

«Responsible reduction of nitrates in the comprehensive water cycle – LIFE LIBERNITRATE»

PROJECT LOCATION: La RIBERA region (València  – SPAIN)

BUDGET INFO:

Total amount: 2,354,292 €

% EC Co-funding: 1,412,573 €

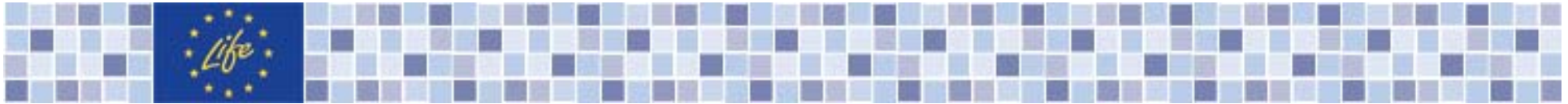


DURATION: Start: 01/10/2017 - End: 30/09/2020

PROJECT'S IMPLEMENTORS:

Coordinating Beneficiary: Consorci de la Ribera

Associated Beneficiary(ies): UPVLC, Aguas de Valencia SA, DIVAL, Stichting Incubator, UNIGE, UNIO, UVEG.



OBJECTIVES & SCOPE:

AIM to reduce the concentration of NO_3^- in the comprehensive water cycle by using an integrated & innovative approach based on the use of an adsorption bed made of active silica obtained from controlled burning of rice straw ashes.

MAIN OBJECTIVES:

1. To validate a prototype to produce silica.
2. To validate prototype of preparation of active silica beds.
3. To implement an awareness procedure for farmers to promote nitrates reduction in origin.
4. To incardinate the project in the general policies of the EU and promote specific lines in Operational Programmes.



EXPECTED IMPACTS

Indicator	Project end	Beyond p.e
Waste reduction (rice straw)	3.9 t/y	18.5 t/y
Improved water quality	9,584 m ³ /y	9,154,200 m ³ /y
	<45 ppm	-30%
Energy consumption reduction	1.1956 kWh/m ³	-99.63%
Employment	4 (D) + 3 (I)	67 (D) + 82 (I)
Replication/transfer	2 + 2	137