Multimodal and cycling platform adapted to climate change





To request the full technical paper on the design of this pilot action, please email **lifecityadap3@fmrm.es**

ATUNTAMIENTO DE MOLINA DE SEGURA

Ayuntamiento de Alcantarilla Lorquí

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EUROVÉRTICE

Multimodal and cycling platform



DESCRIPTION OF THE ACTION

- **Pedestrian walkway** formed by modular concrete flooring with a great drainage capacity. High-strength concrete with siliceous, granite or basaltic aggregates. 20 % recycled material. Photo-catalytic component capable of decontaminating the air from nitrous oxides and other pollutants.
- **Cycling platform executed** by continuous pavement of porous concrete for outdoors, which incorporates arid photoluminescent. Arid photo-luminescent in areas where artificial lighting is non-existent or deficient.

Both floorings placed on a base layer of filter granular material selected on a geotextile geolayer, for the natural filtration of water into the soil.

• Floodable flower beds with native species to reduce the heat island effect: *Morus alba, Celtis australis, Ceratonia siliqua, Lavandula dentata, Myrtus communis, Salvia rosmarinus* "Urban trees" of wood in areas where it is not possible to incorporate vegetation.

Platform with 2 % slope towards the flower beds so that the surface water that cannot accumulate and does not filter, reaches the flower beds. The excess water is collected through a drainage system and is driven to nearby flood gardens.

IMPACTS

You can consult the data related to the humidity of the asphalt, the use of the bike lane and the weather data of the platform environment in real time at the following link:

Accentarilla Torquí 🗿 Molina de Segura 🕮

UNITERSION DE

https://life-alcantarilla.hopu.eu/d/5ESgCvF4z/menu-principal?orgId=1

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IMPACT OF THE ACTION

The **porous concrete** of the platform has proven its **efficiency in the face of rain**, with a high drying speed, which makes it more resilient.



heavy rains recorded in May 2023.

The efficiency of the pavement has been **verified** through permeability tests and also after the



Lorquí

Ayuntamiento de Alcantarilla

There has beenan increase inClimbike lane userswoofrom January tosurfSeptember 2023,

although with less use during the summer months.

Further efforts will be made to promote sustainable mobility in order to continue the positive trend. Climbing **plants have been placed accompanying** the wooden structures, which has **increased the shade surface and** therefore, its function has been improved.



AYUNTAMIENTO DE MOLINA DE SEGURA

