



BEAUTIFUL,
SUSTAINABLE,
TOGETHER:

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SUPERHERO (LIFE19 CCA/IT/001194)

SUSTAINABILITY AND PERFORMANCES FOR HEROTILE-BASED ENERGY EFFICIENT ROOFS

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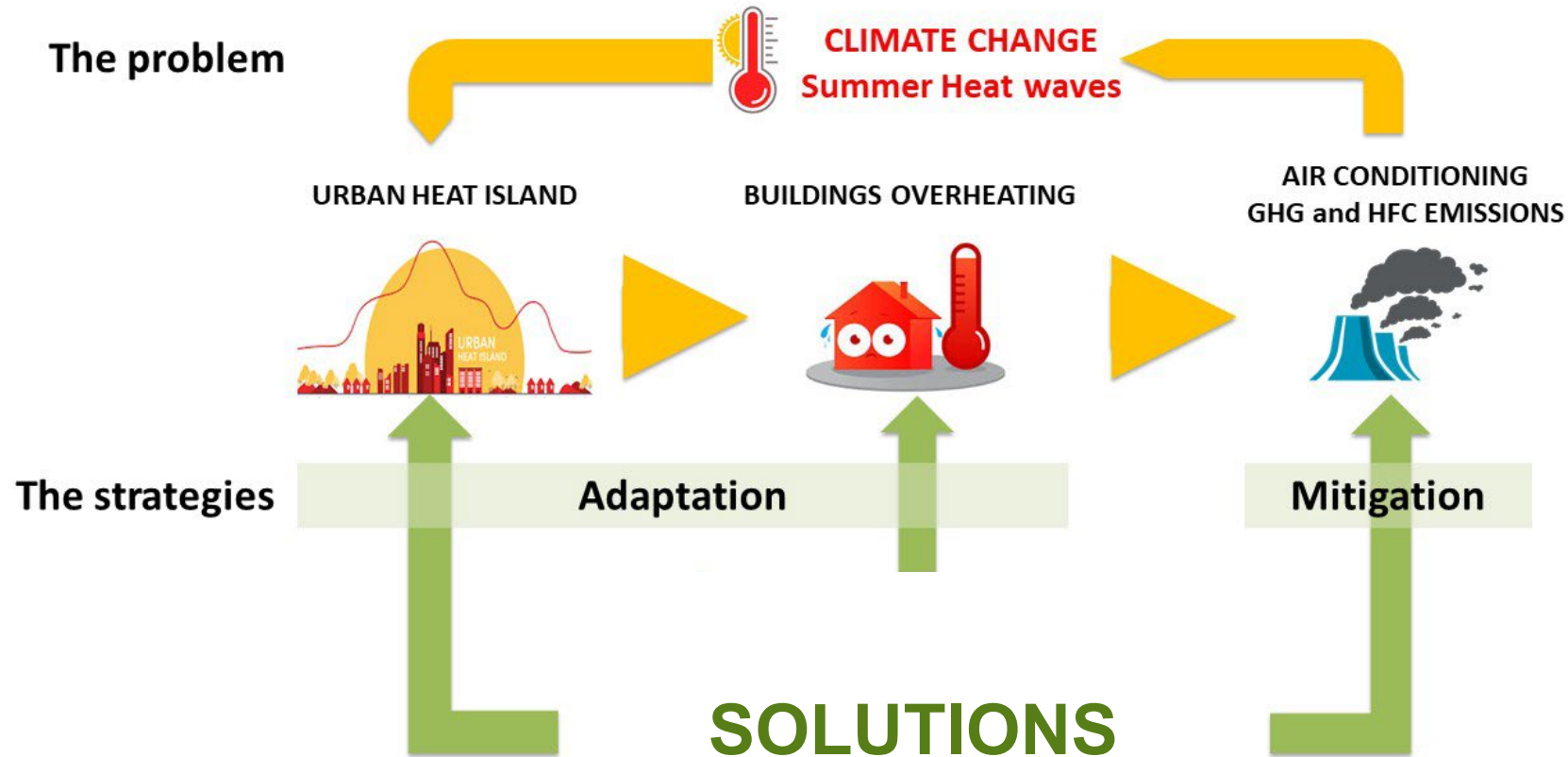
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THE PROBLEM TARGETED



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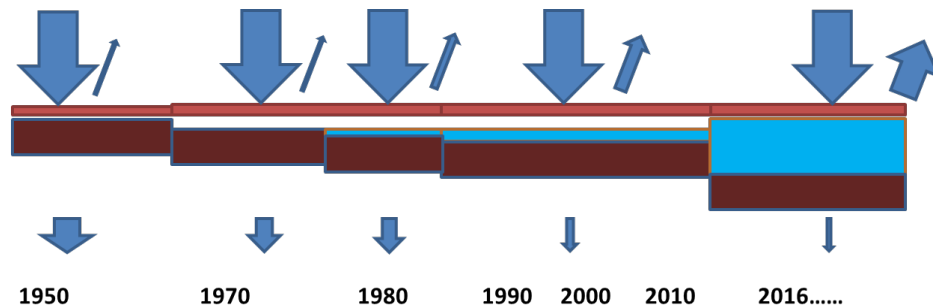
CONSOLIDATED APPROACH ON UHI REDUCTION

Actual EU policies / BRS / BGPP

UHI



Building energy saving



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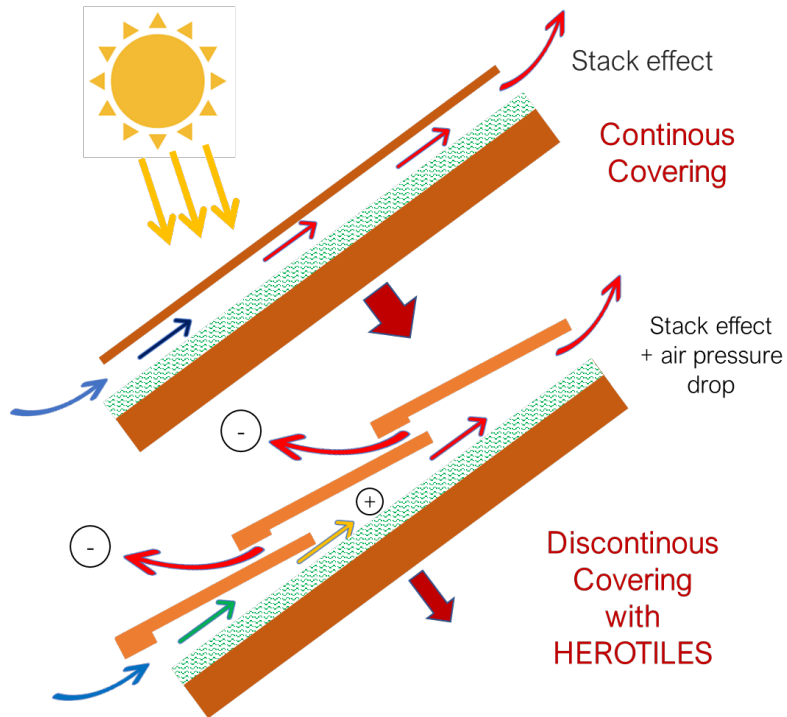
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THE NEW SOLUTION PROPOSED: VPR - HEROTILE BASE ROOF



The use of **Ventilated and Permeable Roofs (VPR)** is the most sustainable and promising strategy to reduce building **overheating**. A vented roof can be obtained through an air space between installed roof covering and the roof sheathing. This space reduces heat transfer and allows heat to dissipate from the sheathing and roofing materials.



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BENEFIT OF CLAY TILES VENTILATED PERMEABLE ROOF (VPR)

Among building passive cooling solutions, the use of **ventilated and permeable roofs** is an **efficient** and **sustainable** strategy:

- For the reduction of external roof covering temperature → UHI
- For the reduction of internal temperature and incoming heat fluxes → cooling energy
as demonstrated by LIFE HEROTILE

This is obtained through **low cost** , **low maintenance** **durable and sustainable materials**



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THANK YOU!

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<https://www.lifesuperhero.eu>



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