Conceptual model and concrete projects for Urban Regeneration

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Preconditions for urban regeneration

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Run-down assets to new life

Projects and investments aimed at re-using rundown assets. In this way new functions are given to significant areas of the cities.

Zero land consumption objective

Urban renewal includes phisical redevelopment of industrial, public or residential buildings, as well free areas within urbanized areas. The ultimate aim is <u>not</u> to expand construction in rural or natural areas on the edges of cities

A comprehensive approach

Urban Regeneration is a comprehensive approach that merges vision and action in view of trasforming <u>deprived urban areas</u> into <u>Eco-settlements</u>

An Eco-friendly way to revalue dead asset

The area before the intervention is an <u>inert asset</u>, through the assembly of a project, with the related investments, is transformed in a <u>living area</u> of the city <u>without wasting new territory</u>

The different types of urban regeneration

ECONOMIC REGENERATION

Interventions aimed at the setting up of companies or tertiary <u>headquarters</u> for urban development and employment growth

ENVIRONMENTAL REGENERATION

Creation of <u>parks</u>, cycle paths, sports areas and new rurality in abandoned and degraded areas. Interventions for recycling plants, <u>energy</u> production from renewable sources

RESEARCH AND UNIVERSITY

Areas dedicated to research, innovative business parks, data centers. <u>University</u> campuses connected to research centers or hospitals

HOUSING & SOCIAL REFENERATION

Revitalization of abandoned areas located in suburbs and urbanized areas through the localization of <u>carbon-free residences</u> and <u>services for social life</u>

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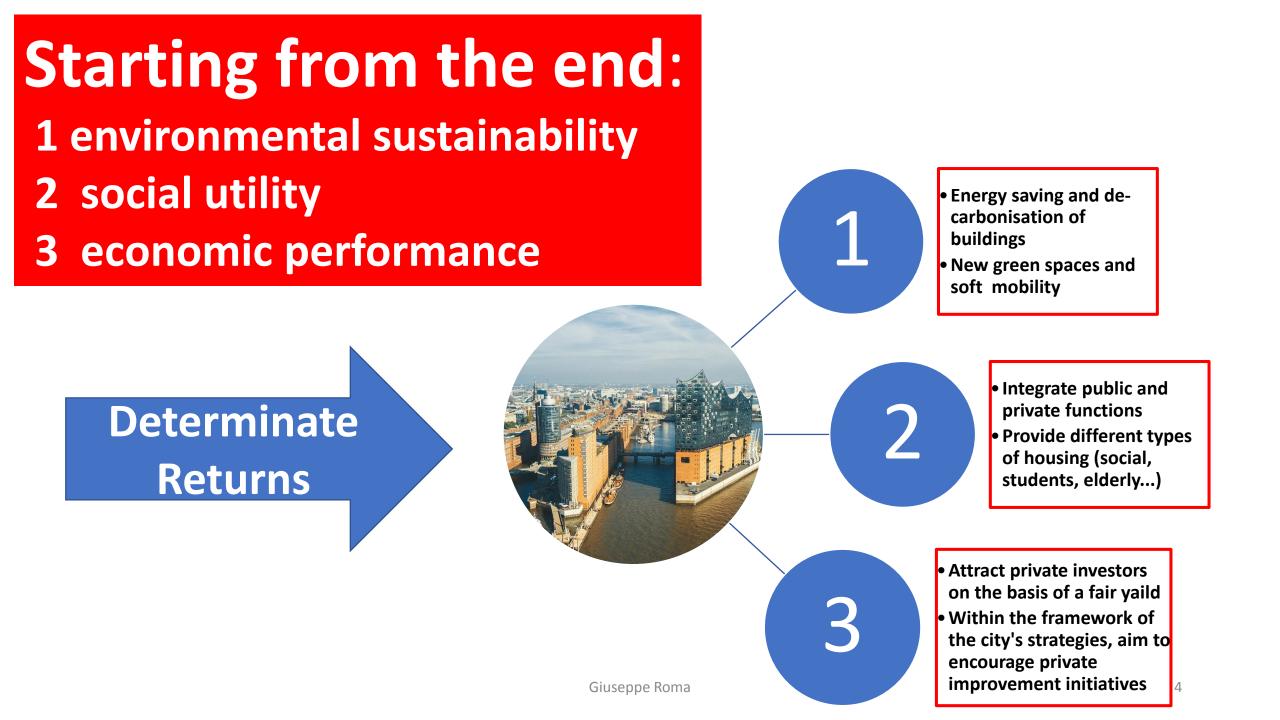
HERITAGE REGENERATION

Recovery of <u>historic centers</u> (especially in medium-small cities - or valuable architectural and cultural sites

INFRASTRUCTURE REGENERATION

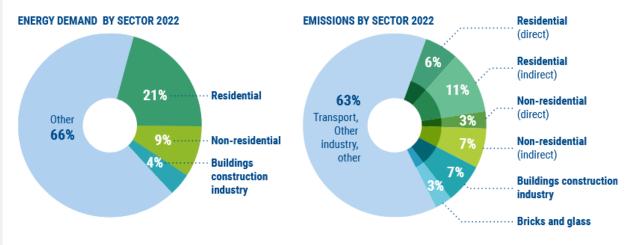
Interventions in abandoned areas belonging to disused infrastructures (railways, power plants...) converted into <u>mobility hubs</u>

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36% of global Co2 emissions depend on buildings

Figure 1 Share of buildings in total final energy consumptions in 2022 (left) and share of buildings in global energy and process emissions in 2022 (right)

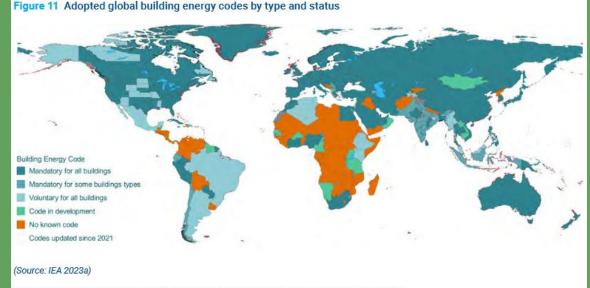


(Source: IEA 2023a. Adapted from 'Tracking Clean Energy Progress')

Our Cittaslow are largely made up of buildings on which local governments must intervene to reduce energy consumption and emissions

Modernize Building Codes

- Requirements for energy efficency envelopes and energy systems
- Buildings equipped with smart meters, sensors and user control technologies
- On-site renewable energy systems
- Smart electric Vehicle charging



Notes: Countries with dark 'red' outline have adopted updated building energy codes since 2021

ECO BONUS Energy efficiency buildings Tax deduction on expenditure

Windows, biomass or condensing boilers Class A 50%

Global renovation of the buildings/ Insulation / Micro Generators Building automation 65 %

Interventions on common parts of condominium buildings from 70% to 80%

Interventions for seismic risk 85%

Renovation of the building facades 60%