

Catapult



Cities

Researchers Summer School How can cities couple greening and regeneration actions in the decarbonisation of their supply chains?

8-19 July 2019

Bologna & Lisbon/Almada

This **two-week full-time residential programme** will take place from **8th to 19th July in Bologna** (first week) and **Almada** (second week), where you will shape the urban landscape, district regeneration and decarbonising supply chains.

As **cities** are facing **complex challenges** such as integrating greening and regeneration actions in the **city's supply chains**, the overall goal is to explore solutions to **decarbonise urban energy systems** and **increase quality of life** and infrastructure.

Researchers will investigate **2 case studies**, in **Bologna and Almada**, and make use of a hands-on approach to explore the interconnections between district regeneration, urban low carbon energy transitions and the decarbonisation of city supply chains. The aim is to address the multiple dimensions:

- Technical feasibility
- Economical cost-effectiveness
- Social acceptability
- Market and business opportunities
- Policy implications.

The case-studies allow research teams to co-create solutions and practical outcomes while interacting with key stakeholders. The outcomes of researchers' reports will be collected and included in the guideline for follow-up and implementation phase, creating real impact on local development (specific instructions will be provided). This is a valuable networking and career development opportunity, as you will get insights of current challenges and connect with potential collaborators and their organisations.

#ClimateCatapult
catapult.climate-kic-org

Climate-KIC is supported by the
EIT, a body of the European Union



The Challenge

How can cities couple greening and regeneration actions in the decarbonisation of their supply chains?

The summer school programme is focused on defining effective solutions in the framework of the challenges faced by Bologna and Lisbon areas regarding climate change and national decarbonization goals. Solutions are expected to:

- Increase energy efficiency at district level while improving services and spaces for the local community.
- Build green and resilient spaces with the help of nature-based solutions which can host vegetable gardens, playgrounds, outdoor activities while mitigating climate conditions.
- Propose innovative solutions for transitioning to carbon-neutral districts with special focus on the design of low-carbon urban supply chains.
- Promote social innovation, working with local player engagement and assuming participatory design as a tool to concretely involve inhabitants in delivering transition.

The Aim

We offer a **learning-by-experiencing approach to tackle real-life challenges**. You will be able to boost your skills in a **inter-disciplinary thinking** and cooperation environment. The **objectives**:

- To equip participants with the **knowledge of transformative, socio-technical innovation**.
- To **exchange ideas** between **students and experts** and to develop **new project ideas** for innovation in the industry.
- To provide **practice oriented tools** that will enrich the student's individual projects.
- To enable PhD students to **link their individual research projects to real life problems** and innovation activities.



Who can participate?

EIT Climate-KIC and University Partners welcome **PhD** and **postdoctoral researchers, post-graduate** and **professionals** interested in climate topics. All researchers are welcomed to apply:

- Climate-KIC Label PhD
- PhD at European University
- PhD at non-European University
- Postdoctoral researchers
- Professionals

All sessions are held in **English**.

Participation is **free of charge**.

It includes: Accommodation, lunch meals and local transfers.



Partners

University of Bologna Department of Architecture (UNIBO|DA)

operates as coordinating institution and is a leading institution on urban regeneration research programmes dealing with energy efficiency and building retrofitting, adaptation and mitigation of built environment to climate change, cultural heritage as a driver of sustainable growth. UNIBO|DA covers a wide range of architectural fields both for research and teaching purposes cooperating with several leading institutions across Europe and worldwide.

NOVA University of Lisbon Departments of Environmental Sciences and Engineering and of Mechanical & Industrial Engineering (NOVA-FCT)

operate as co-coordinating institution and are leading institutions on low-carbon urban energy systems and supply chain research programmes. NOVA-FCT covers a wide range of engineering fields both for research and teaching purposes. They work closely with Almada's municipality, its local energy agency (AGENEAL) and the renewable energy cooperative COOPÉRNICO, which will be involved in the programme.

Foundation for Urban Innovation

is a Foundation controlled by the City of Bologna and the University of Bologna, born to boost the transformation of Bologna in a more liveable, sustainable and resilient city. FIU is committed in promoting and protecting Bologna's environment, its economic vitality, its cultural vibrancy, and above all its environmental sustainability and social diversity. Municipality of Bologna

Municipality of Bologna

with about 380,000 inhabitants, is the capital of Emilia-Romagna, a region in Northern Italy. COBO operates as key partner and problem owner, considering most of regeneration and renovation initiatives are driven according to COBO's Resilient Action Plan.

Deadline for applications 31st of May

[APPLICATION FORM](#)

Programme

Week 1 Bologna, Italy

Sunday 7th July Arrival

Monday 8th July Welcome

- Introduction to the programme contents and participants presentation
- Case study description of the two locations
- Exploring Bologna case study and site visit (case study 1)
- Welcome dinner

Tuesday 9th July Context

- Setting the scene: Regeneration processes and circular systems
- Exploring Lisbon case study (case study 2)

Wednesday 10th July Defining objectives

- Background and context
- Bologna and Lisbon/Almada Case study overview and main objectives
- Training - systems thinking, urban energy systems
- Idea generation, assumption validation

Thursday 11th July Metodology

- Methodological approach
- Urban transitions: strategies and tools
- Feedback analysis, inspiration (successful experiences)

Friday 12th July

- Training: Communication
- Workshop: Observation techniques, key players and stakeholder's engagement
- Intermediate outcomes presentation, communication of vision and key actions
- Field trip
- Expert session
- Finalize deliverables
- Farewell dinner

Saturday 13th July Transfer to Lisbon



Week 2 Lisbon/Almada, Portugal

Monday 15th July Recap

- Final expected outcomes recap (format & rules)
- Feedback from week 1, re-loop the idea, weekly plan and project advance
- Training - supply chain design & operations management
- Visiting the Almada (case study 2)

Tuesday 16th July

- Training – business approaches for innovation
- Project development

Wednesday 17th July Communication

- Project development
- Workshop - governance mechanisms
- Feedback from key players and stakeholders - dialogue and communication session

Thursday 18th July Project finalization

- Preparation of summary and final presentations
- Pitch training

Friday 19th July Final session

- Pitch Presentations of group works to the jury
- Wrap-up of the programme
- Farewell dinner

Saturday 20th July Departure



Contact us

In case of any questions concerning this PhD summer school, feel free to contact

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