Essential Operative Group



Search for pilot areas, biomass sampling and extraction preparation

Extraction of essential oils and hydrolysis of biomass

Characterization of compounds present in essential oils and residual hydrolyzed biomass

In progress

(Expected results)

Development of innovative biofuels and bioproducts from forest biomass with little or no use as bushes and forest treatment residues through state-of-the-art techniques applied throughout the value chain.

To define the best management, harvesting techniques and forestry treatments for rockrose, juniper, rosemary, pine and eucalyptus. Selection of pilot action areas.

To develop a prototype of continuous extraction of essential oils using microwave technology.

Production, analysis and testing of products in the laboratory and in the field: biocides, solid biofuels (pellets) and liquid biofuels (ethanol).

DETAILS

ORIGIN OF WOOD

--

TYPE OF WOOD

--

KIND OF WOOD CONCERNED

Shrubs

IMPACT ON ENVIRONMENT & BIODIVERSITY

Good

INCOME EFFECT

Expected low

EXPLOITATION POTENTIAL

--

HUB

--

ECONOMIC IMPACT

Expected low

SPECIFIC KNOWLEDGE NEEDED

-

MOBILIZATION POTENTIAL

-

SUSTAINABILITY POTENTIAL - VALUE

--

EASE OF IMPLEMENTATION

Difficult

EASE OF IMPLEMENTATION - EVALUATION

--

KEY PREREQUISITES

--

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

--

JOB EFFECT

Expected low

COSTS OF IMPLEMENTATION (EURO - €)

--

MORE DETAILS

CHALLENGE ADDRESSED

--

DOMAIN

Forest management, ecosystem, resilience

Wood energy industry

TYPE OF SOLUTION

--

KEYWORDS

--

DIGITAL SOLUTION

No

INNOVATION

Yes

COUNTRY OF ORIGIN

Spain

SCALE OF APPLICATION

National

START AND END YEAR

2019 - 2021

CONTACT DATA

OWNER OR AUTHOR

jolivar@agresta.org

REPORTER

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

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