

INTELLECTUAL OUTPUT 3: Course on Innovation for Sustainable and Smart Urban Planning

Originally proposed with the name "Open urban innovation for smart governance and living" by one of the withdrawn partners of RESICITIES consortium (Universidad Autonoma de Barcelona), the name of the course will be changed for "Innovation for Sustainable and Smart Urban Planning".

The internet of things and data interoperability are forcing cities to think about their role in new ways. In the near future, cities and citizens will be interconnected in more ways than they probably care to think about today, from transportation to healthcare; energy to media; and daily communication. If citizens are overconnected now, this is only the beginning of what is to come. Even construction companies will get involved as intelligent buildings are incorporated into smart city ecosystems. Interestingly, these companies are not necessarily linked by industry or service but are moving rapidly towards technology interdependence. Government, industry, and academia will need to adopt the idea of open innovation to secure vitality, security and growth in a quickly changing world. One cannot go it alone. Interdependent, connected cities of the future will need to be mindful about connecting both technology and people.

This course will present innovative tools and strategies to governance for the management of urban growth in a sustainable way. It will prepare students to be future urban leaders and citizens of transformations for a smart and sustainable environment.

The course will be in English language and will be targeted at the higher education students. It will be the first course of the consortium to be developed through a cooperation of all partner universities.

There will be no specific prerequisites for this course and a mix of background in engineering, urban planning, business management and sciences will be very welcome among participants.

The educational content will be created with various practical examples and exercises based on case studies and real simulations in order to enable the students to apply the knowledge and skills in different urban scenarios and contexts they can face in the future in their professional career.

Initially the educational content will be provided to selected students of higher education through a blended format like other courses previously created by RESICITIES consortium, i.e. online sessions followed by an optional Mobility Week component at the end of the course programme. Later on the educational content related to this course will be fully implemented into Ryze app to make it available and accessible on regular basis for other students of higher education of partner universities of RESICITIES consortium and beyond.

This course is being planned as follows:

Course to be delivered in a blended form (online sessions with live webinars and an intensive Mobility Week

Module 1 – Introduction to Open urban innovation in the context of resilient, smart and sustainable cities – IPAG – 22 to 26 May

Module 2 – Urban Labs & Collaborative business models – PBS – 29 May to 2 June

Module 3 – Crisis management in urban context – IPAG – 5 to 9 June

Module 4 – Security and Urban Planning – UiS – 12 to 16 June

Module 5 - Urban planning for climate change – CTU – 19 to 23 June

Per module: 1/2 lecturers – a total of 3h (1h30 for each) (on different days or in the morning and the afternoon)

+ Mobility week in Nice (3rd – 6th July 2023)