



# LIMA

Reducing social and physical fragmentation through the Lima Ecological Infrastructure Strategy (LEIS)

Thursday, April 10\_Side Event 21\_Yellow Pavilion\_ Room 8\_12:00-13:00



World Urban Forum - WUF7

Institute for Landscape Planning and Ecology (ILPOE), University of Stuttgart



Lima, located over the Peruvian desert coast at the Pacific Ocean, is the second driest desert city after Cairo. With an average precipitation of 9mm per year, intensive water extraction from the Andean mountains and ground water are needed to cover the demand of more than 9 million inhabitants. In this context potable water is limited but its use is inefficient including green areas irrigation while more than one million people have no access neither to public water network not to green-open spaces increasing the physical and social fragmentation in the city.

Hence the Lima Ecological Infrastructure Strategy (LEIS) intends to reorient unsustainable urban development through landscape planning and design integrating the urban water cycle into the open-space framework. Thus were developed in a participative way three fundamental components: (1) water sensitive guiding Principles towards a water sensitive urban planning approach; (2) GIS based spatial analyses which connects a multidisciplinary approach integrating water, green-open spaces and urban growth, and (3) Water Sensitive Urban Design solutions as a way to create lively and beautiful multifunctional open spaces.

Applying LEIS sustainable green-open spaces systems can be created increasing ecosystem services while at same time improving the quality of life for all.

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