



DigiEduHack Solution
Lisbon - Hack The Food System
Challenge: Lisbon - Hack The Food
System Challenge 2020

R O W - Reduce Olive Mill Waste

A Circular Waste Solution

In olive mills, the discharge of effluents into the environment involves social, environmental and economic challenges. Platforms able to share research data in real time assume a great importance to HEI's.

Team: Group 2

Team members

Rita Estácio; Rosângela Soares ; Susana Campos; Ana Soares; Alexandra Ribeiro

Members roles and background

Rita Estácio Industrial Engineer Project Manager

Rosângela Soares Educacional manager Researcher

Susana Campos Development, Societies and Territories Researcher

Ana Soares Biologist Researcher

Alexandra Ribeiro Lawyer Services director

Contact details

claudia.carocha@bgi.pt

Solution Details

Solution description

Product "Olive Biochar" and "olive irrigation water"

Tool Rowdataplatform

Solution context

Through the extraction of olive mill biochar it is possible to treat wastewater and reuse it for irrigation of olive groves and other crops. Data from biochar extraction and olive water mill treatment could be shared in the platform

Solution target group

Producers; farmers; stakeholders; HEI's;

Solution impact

Environmental, Social and Economic positive impacts

Solution tweet text

With our solution we can produce biochar as an answer for the olive mill wastes and new application to this product give based on a circular solution. Improve education by data sharing in our platform

Solution innovativeness

Olive mills biochar promote circular economy and link management waste to water treatment. The sustainability of the process has a social, economic, educative and positive environmental impact

Solution transferability

Different geographical areas; Different production contexts (e.g. wine sector)

Solution sustainability

Industry: Pilot project (1 company; 1 olive mill; 2 olive variety "Verdial" and "Cobrançosa")

Education: Data shared on the platform can help to implement the solution globally

Solution team work

We already are a team; Yes, because we are a multidisciplinary team, this have many benefits like improved outcomes and more efficient use of resources