

# NEWS HEATLAND



## HEATLAND

**Pavimento para la reducción del efecto isla de calor urbana**

**Innovative pavement solution for the mitigation  
of the urban heat island effect**

**PROYECTO COFINANCIADO POR EL PROGRAMA LIFE**

ADAPTACIÓN AL CAMBIO CLIMÁTICO

**PROJECT CO-FINANCED BY THE LIFE PROGRAM**

**ADAPTATION TO CLIMATE CHANGE**

**Proyecto Heatland Life - LIFE16 CCA/ES/000077**



UNIÓN EUROPEA



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## Impact on society

Many local, regional and national media have showed interest in the progress of LIFE HEATLAND project and have interviewed our technicians.

Highlights:

a) Appearance on the TV news on 12th June 2020

Link: <https://youtu.be/el2eCISZuVI>

b) New interview by Murcia Conecta on 11th June 2020

Link: <https://youtu.be/ONIBYXhYBIO>

c) Report by Nius Diario

Link: <https://youtu.be/HWq3qC2fRJs>



## Maintenance tasks and posters placement

In summer, our technicians have carried out maintenance tasks on the measuring towers, such as cleaning the optical sensors.



In addition, informational posters have also been installed in the area.



## The councilor for Urban Agenda and Open Government visits the implementation area

In June, the councilor for Urban Agenda and Open Government of the Murcia City Council, Mercedes Bernabé, visited the implementation area to see the evolution of the asphalt and know about the latest results.



## Meeting with the Economic Development and Innovation Agency of Valladolid

On 30th July, the coordinator of LIFE HEATLAND, Francisco Moral, met with Alicia Villacín, who is the person in charge of the H2020 Urban GreenUp project (<https://www.urbangreenup.eu/>), at the Valladolid City Council. They could exchange experiences in mitigating climate change.



## Participation in the workshop about innovative solutions organized by the LIFE REFIBRE project

On 30<sup>th</sup> July, we participated in the workshop "Innovative Solutions in Pavements" organized by the LIFE REFIBRE project at the headquarters of the Innovative Efficient Construction Business Group (AEICE) in Valladolid where we were able to explain the objectives of the LIFE HEATLAND project and show the results obtained.



## Cleaning tests

One of the challenges with this reflective asphalt is to preserve its original properties. As time passes, the rubber from tires and environmental contamination have been deposited on its surface.

In September, we carried out the first cleaning tests both with a brush and with pressurized water, obtaining awesome results.





### Results 2020

The results obtained so far demonstrate the effectiveness of cool pavements as a mechanism for reducing the Urban Heat Island effect:

- The luminance of streets with cool pavement is  $2.5 \text{ cd} / \text{m}^2$ , 150% higher than conventional asphalt streets.
- The solar reflectance of streets with cool pavement is 30%, almost four times higher than that of conventional asphalt.
- The average temperature of the cool pavement surface is between  $7^\circ\text{C}$  and  $11^\circ\text{C}$  lower than that of the conventional pavement surface.
- The areas of the asphalt where tire rubber has been deposited as a result of the rolling of vehicles become between  $1^\circ\text{C}$  to  $3^\circ\text{C}$  hotter than clean areas.
- The ambient noise level in the area is 3 dB (A) lower.



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