

# RESICITIES RESILIENT, SMART AND SUSTAINABLE CITIES

A PARTNERSHIP BETWEEN



**CTU**  
CZECH TECHNICAL  
UNIVERSITY  
IN PRAGUE



University  
of Stavanger



**ipag**  
Business School  
IPAG, IEP, IEPH, IEPH2



University of Porto



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



**RESICITIES** is an education-oriented project funded by Erasmus+ aiming at the design and delivery of a programme for postgraduate students and academic staff undertaken by a group of four European universities.

**RESICITIES** – Resilient, smart and sustainable cities is a comprehensive programme composed of 5 courses organised by 4 Top European Universities. This is the fourth course of the programme and it is about "Open Urban Innovation". It was designed in co-creation between the 4 universities, each being responsible for at least one module. The participation is free of charge as it is granted by the Erasmus+ programme.



## HOW DOES IT WORK?

The course will grant ECTS and a certificate.

Participation in the immersive weeks is not mandatory for the students to achieve a certificate, but it is a good opportunity for students to know different contexts and ecosystems, to meet foreign lecturers in person, and to establish international networks with other students and companies.

Students willing to participate in the immersive week in Nice (France) will receive an allowance to help with the costs. Students should contact their own university's for more information about travel allowance.





# GET TO KNOW OUR COURSE

OPEN URBAN INNOVATION

## COURSE OBJECTIVES

- To introduce students to the concept of open urban innovation in the context of resilient, smart, and sustainable cities.
- To familiarize students with innovative tools and strategies for sustainable urban growth management.
- To prepare students to become future urban leaders who can drive transformative changes towards a smart and sustainable environment.
- To explore the role of urban labs and collaborative business models in driving sustainable urban development.
- To equip students with crisis management skills and knowledge for urban contexts.
- To enable students to understand the importance of security in urban planning and its impact on sustainable development.
- To provide students with an understanding of urban planning for climate change and how to design sustainable urban solutions that can mitigate its impact.

The programme is customized to audiences interested in entrepreneurship and/or on urban development affairs, whether in isolation or with the goal to understand and act upon both in an integrated and more effective way.

This advanced training programme is launched as part of the RESICITIES project, an international consortium formed by the Czech Technical University in Prague, Stavanger University, IPAG Business School Paris and Porto Business School.

## HOW?

The course is composed by six synchronous online sessions (four sessions of 3 hours each and two sessions of 1:30 hour each - 15h).

The programme combines a component of individual study, as well as six moments of in-class synchronous contact. These form the backbone of the course and are used to synthesize, clarify, and deepen course contents, as well as to carry out a number of activities, including case study discussions, group work, role play, among others, making for a hands-on application of concepts and tools.

## EVALUATION

Assessment is informal. There will be a set of quizzes and assignments so evaluation will be continuous.



## DATES

- Module 1 – 8 June (2.30pm to 5.30pm CET)
- Module 2 – 13 June (1.00pm to 4.00pm CET)
- Module 3 – 15 June (10.30am to 1.30 pm CET)
- Module 4 – 20 June (2.30pm to 5.30pm CET)
- Module 5 – 26 and 27 June (10.00am to 11.30am CET)

## BLENDED MOBILITY WEEK

As a learning and experiential add-on to the course, the project will offer an intensive international mobility week, to take place in Nice (3-7 July).

## ECTS

- Online – 3 ECTS
- Online + Mobility Week – 3 (online part) + 2 ECTS  
= 5 ECTS

## REGISTRATION

You can register through the following link:  
<https://forms.gle/rNrPiYEydvZG7a456>



## SYNCHRONOUS ONLINE SESSIONS

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### Introduction to Open urban innovation | June 8

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- Explain the fundamental principles, technologies, current applications and future trends in open urban innovation in smart cities.
  - Introduce the concepts, framework and key technologies of smart city in different fields.
  - Understand the role and functions of various technologies (IoT, 3D Printing, sensors, RFID, Cloud computing) that can be used for implementing urban innovation.
  - Understand how the smart city is managed from an urban innovation perspective.
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### Security and Urban Planning | June 13

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- Introduction to the history of security and urban planning
  - A comprehension of the challenges of negotiating security with norms of privacy and freedom.
  - An introduction to the intersections between urban planning and societal safety, in particular its relations to critical infrastructure, and sites of significant social, political, and symbolic importance.
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### Urban Labs & Collaborative business models | June 15

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- Understand the complexity and intricate challenges of today's urban planning.
  - Identify the main actors within the urban planning innovation schemes.
  - Understand the concept of public procurement of innovation.
  - Problematize about the challenges start-ups face when scaling up.
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### Crisis management in urban context | June 20

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- Understand the urban environment and the various risks associated with it, including an awareness of relevant facts, figures, digital technologies, infrastructure, and social political forces.
  - Familiarize oneself with the concepts, frameworks, and key technologies utilized in the development of smart cities across different fields.
  - Analyse case studies, with a specific focus on the French case study of Paris, to gain insights into the implementation and challenges of smart city initiatives.
  - Develop critical thinking skills to evaluate and assess urban crisis management strategies, identifying their strengths and weaknesses, and considering potential areas for improvement.
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### Urban planning for climate change | June 26 and 27

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- Acquire comprehensive knowledge and understanding of climate change mitigation and adaptation strategies.
  - Analyse and assess the impacts of climate change in specific regions and urban environments through engaging storylines.
  - Apply critical thinking and problem-solving skills to evaluate and propose innovative solutions to address the challenges and opportunities associated with climate change mitigation and adaptation in real-life contexts.
  - Engage in active learning, fostering a deep understanding of climate change issues and their implications for different regions and urban settings.
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## LECTURES



Dominique Bonet Fernandez  
Director of Circular economy Chaire  
Head of Strategy & Management  
Department  
IPAG Business School and CRET-LOG  
Aix-Marseille University  
184, Boulevard Saint-Germain  
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Tegg Westbrook

Associate Professor at the University of Stavanger, specifically within the Department of Safety, Economics, and Planning at the Faculty of Science and Technology.

Technologist particularly interested in exploring the social and political implications that arise from the application of security and safety technologies.



Carlos Guimarães

Certified project management professional (PMP®) with an architecture, urban development and management background.

BSc Architecture 2006; University of Coimbra, Portugal

MSc Smart Cities 2017; University of Girona, Spain

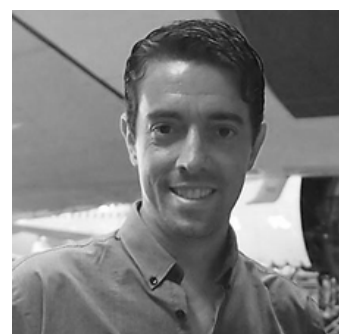
Executive Course: Management 2018; Porto Business School, Portugal

Ticiano Costa Jordão

Project Manager for European Grants in the Faculty of Transportation Sciences, Czech Technical University in Prague.

PhD Environmental Engineering; Faculty of Chemical Technology of the University of Pardubice

MSc Double degree in Civil Engineering and in Environmental Engineering; Faculty of Transportation Sciences, Czech Technical University in Prague.



## Registrations

The attendance of the online sessions is free.  
Scholarships available for the immersion weeks.

For more information please contact:

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