



# ALFA

UNLOCKING THE BIOGAS POTENTIAL  
OF LIVESTOCK FARMING

“Scaling up the market uptake of Renewable Energy Systems by  
unlocking the biogas potential of Agriculture and Livestock  
Farming”

GA 101075659

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*Kyoto Club / AzzeroCO2*

Rimini, 08/11/2024



PARTNERS





# The problem in context

**Despite the availability of relevant technologies and their commercial maturity, Europe has yet to fully tap into the promising potential of utilising the massive amounts of animal manure and byproducts available for biogas and biomethane production, which have the potential to be doubled by 2030.**

## Why?

- Low social acceptance and awareness
- Insufficient technical knowledge and skills
- Financial and regulatory barriers

*How can we support rural actors to adopt and implement biogas systems in farming and livestock farming?*

# About the project

**Overview:** ALFA seeks to support the market uptake of biogas production technologies that use manure as biomass, helping increase the share of renewable energy in the EU and helping reduce emissions from untreated manure.

## Key features:

- Establishment of **Regional Hubs**
- Provision of both **Business and Technical Support Services** to livestock farmers and biogas plant owners
- **Seminars and** webinars to support the uptake of biogas
- Development of **Digital Tools** to facilitate collaboration and knowledge exchange on biogas
- Development of a **Replication Guide** providing insights into adjusting and deploying ALFA measures in different contexts

# What we aim to achieve

**Support at least 50 livestock farmers in six EU countries (BE, DK, ES, GR, IT, SK) to overcome existing barriers and take up biogas systems through regional Hubs.**

## How?



Establish regional hubs across six EU-countries (BE, DK, ES, GR, IT, SK) to analyse local framework conditions and livestock value chains and engage local stakeholders in co-designing the approach.



Develop an engagement platform hosting a suite of tools (Decision Support Tool, Knowledge Center and Atlas Map) that facilitate collaboration and knowledge exchange among industry actors to transfer actionable knowledge and demonstrate the benefits of biogas solutions.



Deliver a portfolio of business and technical support services to support the uptake of biogas systems in livestock farming.

# What we offer



**Business Support  
Services**



**Technical Support  
Services and  
consultancy**

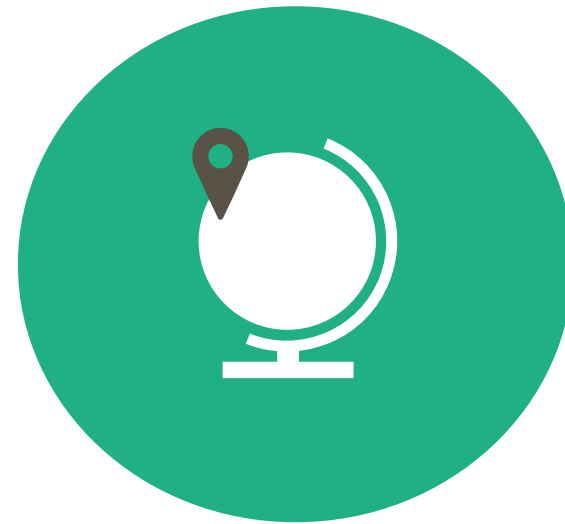


**Seminars, webinars and  
awareness raising  
campaigns**

# What we offer



**A Decision Support Tool**  
that will estimate the  
profitability and benefits  
of biogas solutions for  
each livestock farm, based  
on actual farm data.



**An Atlas Map**  
that will illustrate  
successful biogas  
systems on livestock  
farms and other spatial  
information about  
biogas.



**A Knowledge Center**  
that will provide access to  
market data and tools for  
mainstreaming biogas.



**A Biogas Forum**  
that will serve as a  
platform for exchanging  
ideas and supporting  
farmers and  
stakeholders.

Available in regional languages



# Our consortium

## 10 partners, 7 countries



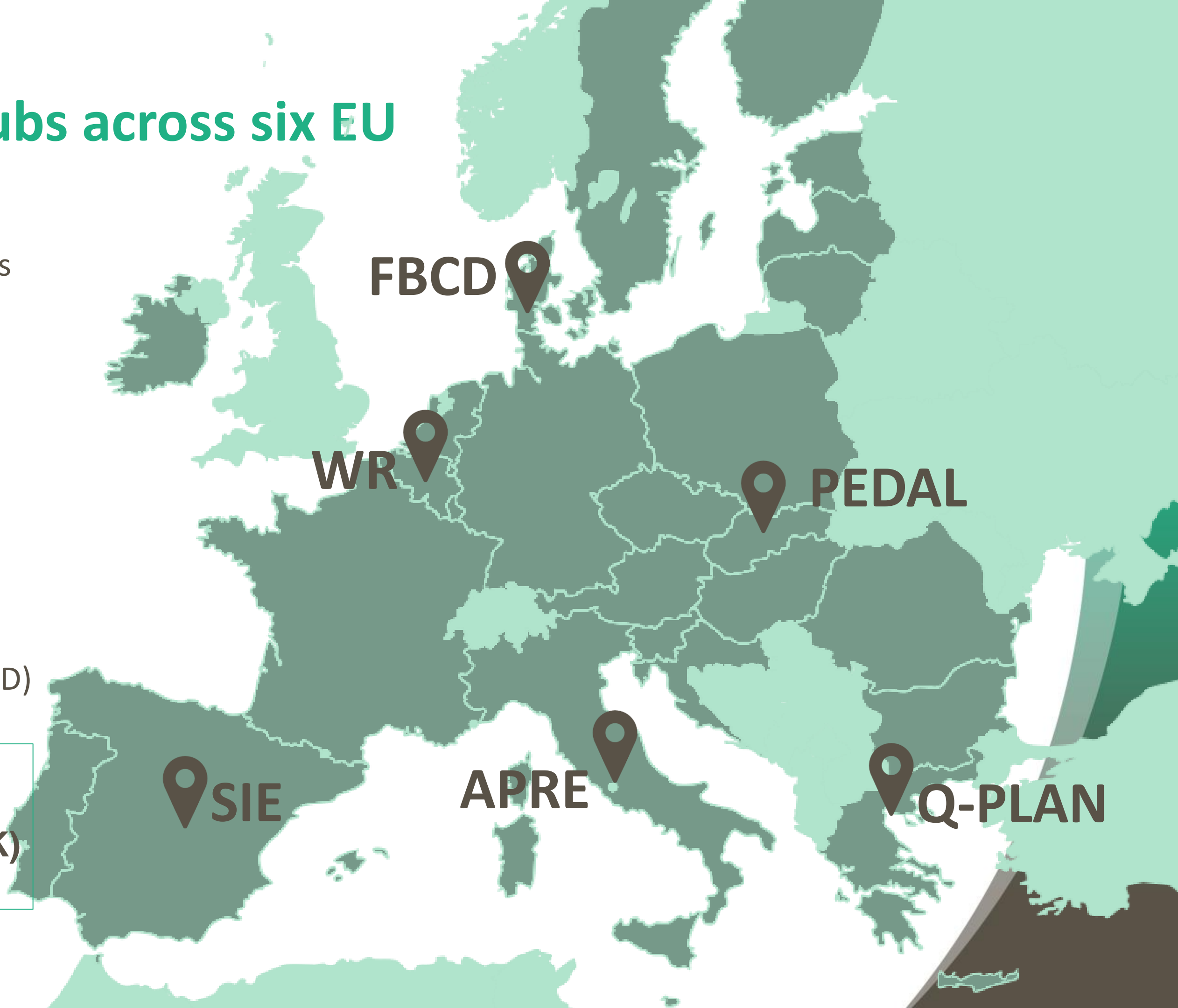
## Established regional hubs across six EU countries

- to analyse local framework conditions and livestock value chains and
- to engage with local stakeholders
- to act as intermediaries for the provision of support services

### Hub operators

- Greece (Q-PLAN)
- Italy (APRE)
- Belgium (White Research - WR)
- Slovakia (PEDAL)
- Denmark (Food and Bio-Cluster - FBCD)
- Spain (Sustainable Innovations - SIE)

We have supported **28 cases** in six EU countries (BE, DK, ES, GR, IT, SK)





# Stay tuned: 2<sup>nd</sup> Open call till January 17<sup>th</sup> 2025



Support the market uptake of biogas and biomethane in the ALFA regions, via offering technical, financial and business services to support interested stakeholders in the adoption of RES technologies.



**Target stakeholders:** livestock farmers with and without biogas implemented in their farms, biogas/biomethane plant owners, farmer associations, other interested stakeholders.



**Learn more at:** <https://alfaep.eu/>



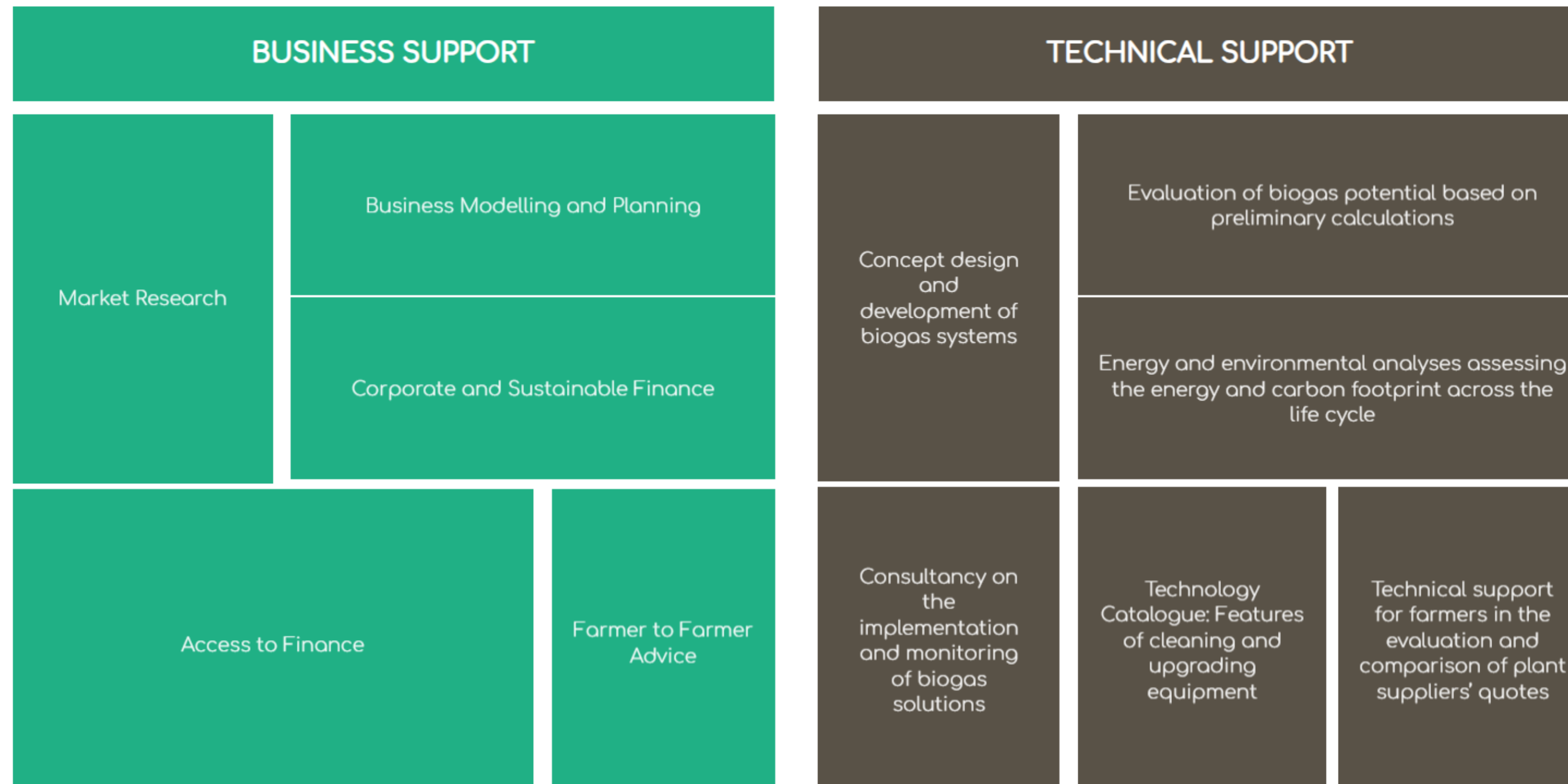
## Stay tuned:

- November 14<sup>th</sup>, next webinar (register [here](#))
- November 26<sup>th</sup>, 2024, 1st MML and field visit, Poprad Slovakia (register [here](#))

# ALFA Support Services

# Types of Support Services

## Services Portfolio







# ALFA

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[www.alfa-res.eu](http://www.alfa-res.eu)

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PARTNERS



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# Skillbill, the project

Ecomondo, Rimini 08/11/2024

Enrico Facci

## PARTNERS



Funded by the European Union



**Our solution for the CL5-2021-D3-02-02 call  
“Sustainability and educational aspects for renewable  
energy and renewable fuel technologies”:**

**SKILL BILL: Skill to Boost Innovation and  
professional fulfilment in a sustainable  
economy**



## Green Deal Ind. Plan for the Net-Zero Age

## European Skills Agenda

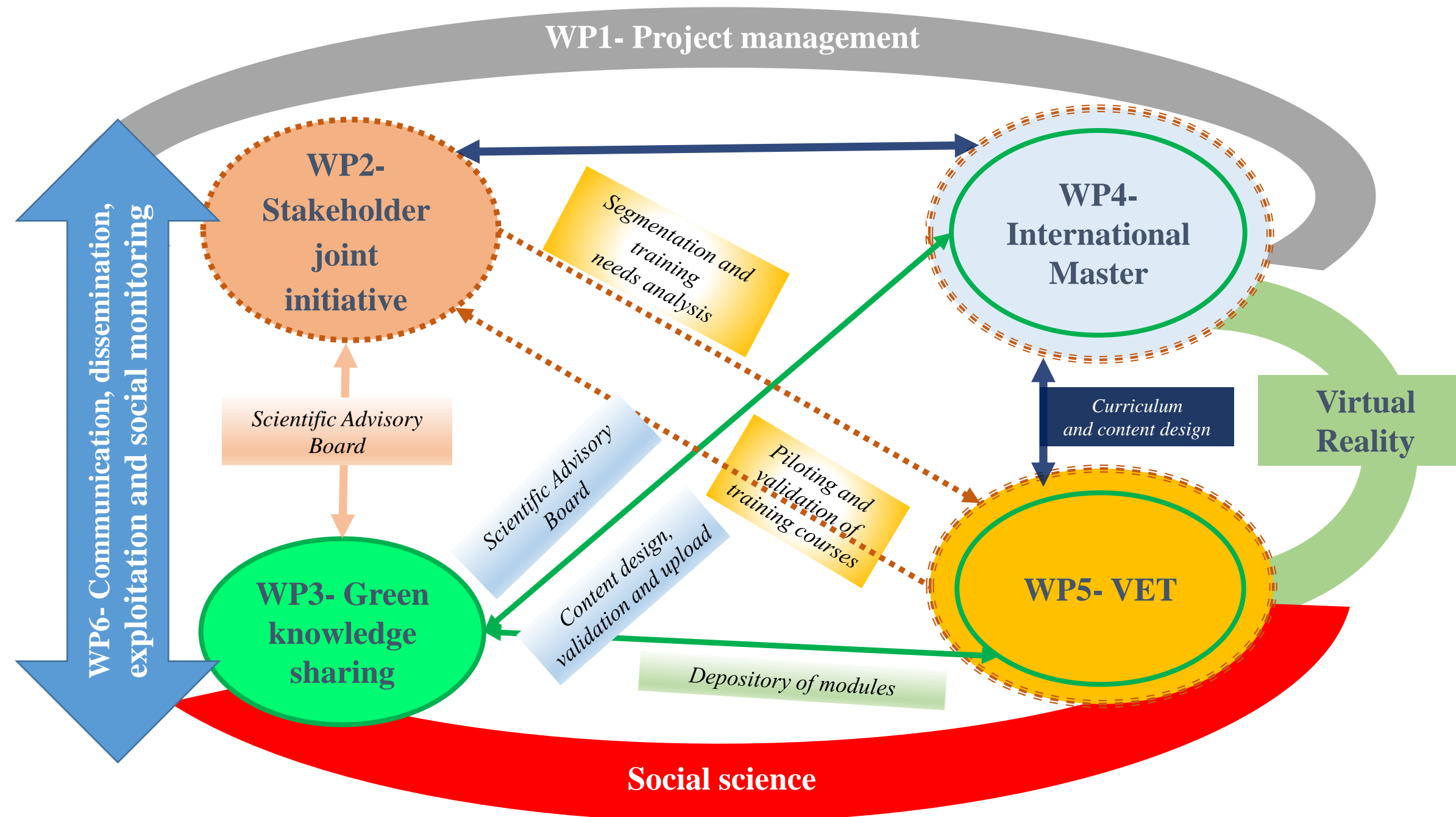
**Contributing  
to:**

- **Climate change mitigation, decarbonisation**
- **RES deployment acceleration**
- **Awareness raising and knowledge diffusion**
- **next generation of sustainable technology**

**By:**

- **Establishing an “European Specialization School in Sustainable Energy”**
- **Organizing Vocational Educational Courses (VET)**
- **Creating thematic working groups to provide policy recommendation and indication for tech development**
- **Launching a green portal with reliable info on RES and sustainability**
- **Creating a structured communication and dissemination campaign**

# The project structure:





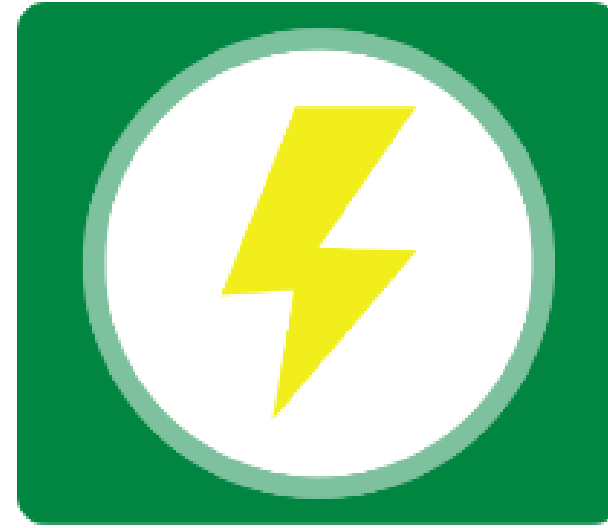


# Results so far:

## Sustainable Mobility



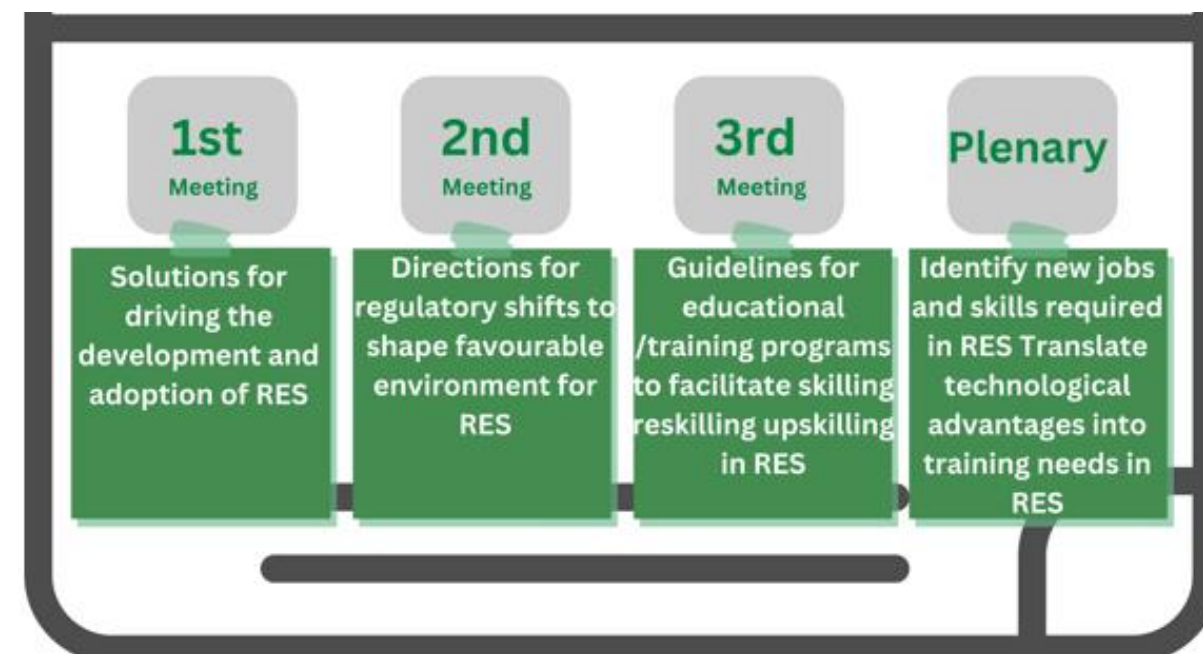
## Sustainable and Renewable Electricity



## Sustainable and Renewable Heat



## Sustainable and Renewable Fuels



# Results so far:

## Specific Objectives

- Reduce Gender Gap in STEM
- Increase awareness and knowledge on RES
- Launch the point of reference for qualitative information on RES and promote and accelerate the development of sustainable solutions

## Solutions

- Definition of a quality label for information material
- Design and launch of a portal for quality information on renewable energy and fuel technologies
- Green contest: Open contest for European Students

# Results so far:

## Vocational educational training

- Training the trainers 1/1
- Energy Management 1/2
- PV systems 1/2



# Results so far:

## European Specialization School in Sustainable Energy

- 4 international Universities involved
- 4 technical and 2 horizontal pillars
- 4 therms; 6 compulsory courses; 2 elective courses (between 12); final thesis
- Second year started in october 2024
- 64 students enroled



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