

Project financed by the European Union and coordinated by the Government of Aragon



PARTNERS

Spain

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Universität Stuttgart





LIFE SURFING "SURFactant enhanced chemical oxidation for remediatING DNAPL" LIFE17 ENV / ES / 000260

2,081 M € TOTAL BUDGET

1,182 M € EU FUNDING

60 MONTHS DURATION 2019-2023

Bailín Aragón , España

The LIFE SURFING is a

demonstration project, financed by the European Union within the framework of the LIFE Programme and coordinated by the Government of Aragón (Spain).

THE PROJECT

The LIFE SURFING project is a demonstration project lasting 60 months, financed by the European Union within the framework of the LIFE Programme and coordinated by the Government of Aragon (Spain).

Life Surfing Partner Countries

HCH contaminationConfirmedNot confirmed

It addresses the environmental problems related to lindane contamination in the Bailín ravine (Sabiñánigo, Spain), where a decontamination technique based on the joint use of oxidants and surfactants will be implemented to remove dense non-aqueous phases (DNAPL) in a fractured aquifer.

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Life surfing

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OBJECTIVES

- Adapt and improve surfactant enhanced extraction (SEAR) and surfactant and oxidant co-extraction (SISCO) techniques for application in fractured media with dense, non-pumpable phases.
- To reduce the risk to health and the environment, generated by POPs at such sites.
- Analyse the large-scale feasibility of these techniques from a technical, economic and environmental point of view, as well as the replicability and transferability to any other location affected by dense phases of multi-component organic pollutants.
- Raise awareness of this type of contamination, and create a network to share, exchange and transfer knowledge and experiences between projects related to spaces affected by organochlorine compounds and other POPs.



During LIFE SURFING



SURFING TEST

The test aims to demonstrate the feasibility in the field of a remediation technique that combines surfactants (industrial soaps) and oxidants for the removal of residual dense non-aqueous phase (DNAPL) in a fractured aguifer.

At the same time, it is intended to demonstrate the possibility of replicating and transferring these methodologies to other sites with granular media and various types of DNAPLs.



Life Surfing test area

