

Keynotes

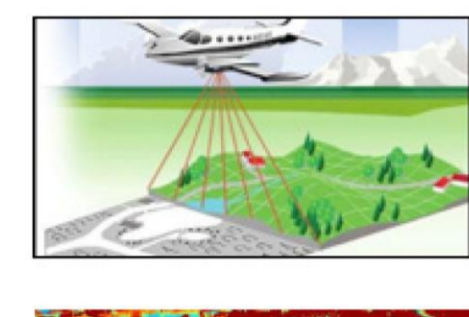
National and International Experiences

Risk assessment towards climate proof territories and adaptive governance

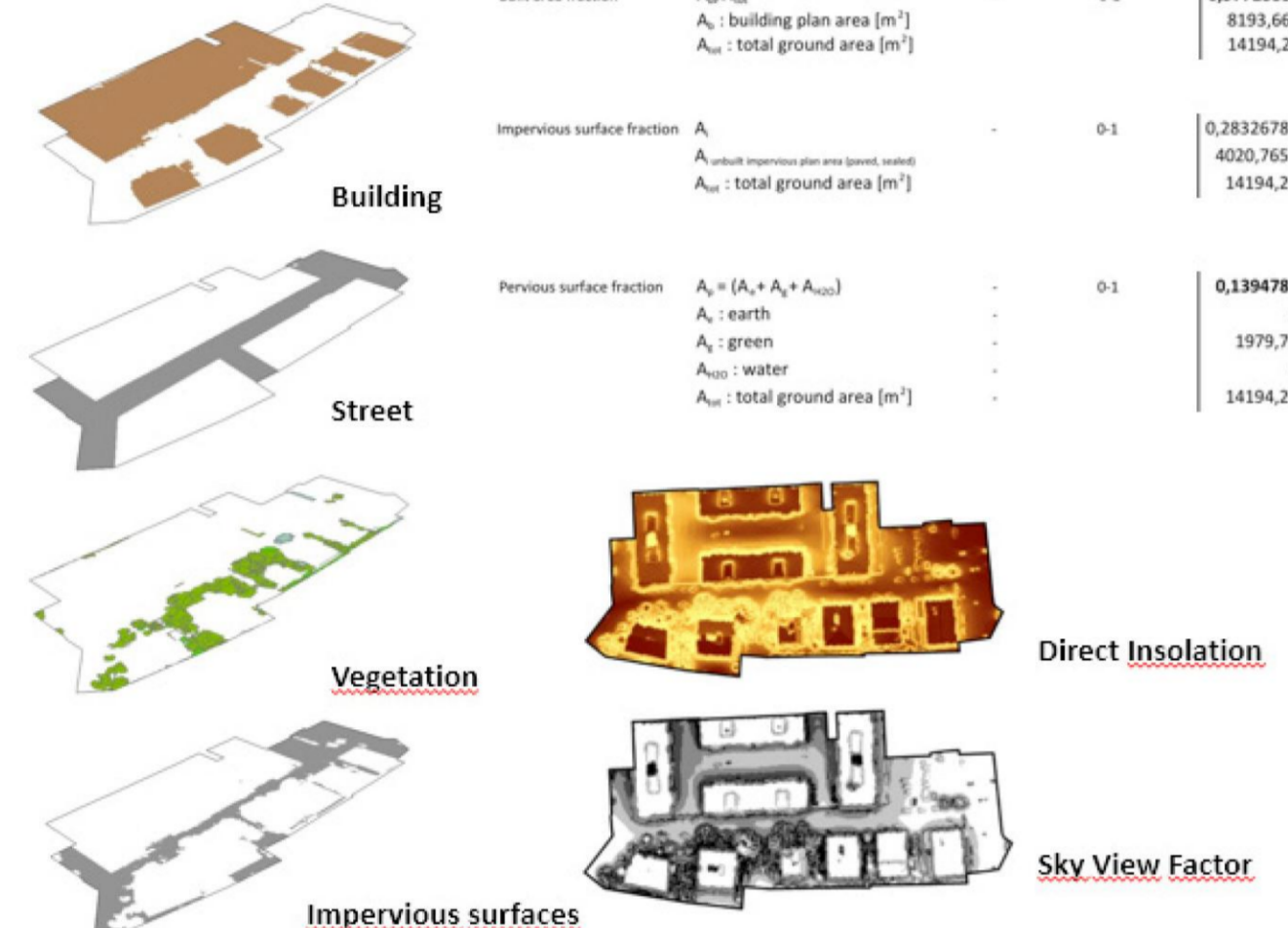
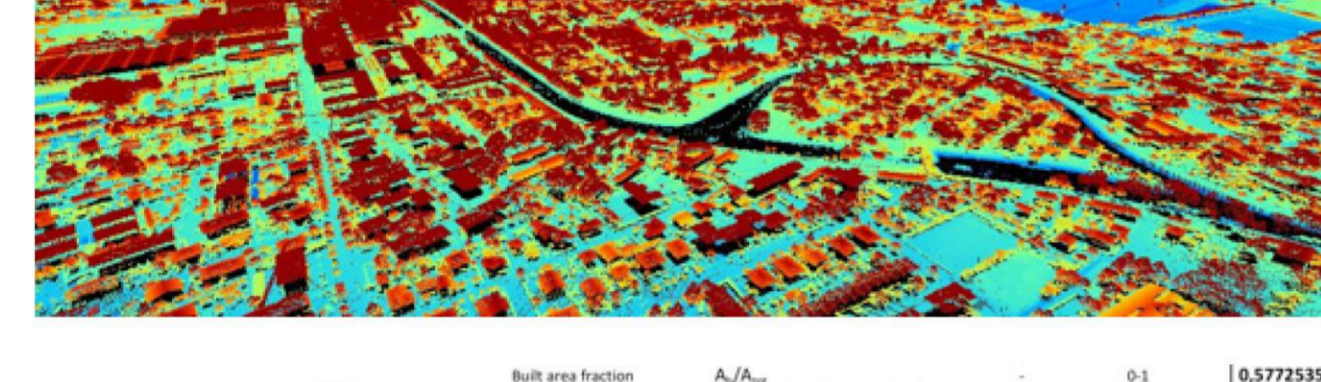
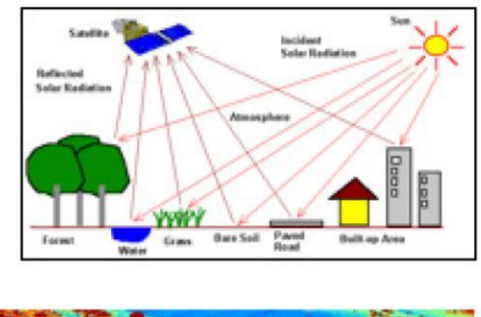
Climate impacts

Datas collection

Dense image matching

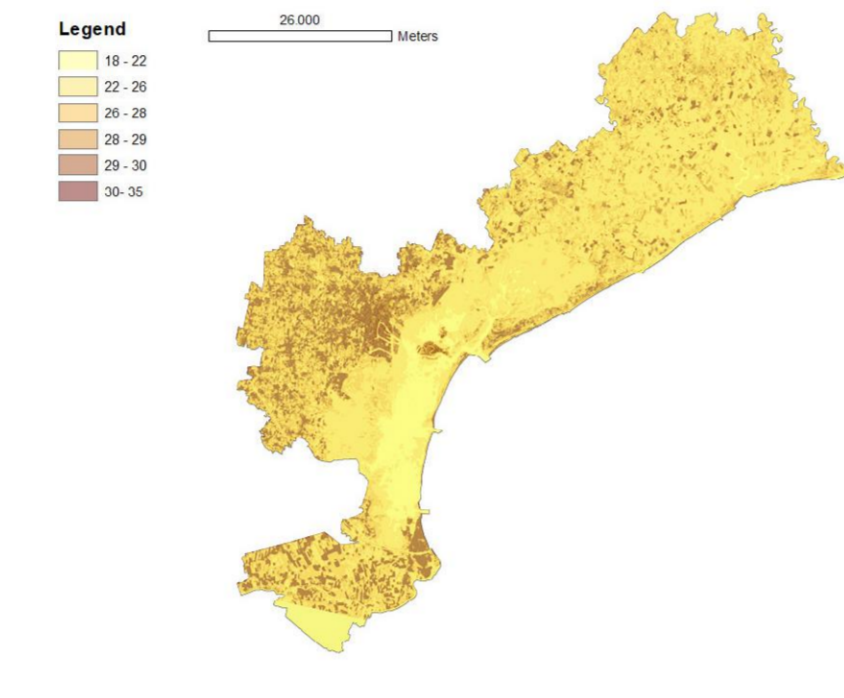


Orthophoto

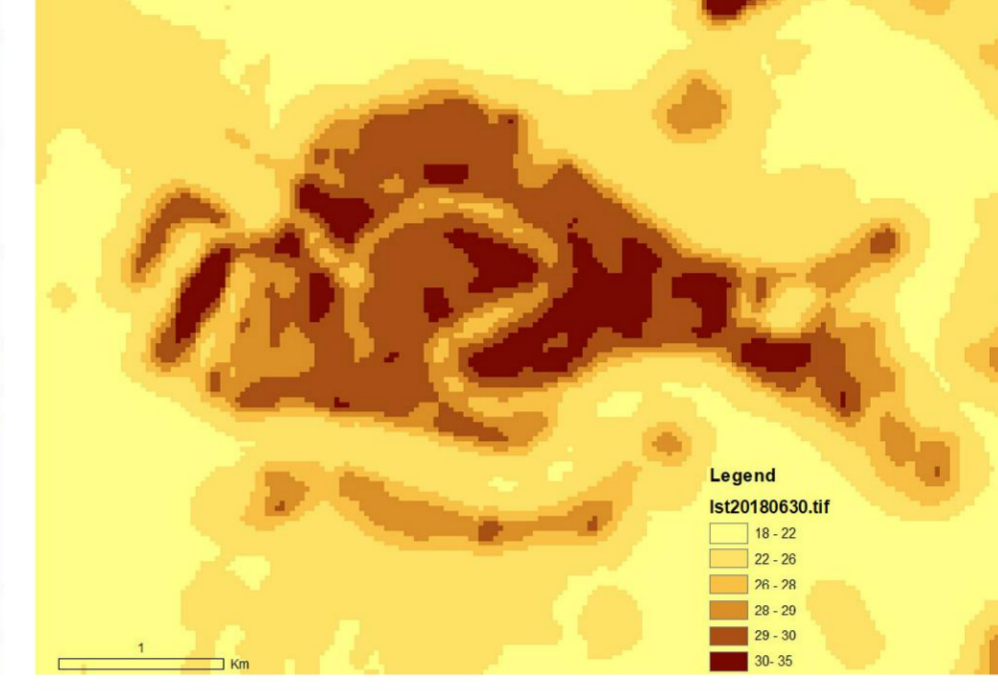


Territorial analysis in Venice

UHI Analysis of the Metropolitan City



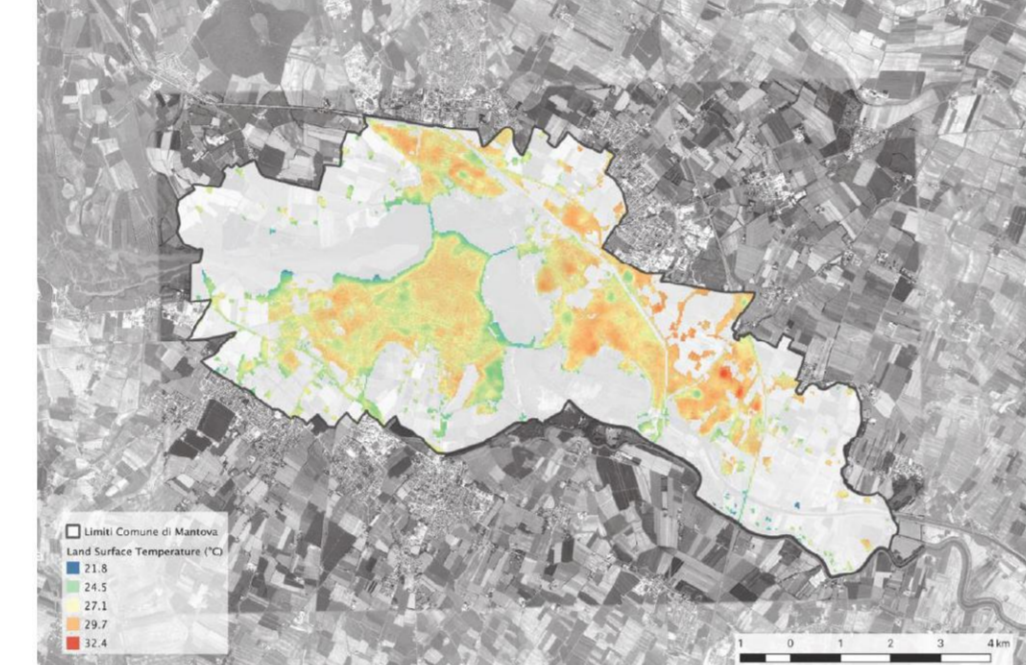
Focus on Venice: Urban Heat Island in the historical centre



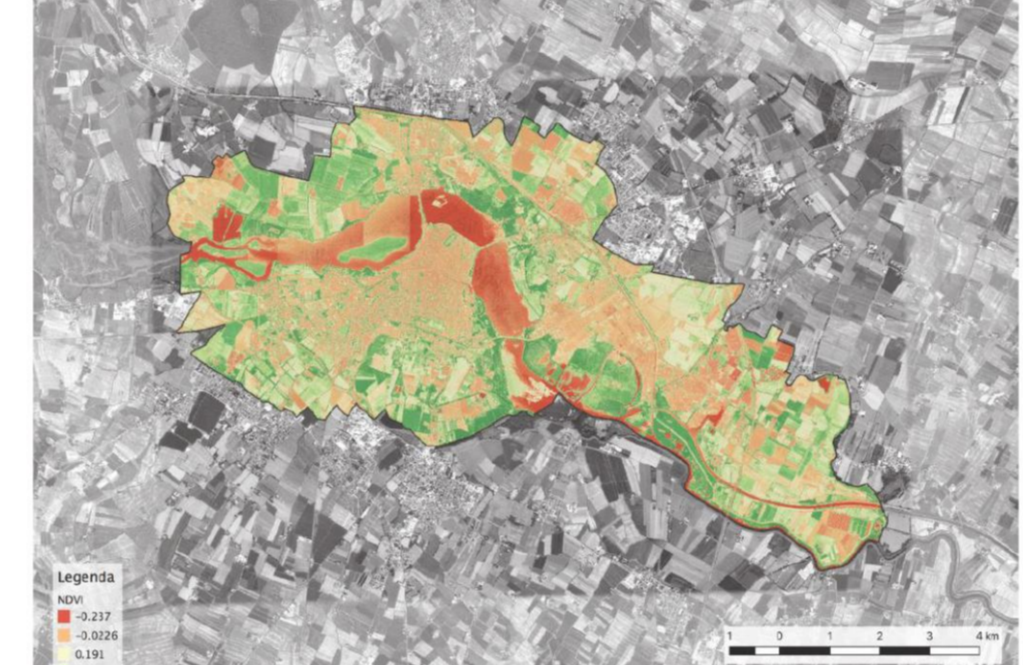
credits: LIFE Master Adapt

Territorial analysis in Mantova

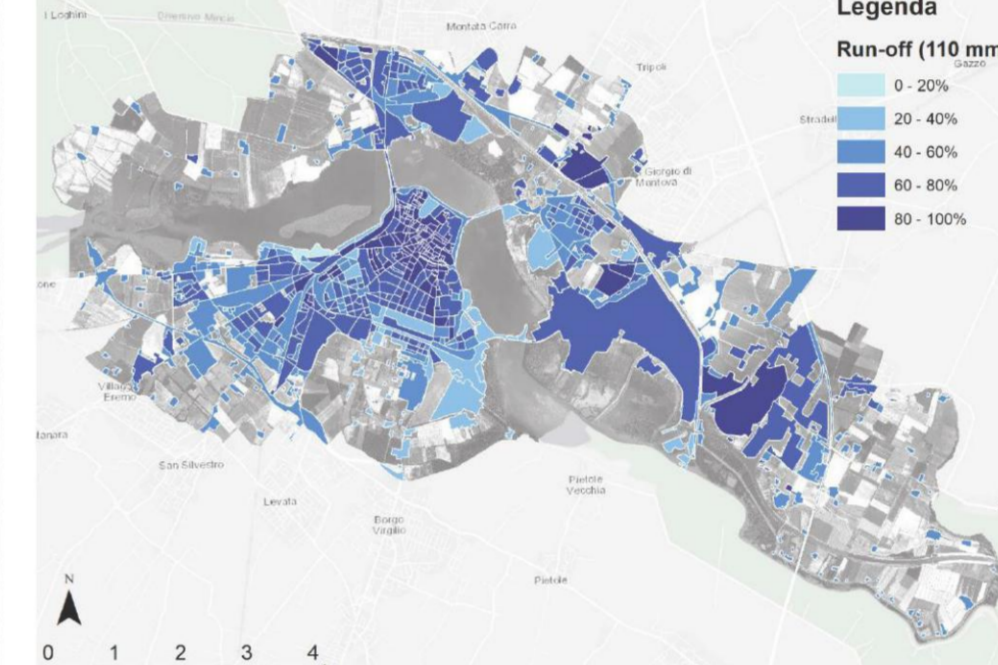
Land Surface Temperature



Normalized Difference Vegetation Index



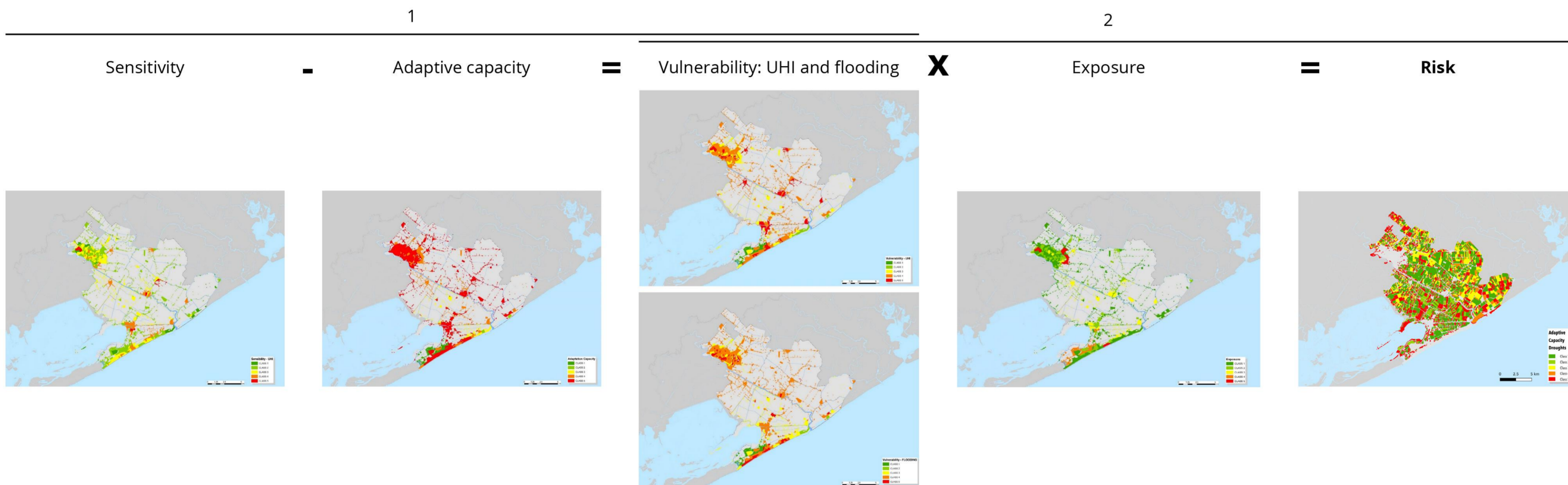
Run-off vulnerability



credits: Mantova Resiliente

Risk assessment

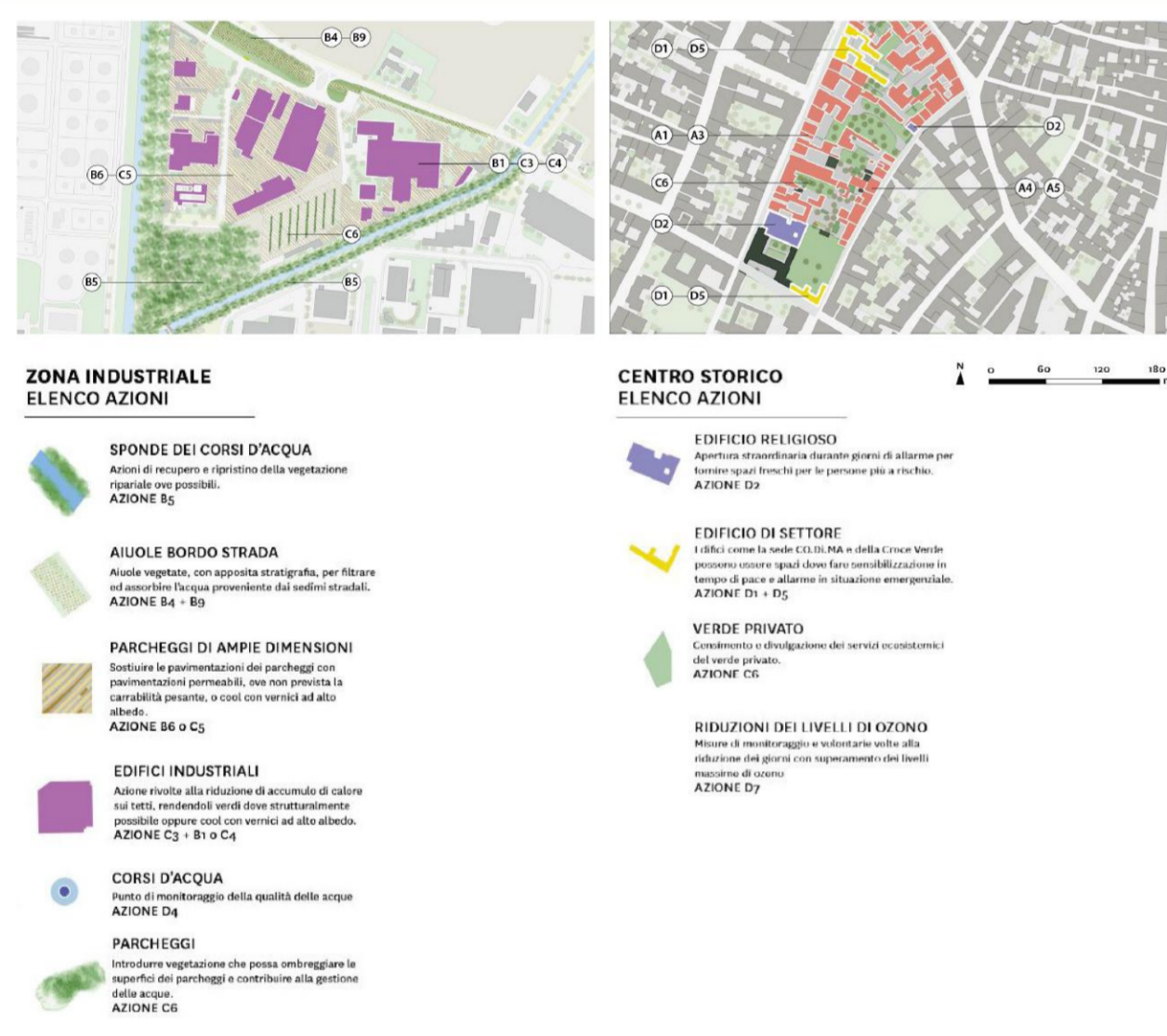
Focus on the mainland of Metropolitan City of Venice: municipalities of Jesolo, Eraclea, San Donà di Piave



credits: LIFE Master Adapt

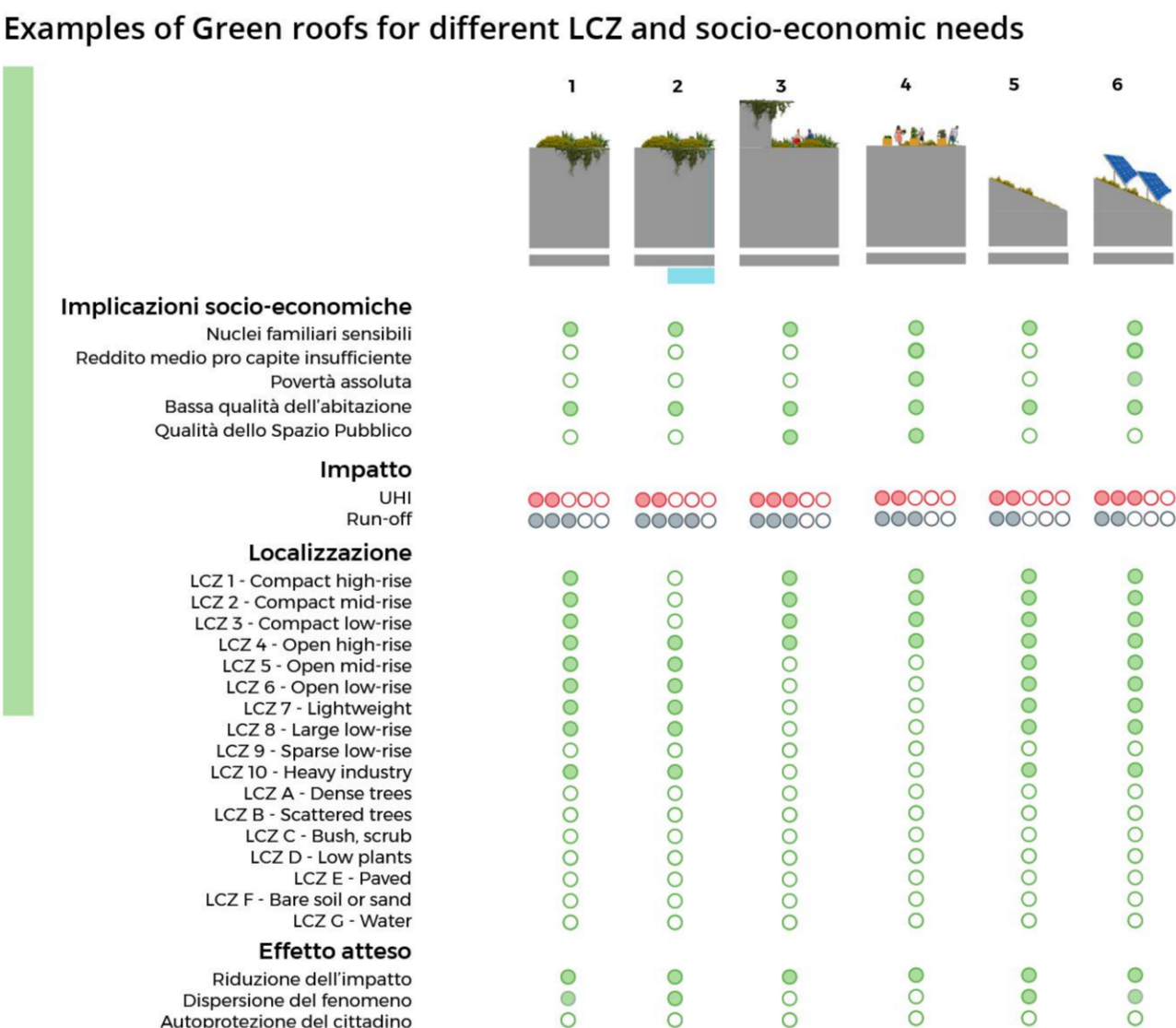
Adaptation solutions

Climate proof masterplans Mantova



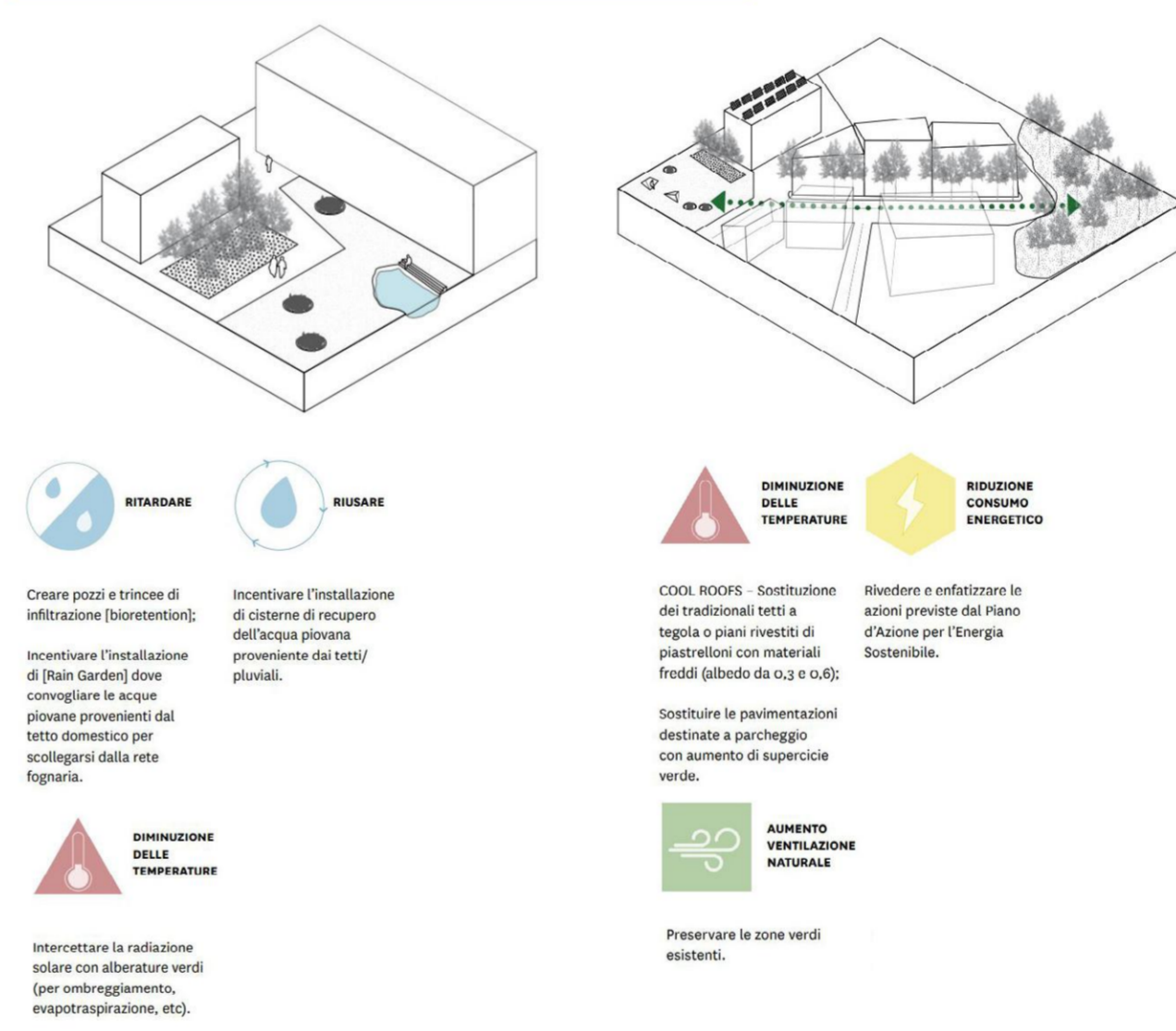
credits: Mantova Resiliente

Abacus of measures Milan



credits: CARIPLO 2

Action proposal Padua



credits: Padova Resiliente

Implemented actions Reggio Emilia



credits: LIFE Urban Proof

Abstract

Differently from what happens for mitigation actions, which acts on a vast scale, adaptation processes and projects must be localized and site specific. Because of this, the luav University of Venice, through the Planning & Climate Change LAB, has developed a series of skills to study physical and social properties, also with new technologies, to identify the real vulnerability of a place and the risk for the population that lives in that territory. Based on this analysis, different scale actions are then proposed in different urban areas to respond to various impacts, both through the mainstreaming of policies, and with concrete modifications of urban environments towards a more climate proof and resilient territories and a more conscious and sustainable planning and governance.

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