

Boosting rural bioeconomy through feasible practices. 8 CASES FROM SPAIN & PORTUGAL



WEBINAR

BRANCHES

JUNE · 29 :: 10 -12H

Event organised by:

Through the project:



INtercamBIOM

*The National
Thematic Network
of BRANCHES
established in Spain*



This Project has received funding from the European Union's 2020 research and innovation programme under grant agreement 101000375.

ORGANISED BY



Funded by
the European Union

PARTICIPATE



Trinity Mander Biocarbon Solutions
TrinityBiocarbon™

SUPPORTED BY

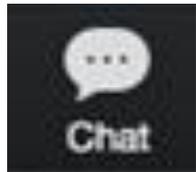




June 29th: de 10:00 to 12:00h CET



Switch off your camera and micro (if they were not)



**Use the icon of CHAT to make indications to the moderator.
Place there also your questions.**

WRITE like next: "QUESTION: I would like to ask..."



This event is being recorded.



AGENDA

Boosting rural bioeconomy through feasible practices. 8 CASES FROM SPAIN & PORTUGAL

10:00h Welcome and presentation of BRANCHES project and results

10:15h Short keynotes:

- *Rural Bioeconomy Alliance*
- *Bioenergy as strategic for Europe and the Net Zero Industry Act*

10:30h PART #1. Practices innovating in obtaining and treating biomass

11:10h PART #2. Practices innovating in transformation into bioenergy and bioproducts

12:45h Final Q&A and closure

Program H2020



Este proyecto ha recibido financiación del programa de I+D+i Horizonte 2020 de la Unión Europea, bajo el acuerdo 101000375.

OBJECTIVE to increase the flow of information, new ideas and technologies among European agriculture and forestry professionals, especially in rural areas.

HOW?

- establishing **5 National Thematic Networks** in Finland, Poland, Germany, Italy and Spain to facilitate the knowledge transfer
- **Synthesizing and sharing existing best practices and research results** from previous and ongoing European and national projects to promote the bioeconomy and rural development through new bio-based initiatives.
- **showcasing success stories** regarding forest and agricultural biomass supply chains
- Organising **events and workshops** for knowledge transfer



Already 47 PAs documented!



Many of them translated to National languages



Edited forms

50 BEST PRACTICES		
BRANCHES will produce and share more than 50 case studies, considered Best Practices. The selected case studies will be summarized in Practice Abstracts (PAs), documents tailored for practitioners, shared through the project media and collected on this webpage. The numbering of the PAs only refers to chronological order of uploading. Enjoy your reading!		
<p>PA N°1 FIUSIS - A complete pruning residue value chain (Italy)</p> <p>READ</p>	<p>PA N°2 TRAVAGLINI - Microchip, locally-made replacement for industrial chips (Italy)</p> <p>READ</p>	<p>PA N°3 PIERINI - Small scale pellet production (Italy)</p> <p>READ</p>
<p>PA N°4 RISUPETO - A novel felling head for efficient harvesting of small diameter wood biomass (Finland)</p> <p>READ</p>	<p>PA N°5 ENERGY WOOD - Supply chains organized by forest owners in Finland</p> <p>READ</p>	<p>PA N°6 Hybrid solution to ensure energy self-sufficiency in a berry farm (Finland)</p> <p>READ</p>
<p>PA N°7 MANURE - Powered milk logistics (Finland)</p> <p>READ</p>	<p>PA N°8 CIP CALOR - An example of microgeneration (Italy)</p> <p>READ</p>	<p>PA N°9 MOMBRACCO - Wood fuel production from orchard termination (Italy)</p> <p>READ</p>
<p>PA N°10 VINEYARD PRUNING AND COLLECTION (Spain)</p> <p>READ</p>	<p>PA N°11 OLIVE CAKE GASIFICATION (Spain)</p> <p>READ</p>	<p>PA N°12 BOOM CORRIDOR THINNING - A harvester's working method for young dense stands (Finland)</p> <p>READ</p>

AVAILABLE AT:

<https://www.branchesproject.eu/materials/practice-abstracts-and-factsheets>



Sharing online...

Sharing news ([link to blog](#))



JUN 16, 2023
BEST INNOVATIVE PRACTICE 2023 AND TWO GENUINE PRACTICES SHARE THEIR EXPERIENCE AT EXPOBIOMASA (VALLADOLID)

JUN 16, 2023
A BRANCHES WORKSHOP IN LLEIDA AND CARRÀS

JUN 16, 2023
INNOVATIVE BEST PRACTICE AWARDS 2023
27 April 2023: Sustainable management as a fire

MAY 17, 2023
INVITATION TO BRANCHES WEBINAR
23.5.2023 at 09-10:30 CET

BRANCHES project will arrange a webinar, where we are presenting selected practical Abstracts from the Finnish operating environment.

APR 29, 2023
Bioenergy in a time of crisis
A Factsheet developed within the scope of EU Project BRANCHES
Read more

Newsletters (see [here](#))



BOOSTING RURAL BIOECONOMY NETWORKS FOLLOWING MULTI-ACTOR APPROACHES

NEWSLETTER
THE INFORMATION PROVIDED BY THE BRANCHES PROJECT

FOUR-MONTHLY ISSUE
CONTRIBUTION FROM ALL PROJECT PARTNERS

NEWSLETTER #0
MAY 2021
[READ](#)

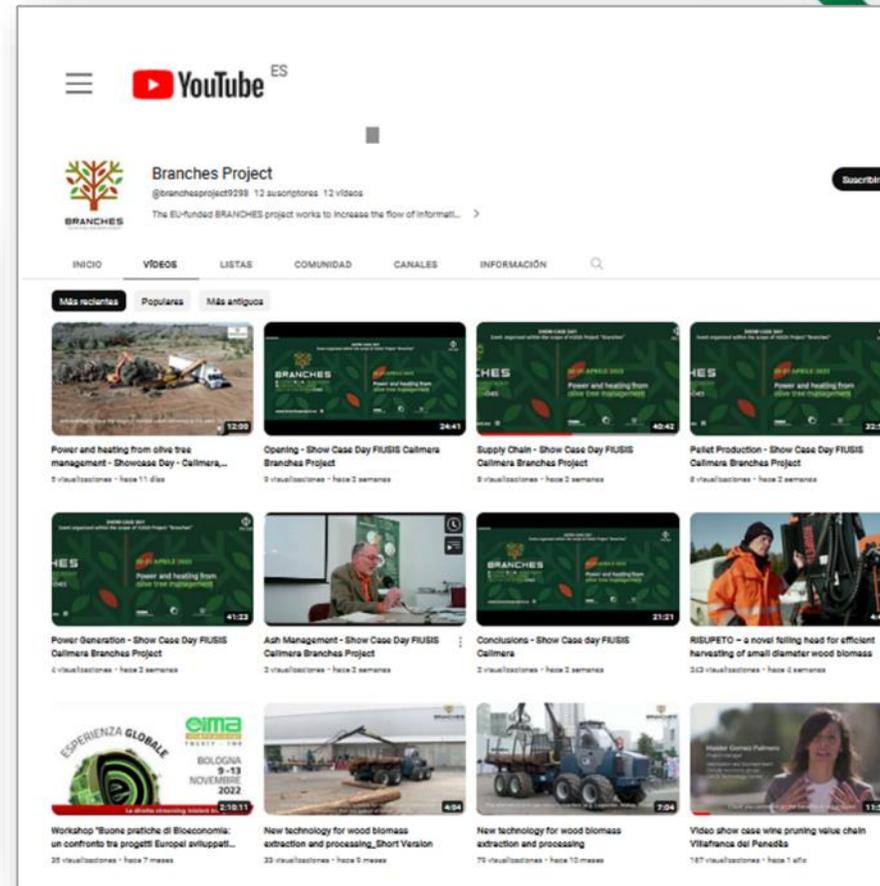
NEWSLETTER #1
NOVEMBER 2021
[READ](#)

NEWSLETTER #2
DECEMBER 2021
[READ](#)

NEWSLETTER #5
2023
[READ](#)

NEWSLETTER #8
2023
[READ](#)

...and also video materials ([link](#))



YouTube ES
Branches Project
@branchesproject9298 12 suscriptores 12 videos
The EU-funded BRANCHES project works to increase the flow of informati...

INICIO VIDEOS LISTAS COMUNIDAD CANALES INFORMACIÓN

Más recientes Populares Más antiguas

- Power and heating from olive tree management - Showcase Day - Calimera...
2 visualizaciones · hace 11 días
- Opting - Show Case Day FUSIS Calimera Branches Project
9 visualizaciones · hace 2 semanas
- Supply Chain - Show Case Day FUSIS Calimera Branches Project
8 visualizaciones · hace 2 semanas
- Pellet Production - Show Case Day FUSIS Calimera Branches Project
8 visualizaciones · hace 2 semanas
- Power and heating from olive tree management - Showcase Day - Calimera...
41:23
- Ash Management - Show Case Day FUSIS Calimera Branches Project
2 visualizaciones · hace 2 semanas
- Conclusions - Show Case day FUSIS Calimera
2 visualizaciones · hace 2 semanas
- RISUPETO - a novel felling head for efficient harvesting of small diameter wood biomass
313 visualizaciones · hace 2 semanas
- Workshop "Buone pratiche di Bioeconomia: un confronto tra progetti Europei sviluppati...
25 visualizaciones · hace 7 meses
- New technology for wood biomass extraction and processing_Short Version
23 visualizaciones · hace 2 meses
- New technology for wood biomass extraction and processing
77 visualizaciones · hace 10 meses
- Video show case wine pruning value chain Villafra de Penells
187 visualizaciones · hace 1 año



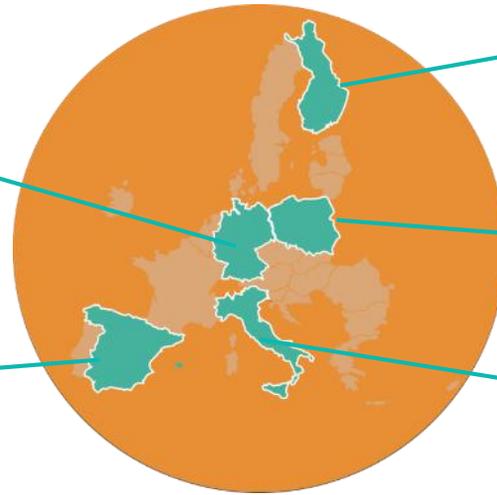
BRANCHES
BOOSTING RURAL BIOECONOMY NETWORKS

BRANCHES Project: sharing

...and presently



... in 5 countries



... through National Thematic Networks

NETZWERK
Bioökonomie in der Praxis



una red del proyecto BRANCHES

INtercamBIOM
Red de INTERCAMBIO de prácticas innovadoras con BIOMASA




BRANCHES
BOOSTING RURAL BIOECONOMY NETWORKS

Tutkimuksesta potkua biotalouteen - maa- ja metsäbiotalouden innovaatioverkosto



BRANCHES

Krajowa Sieć Biogospodarki



Dofinansowanie ze środków NISW PL



RETE STAKEHOLDER (NTN)
NATIONAL THEMATIC NETWORK

BRANCHES in SPAIN

Network
for Inter-Exchange of
innovative practices
on BIOMass



CIRCE in 2023



BRANCHES
BOOSTING RESEARCH AND INNOVATION IN RURAL NETWORKS

RESEARCH

60

0,3 M€ (+9,5% to 2022)

COMPETITIVE FUNDS EXECUTED

14

HORIZON EUROPE NEW PROJECTS

4

OF THEM ARE COORDINATED

74 HORIZON 2020 PROJECTS

> 22 COORDINATED

31 HORIZON EUROPE PROJECTS

> 7 COORDINATED

282

EMPLOYEES

35'4%

WOMEN

18

NACIONALITIES

TALENT



EDUCATION



TRANSFER AND SERVICES

7,2 M€

PRIVATE TURNOVER VOLUME

+25%

COMPARED WITH 2020

8

NEW PATENTS IN 2022

210

TRAINING COURSES

+50

STUDENTS

11377

TRAINING HOURS

BUSINESS LINES



RENEWABLE ENERGY



ELECTRICAL GRIDS OF THE FUTURE



SMART MOBILITY



INDUSTRY 4.0



ENERGY EFFICIENCY



CIRCULAR ECONOMY AND SUSTAINABILITY



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101000375



IntercamBIOM

AVEBIOM – Spanish Biomass Association,
Was funded 2004 to promote sustainable use
of biomass in Spain. We represent all actors
of the biomass value chain.



En AVEBIOM están representadas empresas de **toda la cadena de valor** de la bioenergía

FAIRS



DIVULGATION



MARKET & BIOMASS CERTIFICATION



INNOVATION





IntercamBIOM

BRACHES Spanish NTN IntercamBIOM network

Management team

AVEBIOM – Asociación Española de la Biomasa



Pablo Rodero
Project Manager



AVEBIOM – Asociación Española de la Biomasa



Alicia Mira
Project Manager



AVEBIOM – Asociación Española de la Biomasa



Daniel García
Project Manager



CIRCE – Centro de Investigación de Recursos y Consumos Energéticos



Maider Gómez
Project Manager



ADVISORY BOARD

... with key actors

ASEMFO – Asociación Nacional de Empresas Forestales



Ignacio Macicior Tellechea
Vicepresidente



Cooperativas Agro-alimentarias de España



Pablo Fernández Álvarez de Burgo
Técnico en el departamento de Sostenibilidad, Calidad e Innovación



CTA – Corporación Tecnológica de Andalucía



María García Alegre
Innovation Consultant



Instituto para la Competitividad de Castilla y León – Red Enterprise Europe Network



Beatriz Asensio Nuñez
Responsable Unidad Proyectos Europeos en ICE



CEDER-CIEMAT



Luis Saúl Esteban Pascual
Científico Titular Responsable de la Unidad de Biomasa





IntercamBIOM

Pioneering practices collected by BRANCHES in SPAIN

Innovative practices reported

<https://intercambiom.org/practicas-innovadoras>

Already 9, and 5 more coming



IntercamBIOM

Biomass Supply (3)



Cleaning and recovery of agricultural and forestry woody biomass
November 5, 2021



Olive stone cleaner
July 28, 2022

The innovative system of the olive bone plant allows treating the plant allows treating the dry, clean fuel material, and of a higher quality. It is modular, and reaches 2 and 14 tons/hour of biomass. Technology : Secaderos de la Secaderos de la



Pre-pruner with integrated vine shoot collection
November 12, 2021

This prototype allows the remains of the vine shoot to be collected during the pre-pruning of the vine without falling to the ground. The system can be attached to tractors or grape harvesters. The pilot tests indicate that it is capable of operating at a rate of 1.15 ha/h and collecting up to 75% of the pre-pruned vine shoot. Technology : Seral, Cuidados Implementation : in the pilot transfer process

Conversion in Energy or products (5)

today!



Biomass Hydrothermal Carbonization (HTC)
November 12, 2021

This technique applicable to wet biomass (sludge, organic fraction of MSW, forestry or agri-food remains, pruning, etc.) allows obtaining: biochar (pelletizable after drying), water with fertilizing uses, biochemical cases, biochemical plant exemplifies this innovative process. Implementation :



Integration of the olive gasification in an olive
November 11, 2021

This gasification plant integrated into an the world, and allows the concept of bio circularity to be applied to convert dry agricultural electrical energy, thermal energy and bio Technology : BIOLIZA with ANKUR Gasifier Implementation : Guadalestín



Torrefaction and cleaning of residual biomass
November 12, 2021

Roasting makes it possible to obtain a biochar with a high energy content. Accompanied by systems for cleaning unwanted elements (chlorine, alkaline) the roasting is suitable for industrial uses (steel works, cement and lime kilns, filters, etc.). CENER's pilot plant demonstrates its application and feasibility on an industrial scale. Technology : CENER Implementation : CENER (pilot plant; in process of industrial transfer)



Self-cleaning rotary boiler for solid waste - Horizon +
July 28, 2022

The SUGIMAT Horizon + boiler incorporates for the first time the concept of a boiler with rotating elements. The rotary design of the Horizon boiler allows the configuration of its elements to be adapted to the configuration of the waste to be treated. The boiler is equipped with said movement. The boiler is manufactured in ranges of up to 12 MW of power. Technology : SUGIMAT Implementation : SUGIMAT



Container: from pallet to heat
July 29, 2022

The system consists of a pallet chipper, a silo for chip storage and a boiler of up to 100 kW for combustion integrated into a container. The compact system allows to obtain heat, reduce the consumption of diesel or gas, and the cost of managing pallets that are no longer in use. Technology : Heizomat Implementation : Heizomat



Value Chain: Heat network with vine shoots
August 23, 2022

Municipal Heat Network, pioneer and unique in its format, uses vine shoots from the area to feed a 500 kW boiler that serves 4 public buildings and a social health center. It has been in operation since 2016, working continuously with pruning remains from about 200 ha of local vineyards. Technology : Heizomat Spain Implementation : La Girada Heat Network (Vilafranca del Penedès)

today!

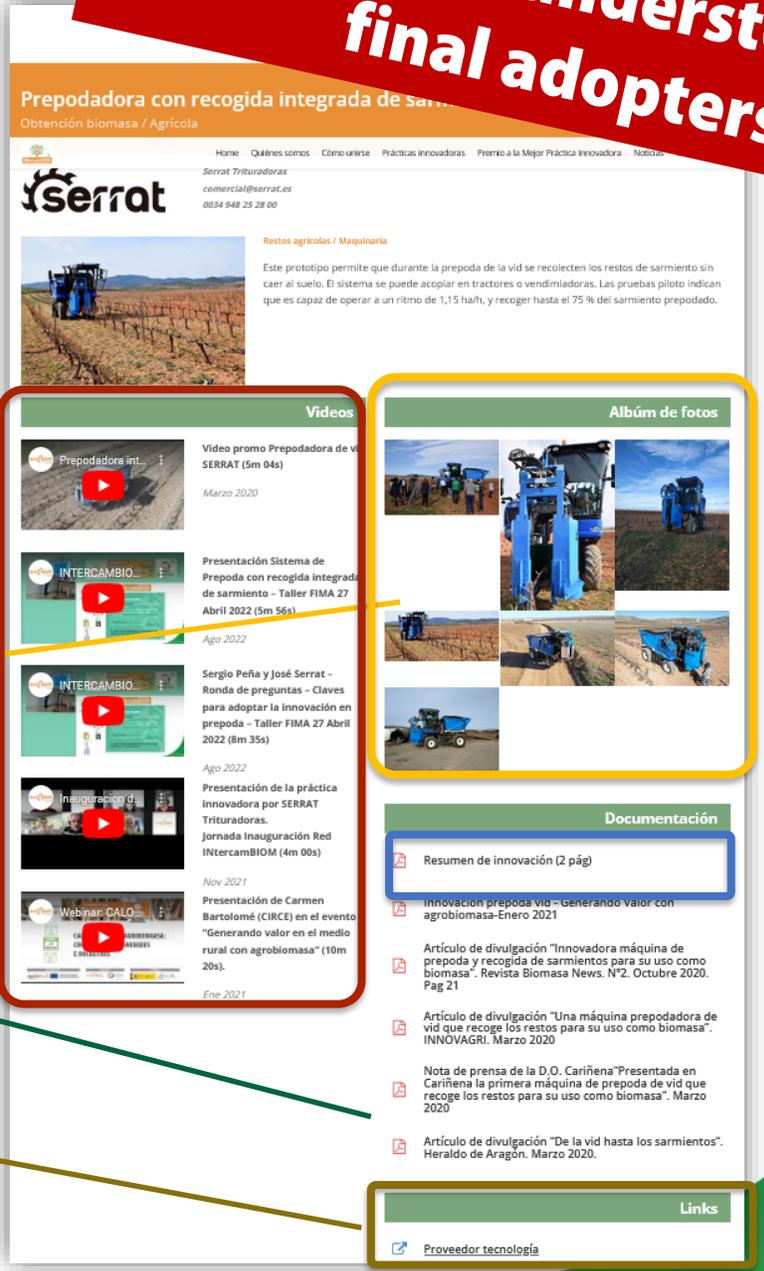
today!

Innovative practices reported

<https://intercambiom.org/practicas-innovadoras/>

Practice Abstracts complementary info:

- **Promo Videos**
- **Video of Presentations in events**
- **Interviews**
- **Pictures**
- **Practice abstract (2 page summary)**
- **Technical documents**
- **Links**



Easy to be understood by final adopters

Prepodadora con recogida integrada de sarmientos
Obtención biomasa / Agrícola

Serrat Trituradoras
comercial@serrat.es
0034 948 25 28 00

Restos agrícolas / Maquinaria

Este prototipo permite que durante la prepeoda de la vid se recolecten los restos de sarmiento sin caer al suelo. El sistema se puede acoplar en tractores o vendimiadoras. Las pruebas piloto indican que es capaz de operar a un ritmo de 1,15 ha/h, y recoger hasta el 75 % del sarmiento prepeodado.

Videos

- Video promo Prepodadora de vid SERRAT (5m 04s) - Marzo 2020
- Presentación Sistema de Prepeoda con recogida integrada de sarmiento - Taller FIMA 27 Abril 2022 (5m 56s) - Ago 2022
- Sergio Peña y José Serrat - Ronda de preguntas - Claves para adoptar la innovación en prepeoda - Taller FIMA 27 Abril 2022 (8m 35s) - Ago 2022
- Presentación de la práctica innovadora por SERRAT Trituradoras. Jornada Inauguración Red INtercamBIOM (4m 00s) - Nov 2021
- Presentación de Carmen Bartolomé (CIRCE) en el evento "Generando valor en el medio rural con agrobiomasa" (10m 20s). - Ene 2021

Albúm de fotos

Documentación

- Resumen de innovación (2 pág)
- Innovación prepeoda vid - Generando valor con agrobiomasa-Enero 2021
- Artículo de divulgación "Innovadora máquina de prepeoda y recogida de sarmientos para su uso como biomasa". Revista Biomasa News. Nº2, Octubre 2020. Pag 21
- Artículo de divulgación "Una máquina prepeodadora de vid que recoge los restos para su uso como biomasa". INNOVAGRI. Marzo 2020
- Nota de prensa de la D.O. Cariñena "Presentada en Cariñena la primera máquina de prepeoda de vid que recoge los restos para su uso como biomasa". Marzo 2020
- Artículo de divulgación "De la vid hasta los sarmientos". Heraldo de Aragón. Marzo 2020.

Links

- Proveedor tecnología



IntercamBIOM

More Pioneering practices collected

Finding innovations from the sector

2022 Biomass best innovative practice award

<https://intercambiom.org/premio-a-la-mejor-practica-innovadora-2022/>

IntercamBIOM
Premio a la Mejor Práctica Innovadora con BIOMASA 2022
vota aquí

0005 0006 0007 0008 0009 0010 0011
0012 0013 0014 0015 0016 0017 0018
0019 0020 0021 0022 0023 0024 0025
0026 0027 0028 0029

BRANCHES
Este proyecto ha recibido financiación del programa del Océano Horizonte 2020 de la Unión Europea bajo el acuerdo 101000076

By developers of innovative practices:

- 25 innovative practices participated
- 2 winners and 3 honour mentions



DOUBLE FIRST AWARD

today!

SUGIMAT
Horizon + caldera rotativa autolimpiable para residuos sólidos

Ceder
Secado solar y gasificación de lodos de depuradora

today!

3 HONOUR MENTIONS

Adicionalmente al primer premio, se otorgan tres menciones honoríficas de igual consideración a las

Home Quiénes somos Cómo unirse Prácticas Innovadoras Premio a la Mejor Práctica Innovadora Noticias Contacto

Agresta S. Coop
INVENTARIO FORESTAL TERRA DE LEÑAS
Estimación de biomasa forestal y aprovechamientos recomendados on-line

Redytel IOT
Inteligencia artificial con sensorización distribuida aplicada a la biomasa

Ceder-Ciemat
Cadenas de valor de biomasa arbustiva



IntercambiOM

More Pioneering practices

Finding innovations from the sector

2023 Biomass best innovative practice award

<https://intercambiom.org/mejor-practica-innovadora-2023/>

Expo Biomasa 2023

Premio MEJOR PRÁCTICA INNOVADORA 2023



menciones especiales



#prevencion_incendios
#autoconsumo



#bioenergia
#agrobiomasa



#venta
#pellet



#nuevas_cadenas
#agrobiomasa



By developers of innovative practices:

- 18 innovative practices participated
- 1 winner and 3 honour mentions

today!



Monte Holiday ecoturismo

Monte Holiday Ecoturismo

«Monte Holiday Ecoturismo + Bosque»: bioenergía para preservar los bosques de la Sierra de Madrid y proteger a sus visitantes

• INFO

MENCIONES HONORÍFICAS

Adicionalmente al primer premio, se otorgan tres menciones honoríficas de igual consideración a las prácticas que alcanzaron las posiciones 2ª, 3ª y 4ª.

Bioenergy Ibérica SL



Instalación de una caldera de biomasa funcionando con cáscara de castaño para una producción de 2 toneladas/hora de vapor saturado.

AKD Solutions S.r.l.



Dispensador automático de pellets Dab

Serrat Trituradoras



Briquetadora de madera de arranque de furtal para antiheladas en frutales



INtercamBIOM

Promoting inter-regional share on bioeconomy practices

Policy and territorial workshops

Ebro Valley bioeconomy network incipiently created

Collaboration with regional key actors in 2 inter-regional workshops has led to incipient status of a network for sharing vision on local bioeconomy

April 2023

April 2022





IntercamBIOM

Innovation promoters sharing their practices

Workshops with stakeholders

3 workshops with more than 200 attendants

Workshops 3

- **“Inspiring practices to promote biomass utilization”** 22.09.2021 (hybrid – 102 participants). In collaboration with 5 EU funded projects
- **“Innovative practices for bioenergy and biocoal obtained with agricultural biomass”** 27.04.2022 (hybrid – 22 attendants)
- **“Innovative business practices that enable new businesses in bioenergy and bioeconomy”** 09.05.2023 (only physical, 103 participants). In collaboration with BIORURAL project.





INtercamBIOM

Innovation promoters sharing their practices

Cross-border transfer Networking meetings and cooperation with Portuguese representatives

- Transfer of practices abstracts
- Translation to portuguese
- Attending workshop in Spain on 27th April 2022
- Attending workshop in Spain on 9th May 2023
- Informed about the best innovative practice award
- Identified interesting cases in Portugal



CBE

CENTRO DA BIOMASSA
PARA A ENERGIA



**Forest debris from fire prevention recycled
in a Portuguese Municipality. As courtesy of
CBE - Centro da Biomassa para a Energia**

today!



IntercamBIOM

Innovation promoters sharing their practices

Cross-border transfer

WEBINAR SERIES ON TRANSFER OF REGIONAL INNOVATIVE PRACTICES

Boosting rural bioeconomy through feasible practices.
8 CASES FROM SPAIN & PORTUGAL



WEBINAR

BRANCHES

JUNE · 29 :: 10 - 12H

today!
**SPAIN &
PORTUGAL**



IntercamBIOM

Innovation promoters sharing their practices

Cross-border transfer

WEBINAR SERIES ON TRANSFER OF REGIONAL INNOVATIVE PRACTICES



WE FOUND INTEREST and SUPPORT FROM



Keynote today!



Keynote today!





IntercamBIOM

ACKNOWLEDGEMENTS



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Thanks for your attention

**aveBiom**
Asociación Española de la Biomasa
Pablo Rodero
EU Projects and certification
pablrodero@avebiom.org

**aveBiom**
Asociación Española de la Biomasa
Daniel García
Innovation and projects
danielgarcia@avebiom.org

**aveBiom**
Asociación Española de la Biomasa
Alicia Mira
EU Projects and certification
aliciamira@avebiom.org

**circe**
CENTRO DE INVESTIGACIÓN DE RECURSOS Y CONSUMOS ENERGÉTICOS
Maider Gómez
Technology Project Manager
mgomez@fcirce.es