



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

CIRCULAR CITIES

Embedding circular economy principles into cities dynamics and regeneration strategies.

The University of Bologna is deeply involved in exploring cities as regenerative ecosystems able to face increasing pressures on urban infrastructures and environmental resources, by maximizing the value of components, materials and resources flows.



The research of the University of Bologna covers a wide range of issues:

- embedding the principles of the circular economy into urban policies and practices
- reuse/multiple use of vacant spaces and urban regeneration to foster proximity of people and materials
- mapping flows of people and resources to support 'closing the loop' policies and strategies
- strategies for land use (re)utilisation and implementation of nature-based solutions
- to promote effective energy use, supporting users to change behaviour and optimise energy consumption
- multi-modal mobility combining public transportation with flexible last-mile solutions, re-thinking the design of multi-modal nodes
- environmental assessment to provide evidence of circular economy as a driver to increase liveability of cities, social innovation and dissemination of low carbon practices at the urban scale

HIGHLIGHTS

The Interdepartmental Centre for Applied Research on Buildings and Construction (CIRI-EC) promotes research, co-operation and innovation within industries and small/medium enterprises by means of applied research on buildings and construction technologies, technological support, knowledge transfer and business development.

Collaborations and international research projects: The University of Bologna is partner of the EIT Climate-KIC, the public-private innovation partnership focused on strategies to mitigate and adapt to climate change. In this framework is coordinating the [Flagship Loop of Climate-KIC](#).

The University of Bologna is also participating in the Italian Circular Economy Stakeholder Platform and it is involved and coordinating EU funded projects aiming at embedding sustainable development principles into cities dynamics. Among them: [ROCK](#) - *Regeneration and Optimisation of Cultural heritage in creative and Knowledge cities* that aims to develop an innovative and systemic approach to effective regeneration in historic city centres. The Creative Practiced in Cities and Landscapes (CPCL), a facilitator linked to project, has been activated with the aim to bring forward circular urban systems approaches. [RURITAGE](#) - *Rural regeneration through systemic heritage-led strategies* that proposes solutions for the promotion of the Cultural and Natural heritage as a driver for competitiveness, sustainable and inclusive growth and development.

Both projects are funded by Horizon 2020.