

Rehabilitation of the hills (Cabezos) of Lorquí



LIFE **CITYADAP3**

Lorquí (Spain)

248,017.08 €

6 months

CO-FINANCING COMPANIES



MAIN OBJECTIVES

1

Implement **methodological and innovative nature based solutions** to adapt the territory of Lorquí to climate change

4

Rehabilitate a cave house recovering traditional systems updated, economical and easy replication, which serves as an example to reverse the tendency to abandon the hills

2

Mitigating the effects of climate change on the hills urban areas with **the support of local businesses and their social responsibility**

3

Stop the erosive and degenerative process of the Lorquí hills

5

Improve the urbanisation standards of the area

6

Stabilise pending

CLIMATE RISKS ADDRESSED

- Extreme weather processes: heavy rains and consequent runoff
 - Extreme heat
 - Landslides

To request the full technical document on the design of this pilot action, send an email to lifecityadap3@fmr.es

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DESCRIPTION OF THE ACTION

- **Rehabilitation of the cave house “Las Trillizas” and its surroundings in the Cabezo de Las Polacas:** Innovative recovery of traditional brick tabulated vaults as a system of economic structural reinforcement and easy replication. Use of mortars and lime concretes in vertical and soldered walls due to their lower carbon footprint and greater global sustainability. Reuse of the own lands extracted from the interior of the cave house to improve the upper lands. Installation of sensors to confirm the bioclimatic advantages of a cave house.
- **Conditioning of Cuesta del Catecismo Street in the Cabezo de Las Polacas and the viewpoint of Cabezo de la Ermita and its accesses:** replacement of concrete mutts or blocks with gabion walls. Replacement of gunite in slopes by geogrids or geocells and plantations by native species. Sealing of the road by hot bituminous mixture. Installation of furniture and wooden shades. Replacement of luminaires with other solar.

Impacts (monitoring results)

You can consult the data regarding the barometric pressure, the temperature (in sun and shade) of the heads and the temperature outside and inside the cave at:

<https://ayuntamientodelorqui.es/sensores-meteorologicos/>

Soon, we will analyse the benefits of the works at the local level

