Climate-KIC PhD Summer School 2015

Design for Adaptation. Resilient Urban Communities.

Bologna, Italy 7-18 September 2015

Register now before 1 July 2015 and take the chance to learn all about resilient urban communities!

This two-week intensive programme revolves around the challenge of adaptation towards climate change that urban communities face. Revolving around the strategic challenge to increase the capacity of society, cities and infrastructure to be able to adapt to climate change, the Bologna region with its built and natural environment will serve as an example to assess the issues. It is up to you to come up with creative solutions for the cities' adaptation issues!

Designing resilient urban communities

This summer school offers a learning-by-experiencing approach to design for adaptation in the context of urban communities. On the basis of case studies revolving around the Bologna region, you will learn how to use a range of tools and methods and how to develop adaptation services and solutions for urban contexts, with a specific focus on UHI, water management, extreme events and hydro-geological risks. Students will engage in the creation of collaborative, multi-perspective, cross-disciplinary approaches for designing innovative and creative ideas and solutions in order to boost effective adaptation actions.

Real-life challenges from hosting companies

In our Summer School, you will work on real-life challenges which have emerged within the Bologna region. Through cooperation of Climate-KIC partner ASTER with the University of Bologna, the Municipality of Bologna and the Bologna Urban Centre, a holistic view of adaptation issues in urban communities is presented. At the outset of the summer school, specific challenges will be presented to our students, who will work in small teams to find ways to create and implement solutions. After two weeks of intensive work, all teams will present the results to project representatives, their fellow students and an external jury.

Excursions

While the main venue of the summer school will be in the historical centre of Bologna, during the two week our group of students will go on interesting excursions: The Bolognina District and the river Reno areas represents two different urban environments with specific challenges which can have an impact on the whole city. Representatives of the Municipality and main local stakeholders (public and private) will accompany you in discovering the key issues and opportunities.

During the summer school other trips within the city will give you wider knowledge of the city: how modern architectures and approaches deal with historical heritage, the long history and relationship between Bologna and the water and its impact in economic and social city life.

Learning objectives

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

- To learn how to merge theoretical approaches with real life cases, by stimulating PhD students to connect their research path with practical experiences in the city of Bologna and through specific case-studies (Local Adaptation Plan of the City of Bologna and BlueAp project);
- To learn how to develop adaptation services and solutions for urban contexts, with a specific focus on UHI, water management, extreme events and hydro-geological risks;
- To understand the growing role of climate insurances, risk analysis and resilience;
- To learn how to develop collaborative, multi-perspective, cross-disciplinary approach for designing innovative and creative ideas and solutions in order to boost effective renovation actions;
- To learn how to effectively communicate the innovative adaptation services and envisaged solutions to stimulate participation process engaging stakeholders and communities
- To assume an effective communication (to both the citizens and the political actors) of the risks connected to climate change, its impact on quality of life and economic implication (i.e: "how to talk about Resilience and Adaptation") as a tool to deliver a new vision of the city for tomorrow.

Opportunities

Based in the historical centre of Bologna, you will attend lectures, workshops, excursions and discussions; meet world renown experts, visit urban environments with specific challenges, discuss with city representatives, public and private stakeholders and enjoy leisure activities showcasing the sights and tastes of Bologna.

This Summer School is an opportunity to get away from your regular work environment, meet people from other cultures and disciplines, enlarge your knowledge on adaptation services, engage in international networking opportunities, enjoy the summer in Bologna and have a great time!

Programme outline

Day 0	Arrival day, voluntary welcome dinner.
Day 1	Welcome & exploring: the key challenges of design for adaptation in Bologna. Introduction and visit to the case study sites.
Day 2	Understanding new design drivers: Climate Change & Adaptation. The strategy of Bologna adaptation Plan. Forming groups, meeting with City representatives and visioning scenarios.
Day 3	Academic & coach training: communication, participation and key player engagement. Development of ideas and projects considering the community and the context.
Day 4	Design for adaptation: core principles and best practice. Development of projects including business model and feasibility aspects.

Day 5	Insurance, risk analysis and resilience: an emerging and growing issue in future scenarios of cities. Project development and pitch of project visions.
Weekend	Time for group work, free time.
	Excursion: Guided tour of the city most attractive sites, experience of Bologna food and nightlife.
Day 8	Climate change & in/outdoor comfort: the influence and the impacts of Urban Heat Island. Discussion about the projects development.
	Excursion: Architecture in Bologna.
Day 9	The stakeholders involvement: multi-perspective approaches and conflicts. Coach training: public debate, key mode of communication, key concept of the project.
Day 10	Academic & coach training: Connections and quality of life. Preparation for public debate in the case study sites. Discussion with stakeholders.
Day 11	Optimized design - inspiring case studies. Time for project development and finalization considering suggestions, feedback and acquired experiences.
Day 12	Reflection on the experience and preparation for final pitch. Presentation of group works to the jury. Announcement of jury decision and goodbye party.

Who can participate?

The participation in a PhD thematic summer school is part of the Climate-KIC PhD programme. All Climate-KIC PhD students should take part in a thematic summer school in their second or third year.

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.

The summer school will be held in English, in order to participate, students should have sufficient language skills. Therefore, short interviews might be conducted with the applicants to test their English skills and their motivation.

How to apply?

All details can be found here: http://www.climate-kic.org/programmes/phd-summer-schools/

Applications for this summer school are now being received until the **application deadline of 1 July 2015**. Please provide a copy of your passport as an attachment to your application.

Any applications submitted after the deadline will be marked late and will be considered only after the review of applications received on or before 1 July 2015. Letters of acceptance will be sent out by 15 July 2015.

Costs

As the PhD Summer School is an integral part of Climate-KIC's PhD programme, costs are fully covered for Climate-KIC labelled students.

- 500,- EUR for PhDs from partner universities and EU citizens
- 2.000,- EUR for non-EU passport holders

The costs of the programme include accommodation (in double rooms), breakfast and lunch, approx. five dinners per week, as well as local transportation. Participants need to cover the travel costs to/from Bologna themselves.

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.

Organised by

The Summer School is organized by the Climate-KIC partner ASTER, the University of Bologna, the Municipality of Bologna and the Urban Center Bologna.

ASTER

COMUNE DI BOLOGNA

ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI ARCHITETTURA

urban center bologna

Contact us

In case of any questions concerning this PhD Summer school, feel free to contact Paola Valandro via paola.valandro@climate-kic.org

In case of any questions concerning the contents of this PhD Summer school, please contact Jacopo Gaspari via jacopo.gaspari@unibo.it

Website: http://www.climatekicemiliaromagna.it/en/education/phd-summer-school

Climate-KIC

Climate-KIC is Europe's largest public-private innovation partnership, working together to address the challenge of climate change. The KIC is one of three Knowledge and Innovation Communities (KICs) created in 2010 by the European Institute of Innovation and Technology (EIT). The EIT is an EU body whose mission is to create sustainable growth. Climate-KIC supports this mission by addressing climate change mitigation and adaptation. The KIC integrates education, entrepreneurship and innovation resulting in connected, creative transformation of knowledge and ideas into economically viable products or services that help to mitigate climate change.