conference proceedings (O5)**.

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MAIN ACTIVITIES

- ▶ Creation of a **team of experts in the fields of urban decarbonisation, sustainable energy and urban design from partner HEIs**, which have ‘animated’ the project workshops and guide the process for the development of decarbonisation roadmaps in target areas.
- ▶ Definition of a **common methodology to guide project implementation**, that will be shared within the partnership during a dedicated Teachers training workshop.
- ▶ Realization of an **open web-based platform** where the OERs produced during the project have collected and organized and can be freely accessed by students and professors for further exploitation.
- ▶ Organization of **3 workshops/learning activities**, touching different target cities (Seville, Siena, Rome), **each one involving HEI students from the hosting partner university, together with local stakeholders and communities in the drafting of city decarbonisation roadmaps for target neighbourhoods/districts.**

MAIN ACTIVITIES

- ▶ **Fine-tuning and integration of the project methodology** - based on a comparison of the various adaptations of the initial methodology to the different national contexts - and creation of a modular online course on urban decarbonisation (made available on the project e-learning platform),
- ▶ **Organization of an 2-week Intensive Course in Malta, where 3 students for each partner HEI and 2 teachers/trainers per partner organization will put into practice the final methodology and OERs and draft a sustainable development agenda for a Maltese target area.** The Course will engage students in both a preparatory lab (aimed at collecting data and materials, perform a context analysis and the greenhouse gas inventory, and define the baseline) and a workshop.
- ▶ **Organization of a Final conference** where all partners will present the project results and propose guidelines for their transferability.

INTELLECTUAL OUTPUTS

- ▶ 01 - Methodology and guidelines
- ▶ 02 - Web platform
- ▶ 03 - Collection of decarbonisation roadmaps for target districts/neighbourhoods
- ▶ 04 - Modular course on urban decarbonisation
- ▶ 05 - Final Conference proceedings

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THANK YOU!!!

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