



**Integrating Climate Resilience
in EU Higher Education**

Co-funded by the
Erasmus+ Programme
of the European Union



KA2 - Cooperation for innovation and the exchange of good practices

KA203 - Strategic Partnerships for higher education

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InCLIMATE

InCLIMATE Project

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of the European Union



Context

Call 2020 Round 1 KA2 - Cooperation for innovation
and the exchange of good practices

KA203 - Strategic Partnerships for higher education

Main objective of the project	Innovation
Project Title	Integrating climate resilience in EU higher education
Project Acronym	InCLIMATE
Project Start Date (yyyy-mm-dd)	2020-10-01
Project Total Duration	24 months
Project End Date (yyyy-mm-dd)	2022-09-30
National Agency of the Applicant Organisation	EL01 Greek State Scholarship's Foundation (IKY)

Project summary

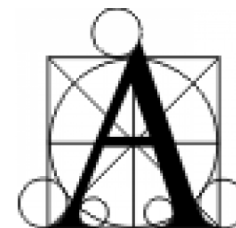
- The project aims to take on the challenge by increasing HEI staff's and students' **interdisciplinary skills through the development of innovative educational approaches to planning** and allied disciplines to rise to the challenge posed by Climate Change.
- Furthermore, it aims to bring the challenge within the core of **urban governance**, by directly and indirectly training professionals and officers to shape resilient policies.
- To attain these goals, the project proposes an alternation of **desk activities and workshops targeting both teaching staff and students**, aimed at the collective production, development, sharing, testing and dissemination of **Open Educational Resources (OERs)** based on the use of collaborative Concept Maps.

Project summary

- More specifically, the project foresees:
 - Training of 11 lecturers/trainers/researchers on project topics, methodology and tools, during a workshop promoting a holistic approach to climate resilience, the use of OERs as part of the regular teaching and training practice, and the use of concept mapping.
 - **Testing of the project methodology at partner level**, with the involvement of around 400 students in partner universities and 10 Maltese public officers, who have been trained by partners on the use of concept maps for climate resilience planning and policy design.
 - Involvement of **40 students** of different academic backgrounds in an intensive course/workshop based on concept mapping and interdisciplinary group work.
 - Production of **OERs on climate resilience based on concept mapping**, organized in modular courses and made freely available on the project e-learning platform, where they are expected to empower HEIs courses and provide targeted training for professionals, public officers, and policy makers.



OXFORD
BROOKES
UNIVERSITY



Universitatea
de Arhitectură și Urbanism
"Ion Mincu"



ARISTOTLE
UNIVERSITY OF
THESSALONIKI

The consortium



Description of the project

- PROJECT OBJECTIVES
- The project aims to **tackle the diverse challenges posed by climate change resilience at urban level by developing** (or augmenting) skills for **interdisciplinary collaboration among staff and students at HEIs** through the development of innovative pedagogical approaches to climate and urban resilience, based on:
 - 1) the use of **Concept Maps - graphical tools** showing concepts and their relationships, and representing a learner's cognitive structure about a given topic (often used to convey meaningful learning, a process in which the learner constructs new knowledge by making active connections to what he/she already knows),
 - 2) the **interaction among different disciplines (spatial planning, environment, engineering, landscape, etc.)**, in order to properly address the call for the integration of climate resilience within policies at different levels, and to adequately training future professionals and officers to shape resilient policies.

Description of the project

- NEEDS AND TARGET GROUPS
- In order to fully understand and effectively address the effects of climate change in cities, there is a need for **professionals with the right mix of skills: transversal competences including all resilience issues**, from risk management to social resilience, e-skills, creativity, flexibility and a solid understanding of their chosen field.
- There is also a strong need for **flexible, innovative learning approaches and delivery methods**. This challenge has to be primarily met by Universities and training institutions.
- **Urban planners, geographers, architects, environmental experts, policy makers and officers with adequate, integrated knowledge on climate resilience, to become active leaders** in the strengthening of territorial resilience to climate change impacts.
- A strong network linking education, policies, practices, and discourses on climate resilience.



Description of the project



The **lecturers**/trainers involved identified.



An initial Lecturers training workshop (held in combination with the 2nd Transnational Meeting) served to motivate them and to provide them with the methodological and operational tools to play an active role in the project activities.



Besides participating in the Lecturers training workshop, selected lecturers/trainers had to:



- transfer project methodology and tools to their students (within their regular courses or through ad-hoc events such seminars, labs, etc.) and test them, reporting such activities (and their results) to the other partners



- produce educational materials on project themes, to be uploaded on the project e-learning platform

Description of the project

- HE Students in partner organizations have been involved in the project in 2 different ways:
 - 1) **a larger number (around 400) have participated in project-related activities** (seminars, workshops, labs, educational modules, etc.) within their regular academic activities at their universities, tutored by their own lecturers.
 - 2) **a smaller group of 40 (8 per partner university) were selected to participate in an Intensive study program** organized by the project, aimed at testing the project approach with a selected group of students, within a lab-like, inter-disciplinary environment.



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Intellectual Outputs



ID	Leading Organisation	Output Title	Starting Period
O1	ARISTOTELIO PANEPISTIMIO THESSALONIKIS (E10209098, GR)	Climate resilience database	11-2020
O2	UNIVERSIDAD PABLO DE OLAVIDE (E10208678, ES)	Shared knowledge report	02-2021
O3	MALTA INTELLIGENT ENERGY MANAGEMENT AGENCY (E10184821, MT)	E-learning platform and OERs	11-2020
O4	OXFORD BROOKES UNIVERSITY (E10206777, GB)	Pre-ordinated cognitive structure	11-2020
O5	UNIVERSITATEA DE ARHITECTURA SI URBANISM ION MINCU DIN BUCURESTI (E10165069, RO)	Climate Resilience Integrated concept map (CRlc-map)	10-2021
O6	UNIVERSITA DEGLI STUDI ROMA TRE (E10208847, IT)	Final conference proceedings	06-2022

Impact of InCLIMATE at international level



- Development of a **collaborative environment among lecturers, researchers and students in partner HEIs**, and creation of a **first nucleus of a EU-level network of universities on climate resilience**.
- Opening up of traditional educational practices in partner HEIs (and potentially at national level in involved countries) and **increased quality of HE teaching and research in the field of climate resilience**.
- **Increased transfer of knowledge and best practices** on climate change adaptation and resilience, and **enrichment of the international debate** on climate resilience issues.
- Development of **graduates** who have the necessary skills and knowledge to:
i) rise up to the challenge of climate change, and thus **work towards meeting the UN Sustainable Development Goals** and other significant societal challenges; ii) **match the demand of employers** as regards 4Cs (critical thinking, communication, collaboration, and creativity) and the **ability to work in a team structure**.
- Availability – through the project web platform - of a **wide range of materials on urban resilience and climate issues**, that can be exploited at all levels for teaching, learning, training and research in academic and non-academic contexts, in partner countries and beyond.

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<https://inclimate.eu/>

Thank you!