



KA220 HED-Progetto n. 2021-1-IT02-KA220-HED-000032223

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Climate Change, Cities,
Communities and Equity in Health

Introduction to R1

**Research on mitigation and adaptation strategies of
climate change effects on human health in urban areas**

| Responsible partner: CyI | Kick-off meeting 28 January 2022 |



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Result ID	1	Result Type	Studies / analysis – Research study / report
Result Title	Research on mitigation and adaptation strategies of climate change effects on human health in urban areas		
Result Leading Organisation	THE CYPRUS INSTITUTE (E10157898 - Cyprus)		
Result Description (including: needs analysis, target groups, elements of innovation, expected impact and transferability potential)	<p>This result is a catalogue of research and experiences that address the issue of health and climate change in urban areas. The result will include both scientific research projects, and experiences carried on in cities at European and international level, by including those developed by project partners, that link the topic of health to climate change and involve communities in designing/creating environments favourable to health. This catalogue will focus on: - a transdisciplinary approach to urban health and climate change; - design solutions for urban areas, aimed at adapting to climate change; - design solutions that can be replicated in the various European cities that deal with the regeneration of the existing city. Professors and researches involved in the teachers training workshop will finalize it and use it as a base for the development of upcoming studies. The collection will be the main element for professors in the local workshops to illustrate to students the effects of climate change on the built environment and the possible design solutions to protect urban health problems. Moreover, it will be spread out in the project website, Erasmus+ platform and other channels to make it available to interested stakeholders, and in particular to public administrations, universities and research groups at local, national and European level. As a result, the dissemination of the result will: - increase awareness among professors and researchers regarding the importance of a transdisciplinary approach to urban health; - increase students' ability to understand the importance of dealing with experiences developed in different contexts and in different disciplines; - provide students with a sample of design solutions that can be used in their urban regeneration projects; - enable the public administrations involved (associated partners) to become aware of the experiences of other cities.</p>	<p>Please describe the division of work, the tasks leading to the production of the result and the applied methodology</p>	<p>CYI will be responsible for the coordination of the project partners in developing this result. In particular, CYI will define a template according to which each partner with regards to its own competences, will select and register experiences and design solutions, and draw up a summary of the experiences catalogued. All of the projects' partners will select experiences and research products, by comparing them and highlighting the critical issues and successes, and summarizing them according to the template mentioned above. These documents will be discussed during the "Teacher training workshops". These will be digitally available through tools that share data in the workgroup itself according to</p> <p>the EU standards on Data Protection & Research Ethics, in order to check the work progress and the results of which will be presented by the students to stakeholders in local workshops. Moreover, UB will develop a database to make them visible within the project websites and in particular for public administrations, who could be able to take suggestions for their urban policies. The Partner responsible for the activity will have an additional amount of working days with respect to partners due to its coordination action.</p>
		Result Production Start Date (dd-mm-yyyy)	01-12-2021
		Result Production End Date (dd-mm-yyyy)	31-05-2022
		Result Languages	English
		Result Media	Other
		Result Participating Organisations	UNIVERSITA DEGLI STUDI DI CAMERINO (E10208672 - Italy) , CONSIGLIO NAZIONALE DELLE RICERCHE (E10209413 - Italy) , UNIVERZITET U BEOGRADU (E10208240 - Serbia) , Iscte - Instituto Universitario de Lisboa (E10204863 - Portugal)



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- Outcome
Scope

Outcome
focus

- Output

Dissemination

Expected
impact



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Structure of deliverable

Research on mitigation and adaptation strategies of climate change effects on human health in urban areas

Promote health-based and climate-proof urban regeneration

Systematic literature review, SWOT analysis

A catalogue of research and experiences from urban centres, 1 scientific publication in peer reviewed journal, technical articles used to transfer results to different target groups in workshops

Public report / 8-10.000 words

Collaboration platform TBD / Periodic progress meetings

Scope

Research objective

Methodology

Expected outcomes & direct use

Format

Collaboration modality



Scope

- Create a catalogue of mitigation and adaptation strategies of climate change effects on human health in urban areas
- Collection of case studies
 - on climate change impacts on human health and well-being in urban areas, research projects, previous studies, examples, publications, and the project partners' past experiences
 - on recent experiences of using immersive environments (virtual mixed or augmented reality), public art and simulation games for educational purposes, raising citizens awareness and strengthening their role as co-designers of urban spaces

Research objectives

- Apply transdisciplinary approach to urban health and climate change, capitalising on the participants of the consortium, which includes anthropologists, sociologists, urban architects, medical scientists, climate modellers, engineers etc.
- Identify and collect design solutions for urban areas aimed at mitigating and adapting to climate change
- Promote design solutions that can be replicated in the various European cities that deal with the regeneration of the existing city



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Methodology

Systematic literature review & pre-set templates with feedback processes

- CyI will create templates for all partners to (a) contribute keywords for query search & (b) classify information read in the papers
- CyI will run a preliminary search to get feedback on appropriate keywords
- After the keyword finalisation, CyI will perform the systematic lit search and initial screening & distribute papers to partners to be reviewed
- Partners will fill in the templates classifying paper's information
- CyI with the contribution of all partners will consolidate the collected data
- CyI will coordinate all partners in contributing to the writing of the report
- The data collected from the systematic lit search might be analysed using the SWOT framework or other interpretative schemes



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Expected outcome, outputs and direct uses

Outcome

- Knowledge increase of teachers, students and the scientific community in the field of health-based and climate-proof urban regeneration

Outputs

- Contribution to the development of a formal and non-formal educational toolkit
- 1 scientific publication in peer reviewed journal
- Technical articles

Direct use

- Toolkit will be used in the Teachers training workshop (C1)
- Dissemination of results through project website and where possible, targeting public administrations and local stakeholders



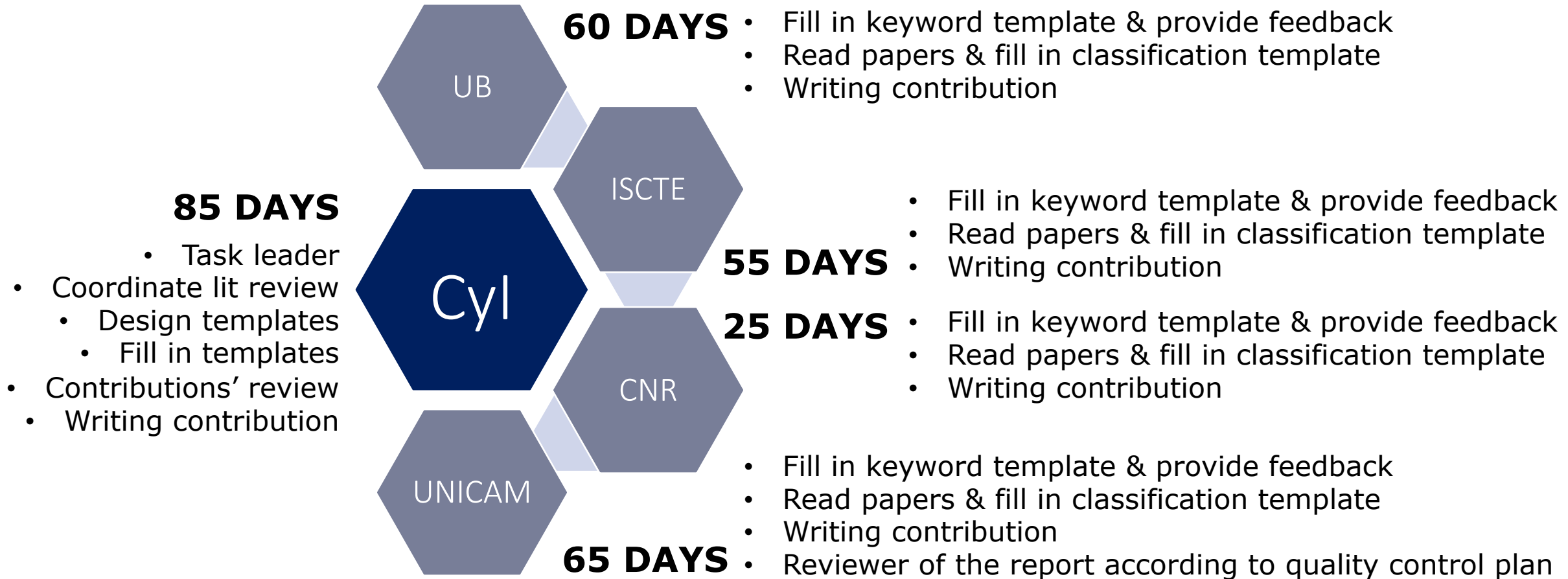
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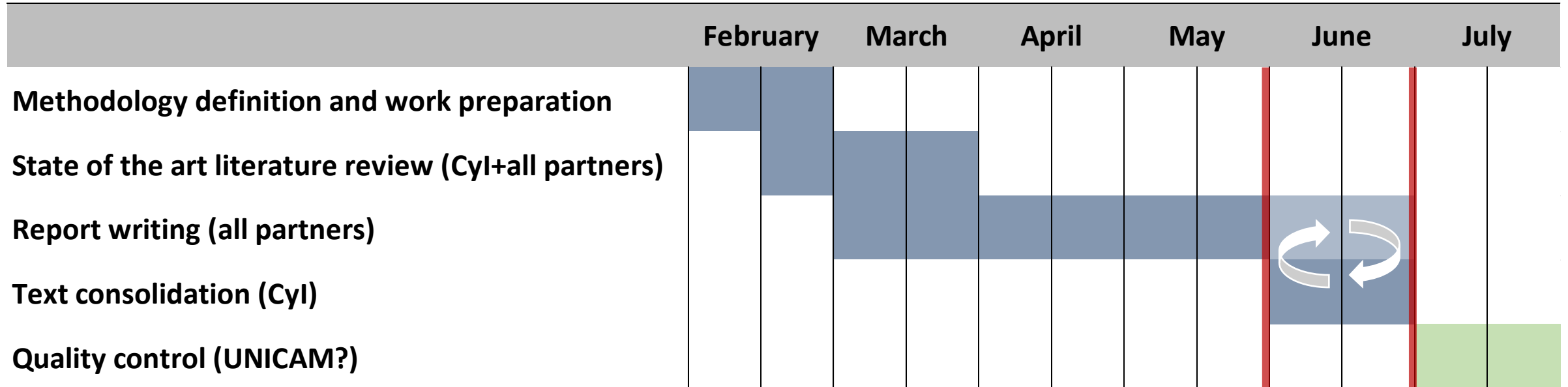
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Contributions to R1



Timeline of R1



Draft report ready

**Report ready for
quality control**

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Thank you

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