

Regeneration of urban centers – climate as a planning instrument

Summary

The research proposal aims to investigate the process applicable to the phenomenon of urban regeneration in city centres, in special the cases of the Vilas Operárias.

The increasing impact of climate on the built environment may suggest that in regeneration processes, the climate has to be considered an instrument to support the process.

The climate we expect to have and the weather we have led to the necessity of analysing and evaluating the urban transformation. The value of the data provided by the climate simulations can be a strong input in the design phase.

The search for a more flexible result that supports the regeneration of urban centres makes it possible for cities to be prepared for the impacts of climate change on the built environment and not provide better and more comfortable urban spaces.

Keywords

Urban regeneration, urban centres, climate data, simulations tools.



The Square and Villa – the impact and value transformation of built environment.



PhD student

João Maria da Costa de Sousa de Macedo Schedel

PhD program

Architecture (IST, University of Lisboa)

Supervisor

Miguel Amado (CERIS, IST, University of Lisbon)

Co-supervisor

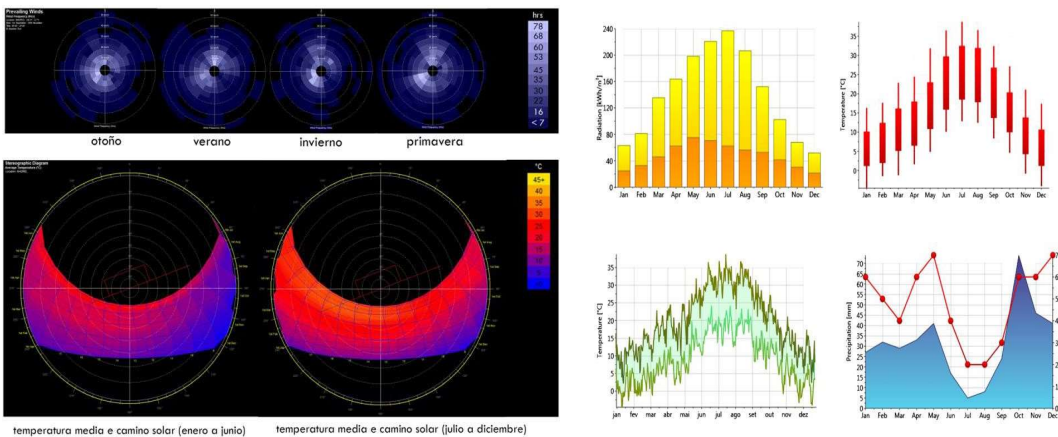
Filipa Monteiro (FA, University of Lisbon)

Period

2016-2024

Funding

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Temperature and wind analysis in the space (left), and analysis: Wind, pressure, radiation and rain (right).