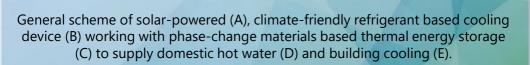


AN INNOVATIVE SOLAR-POWERED COOLING DEVICE, BASED ON CLIMATE-FRIENDLY REFRIGERANT AND THERMAL ENERGY STORAGE LIFE20 CCM/PL/001607

E



PROJECT LEADER

PROJECT PARTNERS





The COOLSPACES 4 LIFE project (LIFE20 CCM/PL/001607) is financed by the European Commission under the LIFE Programme and co-financed by the National Fund for Environmental Protection and Water Management (2244/2021/WN01/OA-PO-LF/D)



UNIVERSIDAD DE ALMERÍA

Hederahelix

National Fund for Environmental Protection and Water Management

Wrocław University of Science and Technology

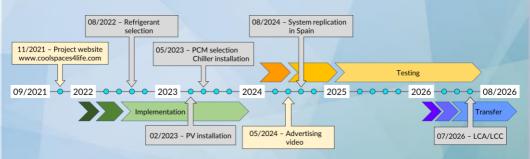


B



Objectives

- Reduction of greenhouse gases emission.
- The search for the most suitable heat storage material.
- The optimization, control and metering of the novel building cooling system.
- Demonstrating the potential of the system in Poland and Spain.
- Application of Life Cycle Assessment and Life Cycle Costing analysis.



Expected technical results

- Reduction of CO2 emissions.
- Reduction of primary energy consumption by at least 60%.
- Use of as an climate-friendly refrigerant rather than conventional refrigerants.
- Design, execution and testing of an innovative prototype.
- Geographical replication of the prototype in Spain.
- Development of a highly exploitable product applicable Europe wide.

www.coolspaces4life.com