



Luciana Campos received her first degree in Architecture from the University of Buenos Aires, Argentina and a post-graduate degree in Urban Design from the European Masters of Urbanism, in KU Leuven Belgium and UPC Barcelona.

She has recently completed a thesis that searches for physical solutions to achieve more sustainable and lower resources consumptive cities.

With the concern that cities are the largest entity causing environmental impact and the smallest entity that can take remedial action to restore the balance of our planet's changing environment, Luciana chose Limerick city, in Ireland, as a testing ground.

Where and how is it physically necessary to intervene in a city development to help it meet the challenges of a smooth transition into a more sustainable future? The focus lies in regenerating the already existing cities to prevent using up more land that may be required to feed future generations. If it is possible to retrofit a city, how could Limerick be retrofitted?

Highlighting Limerick's natural, historic, cultural, economic and social assets and opportunities, the research approaches the city as an ecosystem, where all physical systems are integrated and work with in a wider system.

Strategies to retrofit transport, green and public space, energy networks, water and waste cycles, interrelate at all scales and fit within the larger context of the city and its natural environment.

A site is chosen to test the strategies made at city level and within the site, particular projects bring to light a range of opportunities to retrofit the city with lower carbon technologies and help it become an attractive place to live, work, and visit.

There is an opportunity for Limerick to build on its many potentials, lead the way in sustainable urban development and reinvent itself as 'Ireland's Sustainable Capital'.