

Urban Transitions Creating resilient corridors

PhD Autumn School on Urban Regeneration
10th - 21th September, Bologna, Italy

Within the framework of Urban Transition theme, the Bologna 2018 edition is strongly connected with Climate KIC priorities and particularly with Resilient Cities. The programme is based on ongoing research activities developed by the Department of Architecture and the City of Bologna to define a systemic urban approach to support the regeneration of urban and peri-urban areas. The scope is to facilitate the creation of Resilience Corridors, typically following a natural or urban infrastructure, able to become places for innovative approaches where several and interacting activities shall be tested to close resources loops (e.g. water, food, waste, energy, etc.). This is expected to create new value chains strengthening relations among actions, actors, spaces and resources, that will act as an engine to regenerate and improve the mutual exchange between different players according to a more effective systemic vision.



Comune di Bologna

#ClimateCatapult
catapult.climate-kic.org

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The Challenge

The autumn school programme is focused on defining effective solutions in the framework of the Resilient Corridor to be developed from the Bologna city center along the north-east direction culminating in the Pilastro neighbourhood. Pilastro is a dense populated residential complex, largely developed under the social housing umbrella (built up in different phases in 1960-90s) with limited community services and commercial activities where the City of Bologna is planning some investments to promote economic growth and sustainable regeneration benefitting of the site proximity to CAAB and FICO pole of excellence in the agro-food sectors.

Solutions are expected to:

- Increase retrofit rate by boosting energy efficiency measures on existing buildings (both residential and commercial) while improving services and spaces for the local community at the ground floor.
- Build green and resilient spaces with the help of nature-based solutions especially in the central backbone which can host vegetable gardens, playgrounds, outdoor activities while mitigating climate conditions.
- Accelerate a modal shift in urban mobility and logistic, rethinking the connection from and to both the city center and CAAB and FICO pole (e.g. e-vehicles, bike, etc.)
- Promote social innovation, working with local player engagement and assuming participatory design as a tool to concretely involve inhabitants in delivering transition.

The case study will let participants to turn their ideas and solutions into practical outcomes having the chance to work closely with the research teams and to meet the key stakeholders involved.

The outcomes of student reports (specific instructions will be provided) will be collected and included in the guideline for the further implementation phase and follow up offering an impacting contribution to local advances.





The partners

University of Bologna – Department of Architecture (UNIBO|DA) operates as coordinating institution and is a leading institution on urban regeneration research programmes. UNIBO|DA covers a wide range of architectural fields both for research and teaching purposes.

Municipality of Bologna (COBO), 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.

Fondazione per l'Innovazione Urbana Bologna (FIU) 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.

You will have exclusive access to these organisations and work with each of them and their challenges – a valuable networking opportunity for your individual career development, as it will get you in touch with potential future collaborators.

Aim of the autumn school

Our Autumn school offers a learning-by-experiencing approach to tackle real-life challenges. Providing a broad range of in-depth theoretical knowledge, hands-on cases to apply the learning, inter-disciplinary thinking and cooperation, you will be able to boost your skills through the autumn in Italy.

The autumn school is designed with the following central learning objectives inspired by the general Climate-KIC autumn school concept:

- To equip participants with the knowledge of transformative, socio-technical innovation using a systems approach to deliver knowledge
- 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 (e.g. backcasting methodology)
- To enable PhD students to link their individual research projects to circular economy and innovation activities.



It is a unique opportunity for you:

- To combine theory with practice in the field of business model analysis and circular economy.
- To develop innovation strategies and ideas for stakeholder cooperation.
- To meet, discuss and question key business leaders and policy-makers.
- To get in touch with people from all over the world and to work in interdisciplinary teams.

Programme

Week 1

Sunday 09 September: Arrival

Monday 10 September:

Welcome

- Introduction to the programme contents and participants presentation
- Visiting the case study
- Welcome dinner

Tuesday 11 September:

Context

- Setting the scene: Reneration processes and circular systems
- Visiting the case study

Wednesday 12 September:

Defining objectives

- Background and context
- Case study overview and main objectives

Thursday 13 September:

Methodology

- methodological approach
- Urban transition: strategies and tools
- Social dinner

Friday 14 September:

Training I

- Field trip
- training and workshop

Weekend: Free time and Bologna city visit



Week 2

Monday 17 September:

Recap

- Weekly plan and project advance
- Workshop with stakeholders

Tuesday 18 September:

Training II

- Field trip
- training and workshop
- Social dinner

Wednesday 19 September:

Communication

- Project advances
- dialogue and communication session

Thursday 20 September:

Project finalization

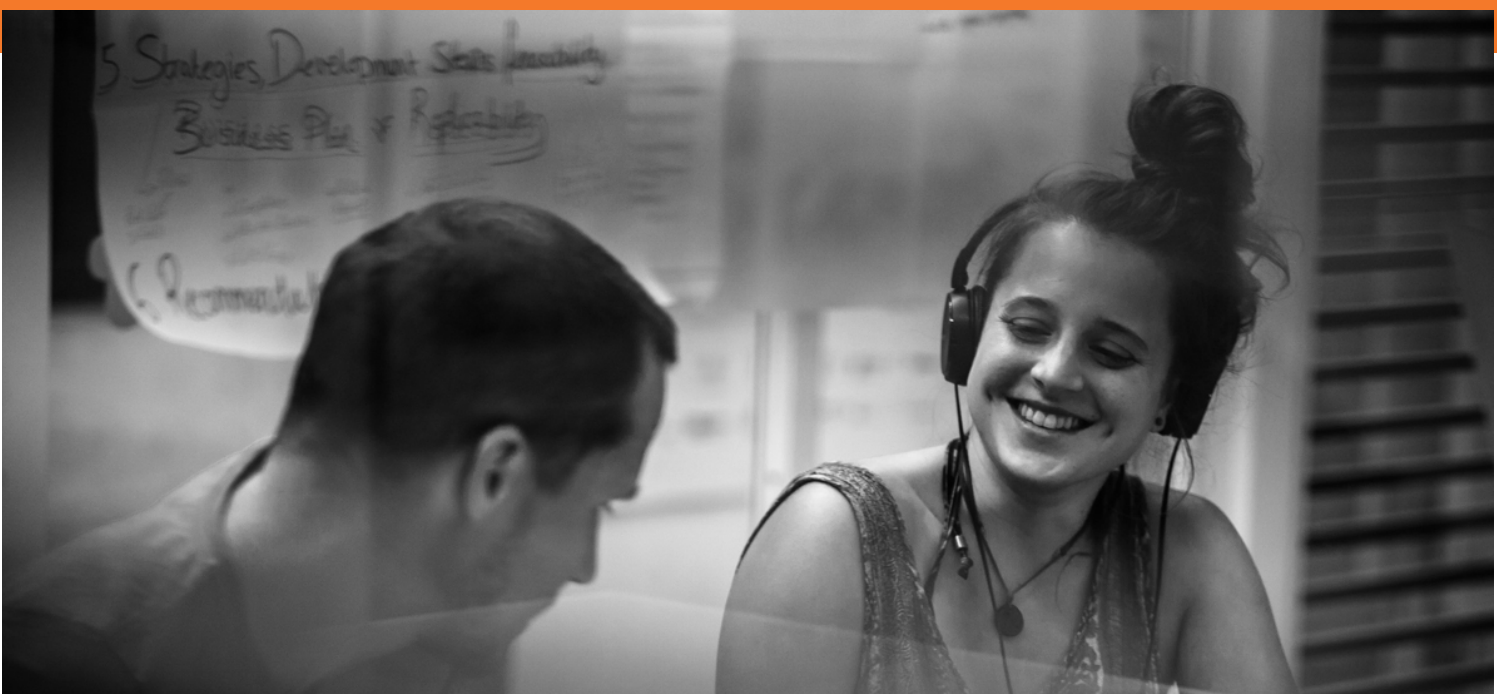
- Preparation of summary and final presentations
- Pitch training

Friday 21 September:

Final session

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

Saturday 22 September: Departure





Registration & Costs

The PhD autumn School is an integral part of Climate-KIC's PhD programme, for Climate-KIC labelled students, costs are fully covered. Furthermore, we are happy to welcome students pursuing their PhD outside of Climate-KIC and who are interested in climate change topics. Post-graduates with outstanding skills and motivation to participate are also invited to apply. For all non-labelled participants, the following fee applies: 800,- EUR.

The fee of the programme includes:

- accommodation (in double rooms)
- breakfast and lunch, approx. two dinners per week
- local transportation

After the confirmation of acceptance, invoices will be sent out to participants. Course fees need to be paid three weeks before the start of the programme. Main language is English; participants therefore should have sufficient language skills.

Please register for this autumn school through our Climate-KIC.org website until 31st of July <http://learning.climate-kic.org/courses/phd-catapult>

Contact us

In case of any questions concerning this PhD autumn school, feel free to contact Prof. Jacopo Gaspari, jacopo.gaspari@unibo.it