



ALFA
UNLOCKING THE BIOGAS POTENTIAL
OF LIVESTOCK FARMING

D4.1

Report on evaluation of market uptake support measures - First Round

Q-PLAN INTERNATIONAL

30 / 09 / 2024



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ABBREVIATIONS

AB	Advisory Board
BE	Belgium
CO2-eq	Carbon Dioxide Equivalent
D	Deliverable
CSA	Coordination and Support Action
DK	Denmark
EL	Greece
ES	Spain
GA	Grant Agreement
GDPR	General Data Protection Regulation
H2020	Horizon 2020
HE	Horizon Europe
IT	Italy
KPI	Key Performance Indicator
kWe	Kilo-Watt-electric
M&E	Monitoring and Evaluation
N/A	Not Applicable
RES	Renewable Energy Systems
SK	Slovakia
SMART	Specific, Measurable, Achievable, Relevant and Time-bounded
T	Task

Executive Summary

The ALFA project - a Coordination and Support Action (CSA) funded under the Horizon Europe program by the European Union - is committed to unlocking the potential of biogas produced in livestock farming. Running from November 2022 to October 2025, it contributes to reaching higher RES penetration through an increase in the bioenergy share and by positioning biogas as a source of baseload energy in Europe. This is achieved by providing services either business or technical, capacity-building activities and awareness-raising campaigns, meaning ALFA support measures, in two iterative rounds.

This report focuses on assessing the results of the first-round deployment. It suggests ways the measures can be fine-tuned for the second round, based on feedback received from the stakeholders supported and members of the ALFA Advisory Board, which includes experts and stakeholders from the fields of bioenergy and livestock farming.

In this respect, the ALFA framework was developed to monitor and evaluate the interventions of the project in its three main pillars of business and technical support measures, capacity-building activities, and awareness-raising campaigns. It was developed by identifying the key objectives of the project activities, followed by constructing indicators as specific, measurable, achievable, relevant, and time-bound (SMART). These, together with the questions that are custom-made for them, enable the measurement and evaluation of the progress and achievement of the project.

Data collection within the ALFA framework is done via questionnaires and surveys to compile anonymised responses from stakeholders. These are designed, in construction, to be concise yet targeted, available in several languages, and flexible in terms of mode of administration, whether online or on-site. These tools provide critical data in terms of effectiveness resulting from the activities of the project and guide improvements continuously being carried out.

The results of the data gathering were cross-checked further through a validation workshop, whose feedback provided various useful refinements. This is one of the most essential iterative processes that, due to its very nature, must keep the ALFA support measures continuously adaptive and responsive to the evolving needs of the project's progress for maximum impact.

In other words, the ALFA framework stands for a systematic approach to monitoring and assessing project success. Correspondingly, it has aligned its activities with overall project objectives; stakeholders' involvement shall also ensure continuous validation of findings by experts and stakeholders.

1. Introduction

1.1 ALFA at a glance

The ALFA project, a Coordination and Support Action (CSA) funded by the European Union under the Horizon Europe programme, runs from November 2022 to October 2025. The project aims to tackle the untapped potential of **biogas production from livestock farming** to **enhance** the adoption of **renewable energy sources** (RES) and increase the share of bioenergy as a reliable baseload energy source.

As a catalyst for biogas development in Europe, ALFA provides demand-driven **business and technical support** to over 50 livestock farmers and other biogas projects in six EU countries¹. This support will be driven through local networks called **ALFA Hubs**, established by project partners. The project focuses as well on boosting biogas market dynamics by implementing **capacity-building** activities and **promoting awareness** of the benefits of biogas solutions.

ALFA's primary goals are to:

- Assess Regional Specificities: **Analyse framework conditions** and identify drivers and barriers for biogas uptake in the EU livestock farming industry using a multi-layered approach, including country-specific analyses, interviews, surveys, and the study of successful practices.
- Co-create Support Measures: **Develop ALFA's support measures** tailored to local needs and challenges, aimed at boosting biogas adoption in the livestock farming sector through the operation of ALFA Hubs.
- Deploy Biogas Uptake Support: **Implement ALFA's support measures** in real market conditions to facilitate the integration of renewable energy into the final energy mix.
- Communicate and Inform Policy: **Disseminate outcomes**, provide policy recommendations, and promote mutual learning to empower the adoption of livestock biogas across Europe.

Key outcomes of the project include:

- **ALFA Hubs**: Networks of local facilitators supporting biogas market uptake in the targeted countries.
- **Regional Specificity Analysis**: Comprehensive analysis of regional conditions through desk research, surveys, and interviews with successful biogas initiatives.
- **Demand-driven Services**: A portfolio of business and technical services co-created with stakeholders and fine-tuned throughout the project.
- **Training and Awareness Materials**: Webinars, seminars, and awareness campaigns for stakeholders across the biogas value chain.
- **ALFA Tools**: A suite of tools available through the ALFA Engagement Platform, including a Decision Support Tool, an interactive map of active Biogas Cases, a Knowledge Center, and a Biogas Forum for idea exchange and best practices.

¹ BE – Belgium, EL – Greece, ES – Spain, DK – Denmark, IT – Italy, SK - Slovakia

By promoting biogas production from livestock manure, ALFA aims to **reduce greenhouse gas (GHG) emissions** and support a more sustainable and **circular bioenergy system**. The project addresses key barriers to biogas adoption, such as limited awareness and inadequate financial frameworks, and **scales the livestock biogas ecosystem** across Europe, enhancing the overall uptake of renewable energy systems.

1.2 Aim of this report

This report aims to **evaluate the outcomes of the first round** of ALFA's market uptake support measures, deployed as part of the project's efforts to facilitate the adoption of biogas solutions within the livestock farming sector. The evaluation focuses on assessing the effectiveness of these support measures in improving the setup and operation of biogas facilities among the targeted stakeholders.

Using a structured monitoring and evaluation framework, data are collected on various aspects such as confidence level, risk reduction, and effort reduction of the supported projects. The findings, informed by feedback from stakeholders and reviewed by the ALFA Advisory Board, provide the basis for recommendations on how to refine and enhance these support measures in subsequent round. This report serves as a critical step in the iterative process of improving ALFA's interventions and contributes to the objectives of replication and policy formulation within the project.

1.3 Structure of deliverable

The main sections of the report are outlined below:

- **Introduction:** Provides an overview of the ALFA project, including its goals, the aim of this report, and the structure of the deliverable.
- **Understanding the Concept:** Discusses the foundations of the monitoring and evaluation (M&E) framework and covers expert validation involved in fine-tuning.
- **Approach & Methodology:** Details the overall approach to designing and refining the M&E framework. This section covers the initial design, co-creation process, and final framework.
- **ALFA Framework:** Describes the application of the M&E framework within ALFA, including activities, services, objectives, indicators, data collection, and management processes.
- **Results:** Presents the aggregated data collected from the service provisions of the first round the capacity building including a webinar and two seminars.
- **First Validation Workshop:** Sets down details about the implementation of the first validation workshop.
- **Outcomes and Summary of Improvements:** Highlights the main insight gained during the first validation workshop towards the fine-tuning of the ALFA support measures.
- **Conclusions and Next Steps:** Summarises the key findings, improvements made, and the overall impact of the first round of support measures, along with the next steps.

The annexes of this report provide supporting materials for the development and implementation of the ALFA framework.

- **Annex I** includes the overall framework, outlining the structure, objectives, and indicators used to monitor and evaluate the project's activities.
- **Annex II** contains the questionnaires for data collection, to gather insights from beneficiaries, seminar and webinar participants, and ones reached by awareness-raising campaigns.
- **Annex III** presents the materials related to the validation workshop (incl. list of participants, agenda, photos, presentations, Mural board, invitation, registration, and informed consent form).

2. Understanding the Concept

2.1 Definition of M&E Frameworks

A **Monitoring and Evaluation (M&E) framework** is a systematic approach used to assess the **effectiveness, efficiency, and impact** of a project. It serves as a structured tool to track progress, measure outcomes, and identify areas for improvement throughout the project's lifecycle. The framework typically includes key components such as **objectives, indicators, data collection methods, and evaluation processes**. By establishing clear indicators, the M&E framework allows project partners to monitor outputs, assess interventions and fine-tune activities towards successful continuation.

In the context of the ALFA project, the M&E framework is crucial for assessing how **effectively** the **market uptake support measures** are facilitating the adoption of biogas solutions within the livestock farming sector. It enables continuous monitoring of key performance indicators (KPIs) related to **business, financial, technical, environmental, and social aspects**, ensuring that the project's interventions lead to measurable and sustainable outcomes.^{2 3 4}

2.2 Co-creation approach and expert validation

The co-creation approach involves actively **engaging stakeholders** in the **design, implementation, and refinement** of the M&E framework and ALFA interventions. This collaborative process ensures that the framework is **tailored to the specific needs and challenges** of the livestock farming sector, as well as to the **diverse contexts** of the six EU countries involved in the ALFA project. By involving stakeholders such as farmers, biogas project developers, and industry experts from the outset, the co-creation approach **fosters ownership and relevance** in the support measures developed.

Expert validation is an integral part of this approach. It involves consulting with a panel of specialists who **review and refine the framework** to ensure its robustness and accuracy along with the results towards the **fine-tuning of ALFA support measures**. In the ALFA project, the expert validation process includes **feedback from the ALFA Advisory Board (AB)**, which provides critical insights into the effectiveness of the framework based on real-world data and experiences. This iterative process of co-creation and validation enhances the reliability of the M&E framework and ensures that it effectively captures the complexities and dynamics of biogas market adoption in Europe.⁵

² Zall Kusek J., Rist R., 2004, Ten Steps to a Results-Based Monitoring and Evaluation System : A Handbook for Development Practitioners, Washington DC: World Bank, <http://hdl.handle.net/10986/14926>

³ OECD, 2019, Better Criteria for Better Evaluation: Revised Evaluation Criteria Definitions and Principles for Use, OECD Publishing, Paris, <https://doi.org/10.1787/15a9c26b-en>

⁴ IFRC, 2011, Project/programme monitoring and evaluation (M&E), Planning and Evaluation Department, Geneva, <https://www.ifrc.org/document/monitoring-and-evaluation-guide>

⁵ Voorberg, W. H., Bekkers, V. J. J. M., & Tummers, L. G., 2015, A Systematic Review of Co-Creation and Co-Production: Embarking on the social innovation journey, Public Management Review, 17(9), 1333-1357, https://www.researchgate.net/publication/262726174_A_Systematic_Review_of_Co-Creation_and_Co-Production_Embarking_on_the_Social_Innovation_Journey

3. Approach and Methodology

This section details the approach used to **develop and apply a M&E framework** for a project. This approach ensures that the M&E framework is robust, flexible, and effectively aligned with **project goals** and reflective of the **needs of stakeholders**. It integrates both theoretical foundations and practical elements, including stakeholder engagement, expert validation, and iterative refinement, to ensure comprehensive evaluation and continuous improvement throughout the project lifecycle. This multi-layered approach ensures that the M&E framework is not only aligned with the project's objectives but also responsive to the complexities of its adoption in diverse regional contexts.

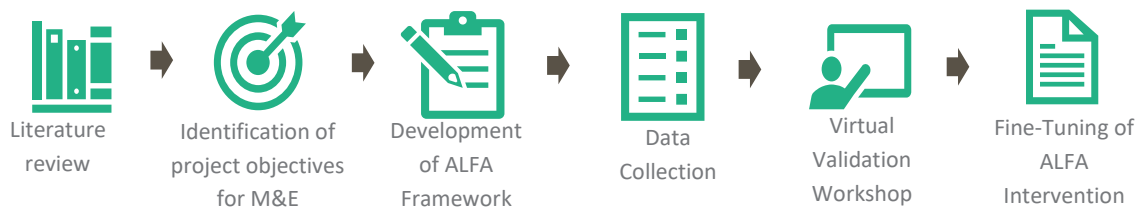


Figure 1. ALFA M&E Framework Design Approach

3.1 Literature review

The initial phase focused on conducting a **literature review** to enhance understanding of monitoring and evaluation (M&E) practices across diverse contexts. This review encompassed an analysis of existing M&E frameworks, facilitating the identification of key design elements and lessons learnt of their implementation. By analysing both the success factors and the challenges encountered in previous frameworks, the review provided valuable insights into effective M&E practices. Additionally, previous experience in H2020 and HE projects proved also valuable in guiding the review process.

3.2 Framework design

3.2.1 Objectives and activities

The scope of the M&E framework is to monitor and assess the effectiveness of project interventions, measure progress toward defined goals, and identify areas for improvement. The initial step in designing the M&E framework involves **identifying the main activities and objectives** of the project. So, the projects' objectives guide the framework's development, focusing on capturing relevant data and insights related to the project's activities, and impacts, in order to **evaluate the success and effectiveness**.

3.2.2 Indicators

For each project objective, corresponding specific, measurable, achievable, relevant, and time-bound, **SMART indicators** are designed to provide measurable metrics that reflect progress and impact. Indicators are specific, quantifiable, and **relevant to the objectives** intended to measure. They include precise metrics and are supported by specific questions or tools for data collection. The framework ensures that these indicators align with the project's key performance indicators (KPIs), allowing for effective comparison and evaluation.

3.2.3 Expected Results

The application of the M&E framework is intended to collect insights into the **effectiveness of project activities and interventions**. Expected results include a comprehensive understanding of

how well the project **meets its objectives**, with a focus on identifying successes and **areas for improvement**. The framework is designed to provide actionable data that can **guide decision-making** and enhance the overall impact of the project. By analysing these results, the framework aims to demonstrate progress and inform future strategies for achieving the project's goals. By systematically assessing progress and outcomes, the framework aims to demonstrate the project's achievements and identify best practices and challenges, contributing to the overall success of the project.

3.3 Co-creation of M&E framework with stakeholders

The development of the final M&E framework involves a **collaborative process** with stakeholders and experts. This co-creation phase ensures that the framework is tailored to the **specific needs and contexts** of those involved in the project. Stakeholders provide valuable **input** on the design and **functionality of the framework**, helping to refine indicators, tools, and data collection methods. This collaborative approach enhances the framework's relevance ensuring that it effectively addresses the needs of all parties involved, and fostering greater stakeholder buy-in.

3.4 Final framework

The final M&E framework includes a range of **tools and templates** designed to facilitate efficient **data collection** and feedback and serves as **hands-on guide**. Compact feedback forms are the key component, enabling streamlined and user-friendly data gathering from participants. These forms include specific questions aligned with the SMART indicators and are designed to capture relevant information with minimal burden on respondents. The tools and templates ensure that data collection is effective, supporting accurate evaluation, gathering both qualitative and quantitative data, and contributing to the overall effectiveness of the M&E process.

3.5 Data collection and data management

Data collection is carried out according to the **guidelines established** by the M&E framework. This process involves **using** the designed **tools** and templates to gather data from various sources, including surveys, interviews, and observations. Data management strategies ensure that collected information is stored securely, processed efficiently, and analysed in accordance with general data protection regulations (GDPR). Digital tools are employed to facilitate data handling, enabling real-time tracking and ensuring that data is readily available for evaluation.

3.6 Validation approach with experts

The **validation** of the project interventions and its **results** is conducted through a workshop with field experts and stakeholders. This workshop serves to review and critique the results collected, ensuring their robustness and applicability. Experts provide feedback based on their experience and expertise, identifying any potential issues and suggesting improvements on project interventions. This validation process is critical for refining the project measurements, ensuring that it meets high standards of quality and effectively captures the complexities of the project's objectives.

3.7 Fine-tuning and improvements

After the initial implementation of the M&E framework, continuous refinement is undertaken is carried out **based on stakeholders' feedback and insights** derived from data analysis. This iterative process allows for **adjustments and enhancements** to the **project interventions**, ensuring they remain effective and adaptable to evolving conditions. The focus on continuous improvement is essential for maintaining the framework's relevance and impact, thereby supporting the successful achievement of the project's goals and objectives.

4. ALFA Framework

The ALFA Framework is designed to systematically facilitate and evaluate the adoption of biogas solutions within the livestock farming sector across six EU countries. The framework integrates business and technical support, capacity-building activities, and awareness-raising campaigns. Each pillar is tailored to address specific needs, challenges, and opportunities in biogas market uptake, ensuring a holistic approach in achieving project objectives. An illustrated version of the overall framework is presented in Annex I.

4.1 ALFA Activities and Interventions

The core activities under the ALFA framework are:

- **Business and Technical Support Measures:** Providing free business and technical services to livestock farmers to boost biogas market uptake.
- **Capacity Building Activities:** Organising webinars and seminars to enhance stakeholders' knowledge and skills in biogas technologies, market dynamics, and regulatory frameworks.
- **Awareness-Raising Campaigns:** Conducting targeted campaigns to improve public and stakeholder awareness of biogas benefits, fostering social acceptance and support for biogas initiatives.

4.2 Objectives

The primary objectives of the ALFA framework are:

- **For Business and Technical Support:** To deliver tailored support to selected livestock farming cases to support the uptake of biogas solutions.
- **For Capacity Building:** To equip stakeholders with the essential knowledge and skills required for the successful implementation and management of biogas projects. **For Awareness-Raising:** To elevate the level of awareness and acceptance of biogas as a viable and sustainable energy source, thereby supporting market growth.

4.3 Indicators

To monitor and evaluate progress towards these objectives, the ALFA framework employs SMART indicators. The following tables provide details about the indicators, and their metrics, along with the correlation of specific objectives and activities of the project. On top of them, the tables include also the corresponding question. All the questionnaires are annexed in Annex I.

4.4 Expected Results

The expected results of the ALFA framework are aligned with the Grant Agreement (GA) of the project, ensuring that all activities contribute **directly to the overarching goals**. These results include a significant increase in the **adoption of biogas technologies** among livestock farmers, facilitated by targeted **business and technical support services**. The framework is also expected to lead to **improved knowledge and skills** among stakeholders through capacity-building activities, which will empower them to implement and **manage biogas projects effectively**. Additionally, the **awareness-raising campaigns** are designed to **enhance the acceptance** of biogas as a sustainable energy source, supporting market growth and contributing to the broader objectives of reducing greenhouse gas emissions and fostering a circular bioenergy system in Europe.

Table 1. Set of indicators for the service provision

Activity / Objective	Indicator	Metric	Expected Results	Question Additional Details	Target groups
Business and Technical Support Deliver tailored support to selected livestock farming cases to support the uptake of biogas solutions	Number and type of services received	No of services either business or technical along with the type of them	50 services delivered	What service(s) did you receive? Also, information about the number is circulated internally within the consortium and gathered from the ALFA Hubs	Service beneficiaries
	Perceived risk reduction of investment in biogas systems	Perceived change in comfort level regarding biogas investment	20% perceived risk reduction of in biogas systems	To what extent has your comfort level in investing in biogas changed compared to before, indicating a perceived reduction in risk?	
	Projected output of biogas system	kWe	30MWel projected output of supported biogas systems	What is the expected power output of your biogas system, measured in kilowatts (kWe)?	
	Reduction of the time/ effort needed for the development of the biogas solution	Timeline Expectation	N/A	Are you planning to proceed with your project within the next 5 years?	
			N/A	To what extent did our services contribute to the efficiency (in terms of time and effort) of realising your future project?	
	Overall satisfaction	Satisfaction Level	N/A	How would you evaluate the application process?	
		Satisfaction Level	N/A	To what extent did the service meet your expectations?	
	Proposed improvement	Qualitative feedback	N/A	What could be improved?	

Table 2. Set of indicators for the capacity building activities

Activity / Objective	Indicator	Metric	Expected Results	Question Additional Detail	Target groups
Capacity Building Equip stakeholders with the essential knowledge and skills required for the successful implementation and management of biogas projects.	Quality of the training sessions	Rating of various aspects such as content, speaker, relevance, duration, and interactivity	N/A	Please rate the webinar/seminar on the following aspects: content, speaker, relevance, duration, and interactivity.	Seminar and webinar participants
	Applicability of knowledge gained	Perceived applicability of the knowledge to the participant's business	N/A	To what extent is the knowledge gained from the webinar/seminar applicable to your business?	
	Confidence in applying knowledge	Confidence level in applying the knowledge gained during the capacity-building activities	N/A	To what extent do you feel more confident and prepared to apply in practice what you've learned today in the webinar/seminar?	
	Overall satisfaction	Satisfaction level	N/A	How would you rate your overall satisfaction with the webinar/seminar?	
	Areas of improvement	Qualitative feedback on how to improve the sessions	N/A	How can the webinar/seminar be improved?	
	Participation Rate	No of Participants	N/A	Info is circulated internally within the consortium and gathered from the ALFA Hubs	
	Organisation of capacity-	No of webinars and seminars	8 webinars and 8 seminars		

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Activity / Objective	Indicator	Metric	Expected Results	Question Additional Detail	Target groups
	building activities				
	Training Sessions	No of topics covered	8 capacity building programs		

Table 3. Set of indicators for the awareness-raising campaign activities

Activity / Objective	Indicator	Metric	Expected Results	Question Additional Detail	Target groups
Awareness-raising campaigns Elevate the level of awareness and acceptance of biogas as a viable and sustainable energy source, thereby supporting market growth	Social acceptance of biogas	% change in acceptance	25% Increased social acceptance of biogas	Info is circulated internally within the consortium and gathered from the ALFA Hubs	Persons reached by the awareness-raising campaign
	Barriers/ gaps addressed by the campaigns	Number of barriers and gaps addressed	N/A		
	Perception of socio-economic benefits	% change in acceptance	N/A	Does a biogas plant create socio-economic benefits?	
	Perception of environmental benefits	% change in acceptance	N/A	Does a biogas plant create environmental benefits?	
	Perception of sustainability and inclusivity in agriculture	% change in acceptance	N/A	Does a biogas plant contribute to creating sustainable and inclusive agriculture (e.g. gender inclusive)?	

4.5 Co-creation

The ALFA framework is developed through a **co-creation process** involving key stakeholders such as livestock farmers, biogas project developers, and industry experts. These co-creation processes take place at **local level**, facilitated **through ALFA Hubs** and are reported in D2.2 “Co-creation outcomes shaped to our stakeholders' needs”¹. This collaborative approach ensures that the framework addresses real-world challenges and is adapted to real needs.

4.6 Data collection

4.6.1 Role of Hubs, Service Providers and Tools

ALFA Hubs in agreement with the service providers play a critical role in data collection, acting as intermediaries between the project and the supported cases. They are responsible for gathering **data from beneficiaries**, speaking about the service provision process (from engagement, to need analysis, matching and final service delivery), and **circulating questionnaires** upon the service completion. Additionally, ALFA Hubs monitor the **progress of the service provision** in their regions, tracking both the **types and number of services** provided. In terms of **capacity building**, ALFA Hubs manage capacity-building activities, including distributing **feedback** questionnaires to participants. They also report internally on the number of participants and the topics designed and covered. Furthermore, ALFA hubs play a crucial role in **awareness-raising campaigns**. Initially, before the launch of these campaigns, they conducted an online survey to capture/assess the initial perception of biogas and designed targeted initiatives to tackle the local barriers.

The **questionnaire** for the **service provision beneficiaries** in the ALFA project is designed to be **simple and straightforward**. It focuses only on the most important questions to quickly and effectively gather information via multiple-choice options. This “short and sweet” approach helps ensure that participants can **complete** the questionnaire **easily**, without taking too much of their time. The questionnaire was administered **online** and made available for **translation** to avoid any language barriers, ensuring accessibility for all participants.

The **capacity-building activities** in the ALFA project, including webinars and seminars, follow a similar approach with **concise questionnaires** designed to gather feedback from participants efficiently. These questionnaires primarily use multiple-choice questions to simplify the response process. For **webinars**, as expected, the **questionnaires** are administered **online** to align with the digital format of the sessions. For **seminars**, there is **flexibility** in both the language and the method of data collection. The questionnaires can be **translated** into local languages to ensure clear understanding and accessibility for all participants. Data can be collected either **online or onsite** during the seminars, depending on what is most convenient for attendees.

The **awareness-raising campaign** in the ALFA project includes a **three-question survey** distributed by **ALFA Hubs** to gather initial input on the acceptance of biogas as an energy source. This online survey is designed to be quick and easy to complete, helping to efficiently gauge public perception and support for biogas initiatives. By circulating the survey through ALFA Hubs, the project ensures wide reach and participation, collecting valuable data to inform further awareness activities and measure the campaign's impact on biogas acceptance.

The full questionnaires are included in Annex II for anyone who needs to review it.

¹ ALFA Project, Deliverable, D2.2 “Co-creation outcomes shaped to our stakeholders' needs”, 2023, [link](#)

4.7 ALFA Framework Overview

The following tables outline the key elements of the ALFA project's core activities - service provision, capacity building, and awareness-raising campaigns.

Table 4. ALFA M&E Framework overview for service provision

Category	Details
Objective	To provide tailored business and technical support to livestock farmers towards biogas market uptake.
Target Group	Service provision beneficiaries.
Collection Tool	Online feedback forms.
Related Tasks	T3.2 "Deployment of business and financial support services". T3.3 "Deployment of technical support services".
Timing and Frequency	Data are collected after each round of service provision, typically following the completion of the service.
Data Collector	T4.1 Leader - Q-PLAN.
Procedure	Anonymised feedback is directly collected from service beneficiaries via online questionnaires. ALFA Hubs, in agreement with the service provider, are responsible for the circulation of the link.
Data Utilisation	Analyse feedback towards the effectiveness of the services, areas for improvement, and inform subsequent rounds of service provision.

Table 5. ALFA M&E Framework overview for capacity building

Category	Details
Objective	To enhance stakeholders' knowledge and skills required for the successful implementation and management of biogas projects.
Target Group	Seminar and webinar participants.
Collection Tool	Concise questionnaires (online for webinars, online/onsite for seminars).
Related Tasks	T3.4 –Organisation of capacity-building activities to facilitate the uptake of biogas in practice.
Timing and Frequency	Anonymised data is collected at the end of each seminar/webinar session.
Data Collector	In most cases, the answers are directly sent to the T4.1 Leader, except the on-site collection, where the organiser is responsible for collecting and aggregating the anonymised data and share them with T4.1 Leader.
Procedure	Six webinars are organised by ALFA partners. The feedback form link will be circulated by the organiser in collaboration with the T3.4 Leader. The answers are directly collected by T4.1 Leader. Six seminars are organised in total by ALFA hubs in their regions. The feedback forms are circulated by the organisers upon the seminars' completion - either in online format (in that case the answers

Category	Details
	are sent directly to T4.1 leader - Q-PLAN) or paper form (while in this case the data are aggregated by the organiser and shared with the T4.2 leader).
Data Utilisation	Evaluate the effectiveness of the training sessions, refine future capacity-building activities, and report on satisfaction and knowledge gains.

Table 6. ALFA M&E Framework overview for awareness-raising campaigns

Category	Details
Purpose	To increase public awareness and acceptance of biogas as a sustainable energy source.
Target Group	The general public and stakeholders engaged through ALFA Hubs.
Collection Tool	A three-question online survey was distributed via ALFA Hubs.
Related Tasks	T3.5 – Raising awareness campaigns to build acceptance and break down misconceptions.
Timing and Frequency	Baseline Data were collected before the kick-off of awareness-raising campaigns. A second round of data will be collected after the two subsequent rounds of awareness campaigns.
Data Collector	ALFA Hubs, in collaboration with the T3.5 leader.
Procedure	ALFA Hubs distribute the online survey via social media and ALFA Hub networks; T3.5 leader collects and analyses responses to measure changes in biogas acceptance.
Data Utilisation	Assess the effectiveness of the campaign in raising awareness and acceptance of biogas; and refine future campaigns.

4.8 Data management

Data management within the ALFA framework is designed to ensure the **secure and ethical** handling of all collected information. **All questionnaires and surveys** deployed throughout the project gather **anonymised data**, ensuring that individual responses cannot be traced back to specific participants. This approach safeguards participants' privacy and complies with relevant data protection regulations. The anonymised data are systematically stored and organised by the task leader. So, the collected data are used for the purpose of **evaluating and improving** the project's interventions.

4.9 Validation Workshop and fine-tuning

A validation workshop is organised at the end of each round of ALFA support measures implementation. In total two validation workshops will be organised, serving as a platform for reviewing each round's results, and gathering insights from experts and members of the Advisory Board. Participants evaluate the effectiveness of the implemented measures and provide recommendations for improvement. Their feedback guides the refinement of the ALFA support measures, ensuring that the support services, capacity-building activities, and awareness-raising campaigns are optimised through an iterative process. This approach ensures the project remains responsive to real-world challenges and continues to adapt to the evolving needs of stakeholders.

5. Results of the first round

This section presents a series of figures that illustrate the data gathered from ALFA activities, including feedback from service beneficiaries, and participants in capacity-building sessions. These figures provide a clear overview of the outcomes, highlighting the key insights and trends that will guide future iterations of the ALFA framework.

During the first round of service provision, a total of 25 services were completed, and 15 feedback forms were received. The raw data from the feedback forms are kept in T4.1 leader (Q-PLAN) repository. Overall, the results are above average, with generally positive feedback from participants. Detailed insights and specific outcomes are presented in the accompanying figures.

Details on the services received are presented in D3.2 “Report on deployment of ALFA Support Measures – First Round”¹. The distribution of the services for the first round is presented in the Table below.

Table 7. Services Distribution of the first round

Business Services		Technical Services	
Service	No services	Service	No services
Market Research	3	Concept Design and Development of Biogas Systems	1
Business Modelling and Planning	1	Evaluation of Biogas Potential based on Preliminary Calculations	1
Access to Finance	6	Energy and Environmental Analyses	1
Corporate and Sustainable Finance	4	Consultancy on Implementation and Monitoring of Biogas Solutions	5
Farmer / Expert to Farmer Advice	-	Technical Support for Farmers in the Evaluation and Comparison of Plant Suppliers' Quote	4

Regarding the **geographical distribution**, services such as consultancy on implementation and monitoring of biogas solutions were popular in Belgium, Germany, Slovakia, and Spain. Italy focused on the access to finance and technical support for farmers. In Slovakia, participants were engaged in market research, concept design, and evaluation of biogas potential. Greece showed interest in corporate and sustainable finance. While, Spain and Denmark also participated in market research, access to finance, and technical support.

Most of the participants are in the 40 - 64 age group which might indicate that more experienced professionals are taking part in these services, while most of them are men. There is representation of younger participants (15 - 39 years old) from Slovakia and Greece, both men and women, with a focus on access to finance, market research, and corporate finance. Women represented a smaller portion of the respondents, with most being from Greece and Slovakia, participating in corporate finance and access to finance services.

¹ ALFA Project, Deliverable, D3.2 “Report on deployment of ALFA Support Measures – First Round”, 2024, under publication

The majority of respondents indicated that the service either met (53%) or exceeded (34%) their expectations, showing a **high level of satisfaction** with the services provided. Only 13% of respondents felt the service did not fully meet their expectations, and none reported being dissatisfied.

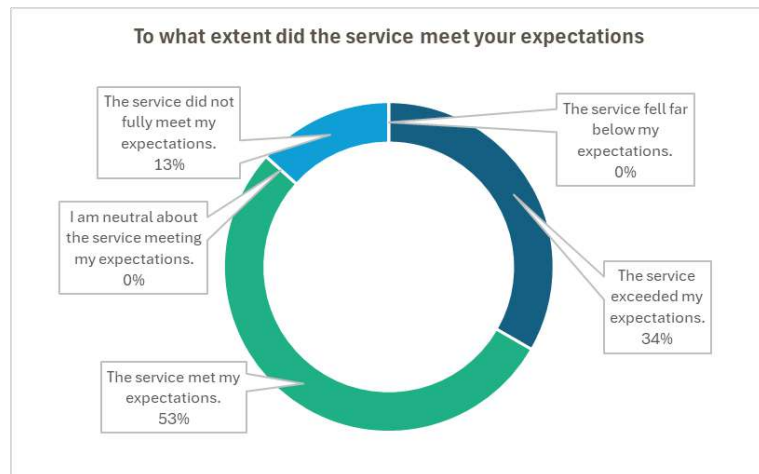


Figure 2. Overall satisfaction of the service provision

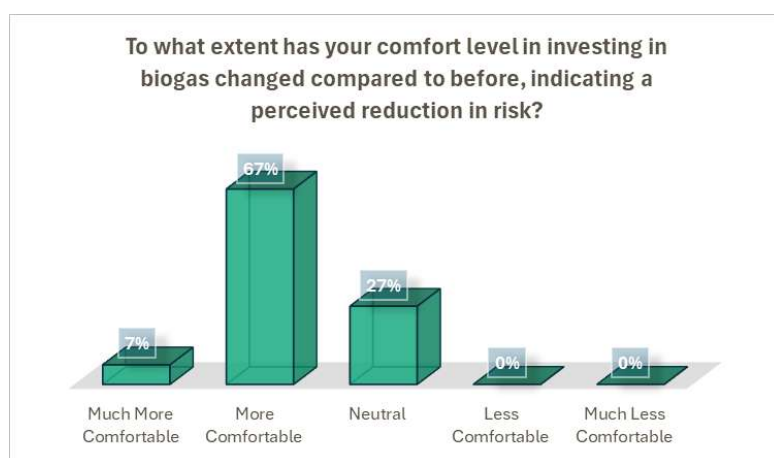


Figure 3. Perceived risk reduction of investment in biogas systems

The **total projected output** of supported biogas systems integrated into energy-consuming sectors is approx. 100MWel, based on the feedback form from the service beneficiaries

67% of participants reported feeling "more comfortable" in investing in biogas as a result of the services provided, with 7% of participants feeling "much more comfortable". This reflects a reduction in investment risk for the majority of participants. 27% of respondents were neutral, while none reported feeling less comfortable.

In terms of the **perceived efficiency gains**, most respondents found that the services significantly (47%) or extremely (20%) contributed to their projects' efficiency in terms of time and effort. Only 13% participants reported slight contributions, while none felt that the services did not contribute at all.

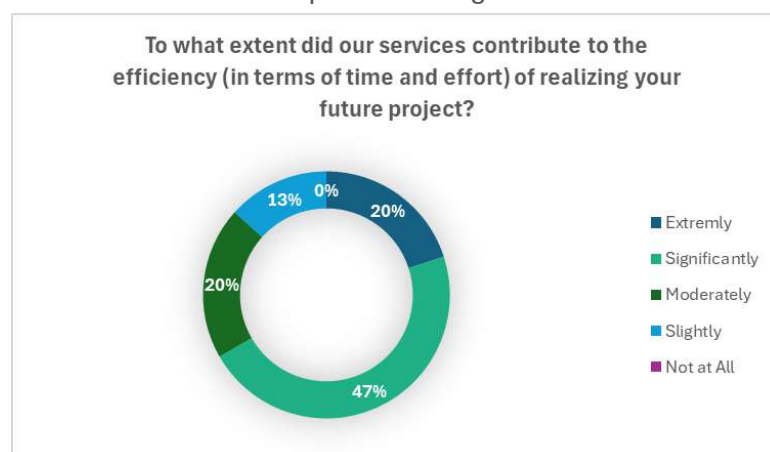


Figure 4. Reduction of time-effort needed for the development of the biogas solutions

Most respondents (47%) indicated that they are "definitely" **planning to proceed with their biogas projects** within the next five years. Another 27% were "likely" to proceed, while 27% were still undecided, demonstrating a strong commitment to biogas adoption among the majority.



Figure 5. Future Plans of biogas project

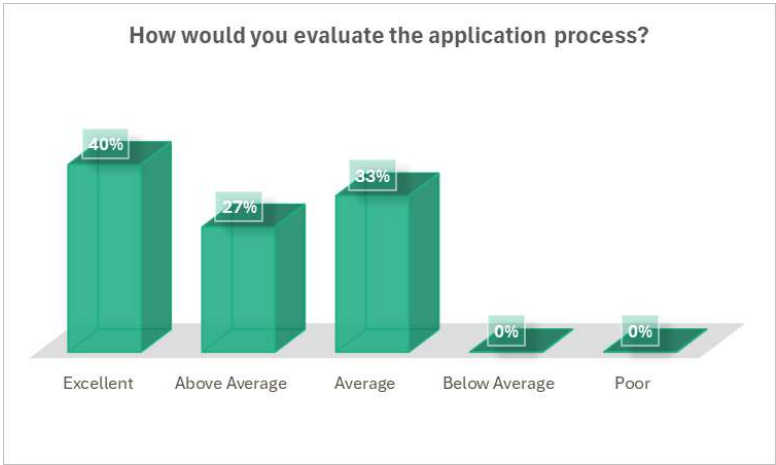


Figure 6. Application process evaluation

Feedback on the **application process** was mostly positive, with 40% respondents rating it as excellent, 27% as above average, and 33% as average. No one rated it as below average or poor, reflecting a smooth and effective application process.

The majority of **participants found information** about the services through professional associations and cooperatives (33%), followed by social media platforms (27%), and e-mails or newsletters (20%). Fewer respondents sourced information from the project's website (7%) or other channels (13%), indicating that professional networks are key in disseminating information about the services.

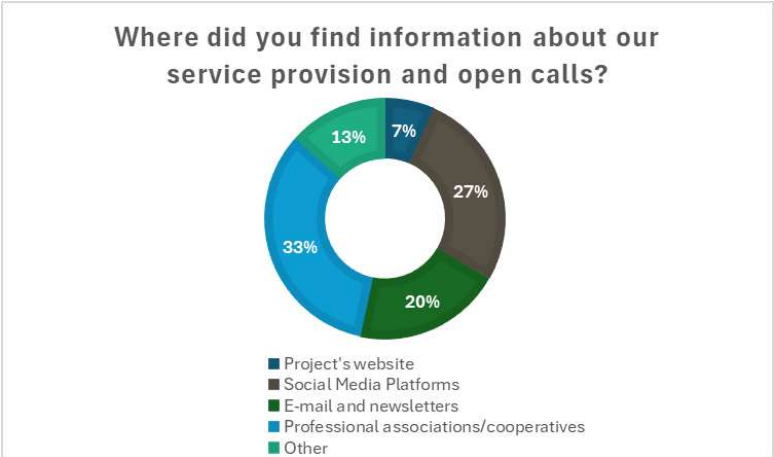


Figure 7. information Sources for the service provision

From the **qualitative** analysis, the results indicate, it would be beneficial to offer additional consultancy that focuses on European funds among other topics and improve the service provision process timing. This approach should include providing one meeting at a time to allow for more in-depth discussions and ensure that the advice given is timely and directly relevant to the project's current needs.

5.1 Capacity Building Activities

Webinar

For the time being one **webinar** has been organised on May 23rd 2024 by WR with the support of SIE. The link with the feedback form was shared with the 41 participants, after the completion of the webinar. Below are the main results.

The majority of respondents rated the webinar as either "Excellent" (60%) or "Above Average" (40%), indicating a strong appreciation for the **aspects presented overall**.

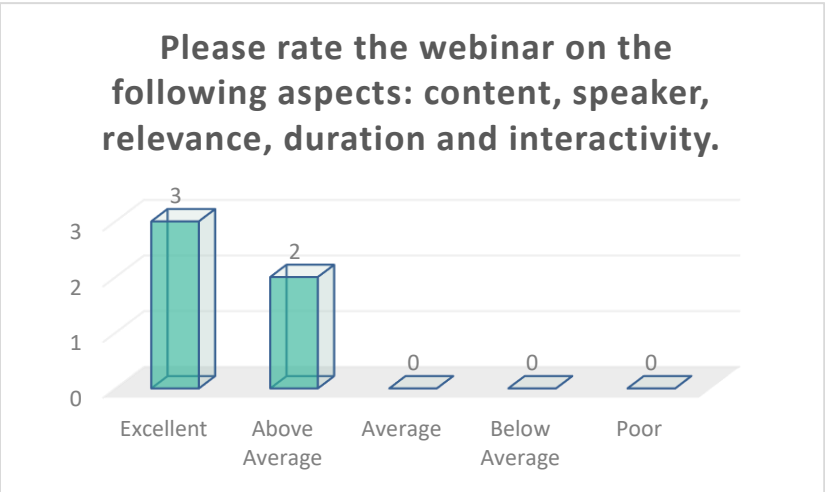


Figure 8. Overall webinar rating

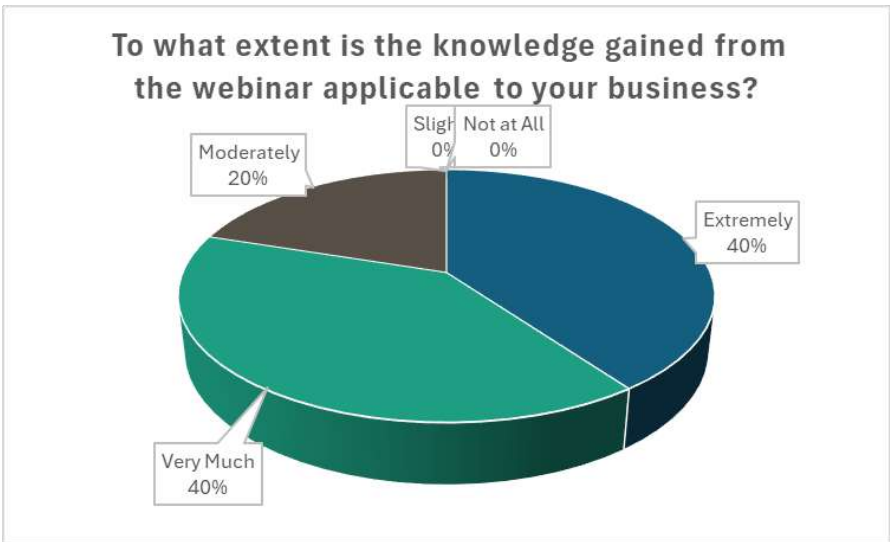


Figure 9. Applicability of Knowledge to Business

A majority of respondents felt that the **knowledge gained** from the webinar was highly applicable to their business. Specifically, 40% of respondents found it "Extremely" applicable and 40% found it "Very Much" applicable, while 20% respondents rated it as "Moderately" applicable.

The webinar had a positive **impact on confidence levels**, with 40% respondents feeling "Extremely" confident and 20% feeling "Very Much" confident. Additionally, 20% respondent felt "Moderately" confident, and 20% felt "Somewhat" confident, indicating overall increased preparedness.

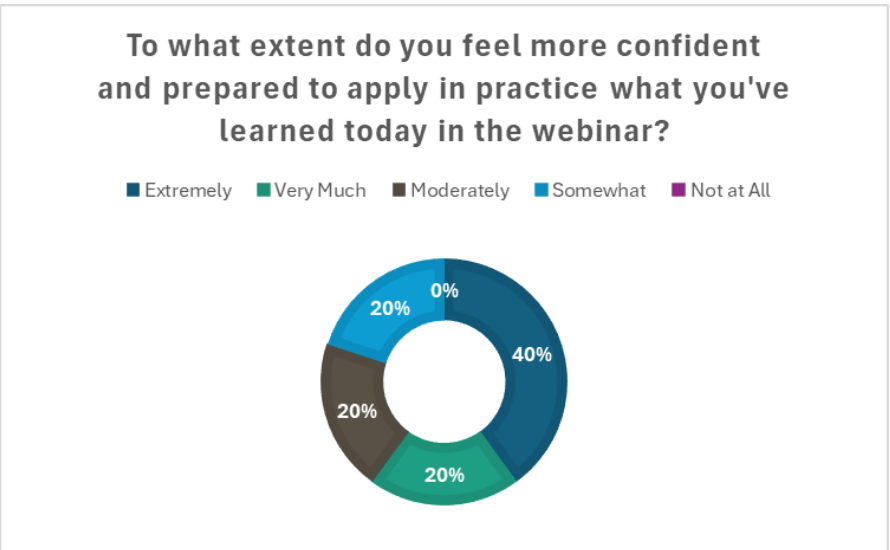
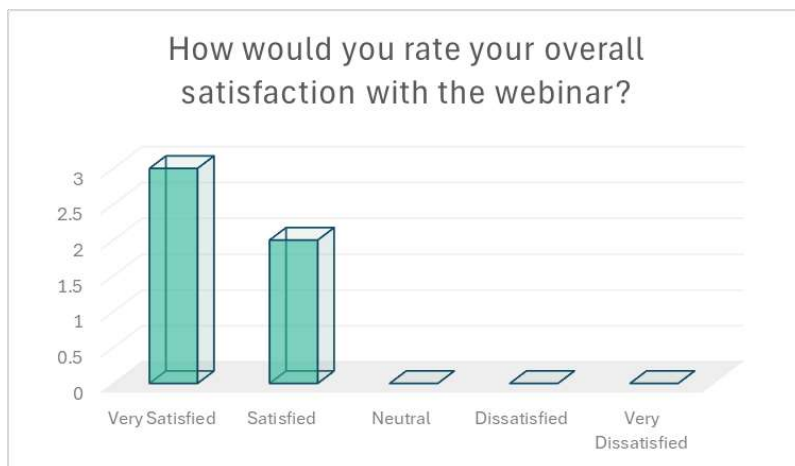


Figure 10. Confidence in Applying Knowledge



Overall satisfaction with the webinar was high, with 60% respondents being "Very Satisfied" and 40% being "Satisfied." No respondents were dissatisfied or neutral, reflecting a strong overall approval.

Figure 11. Webinar Overall Satisfaction

The majority of participants found **information** about the webinar through "Social Media Platforms" (60%), followed by "E-mail and newsletters" (20%), and a few through other specified sources (20%). No participants reported finding out via the project's website or word of mouth.

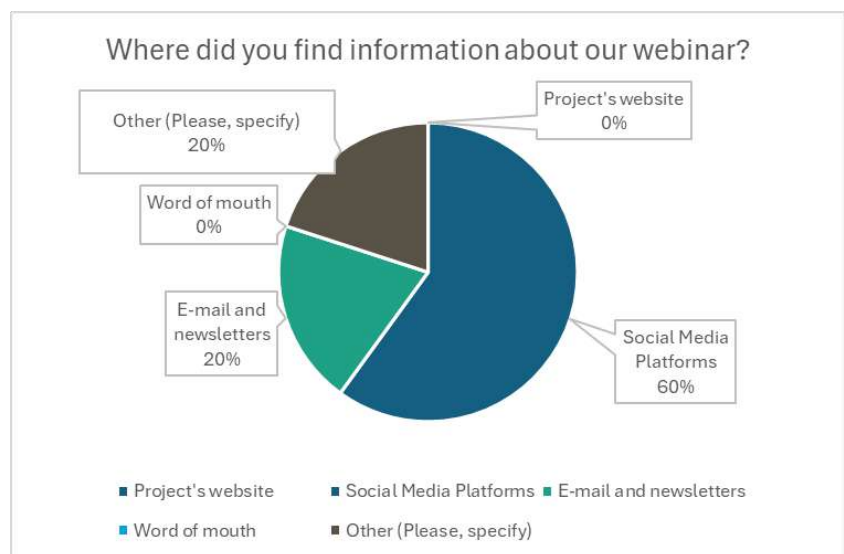
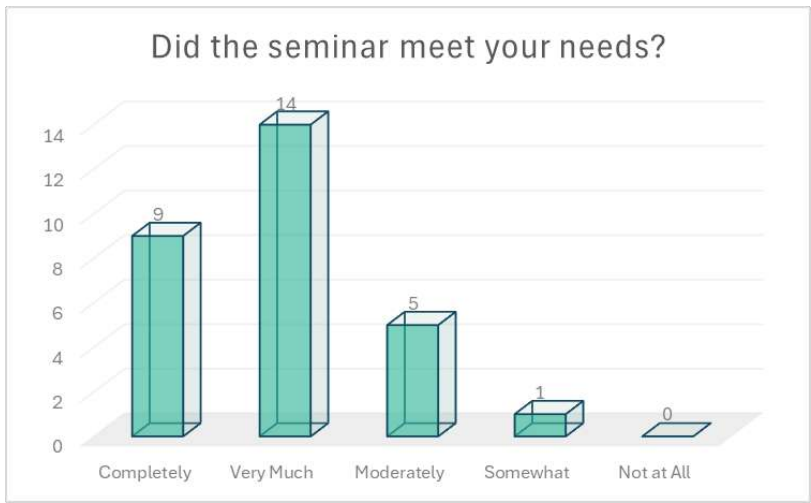


Figure 12. Webinar Sources of Information

Feedback towards the improvement indicated a desire for a shift in focus. Specifically, respondents suggested reducing the emphasis on methods and study procedures and increasing the focus on results, impacts, and implications. This adjustment could enhance the practical value and relevance of the content presented.

Seminar in Italy

The **seminar in Italy** was organised on May 3rd, 2024, with 29 (external) participants (54 in total). The form was circulated on-site, and the results were aggregated by APRE, serving as organiser. Below are the main outcomes.



The seminar largely **met participants' needs**, with 9 out of 29 respondents indicating it met their needs "Completely", and 14 respondents rating it as meeting their needs "Very Much". A smaller group found it to meet their needs "Moderately" (5 respondents), and only one respondent felt it met their needs "Somewhat".

Figure 13. Italian seminar overall rating

The relevance of the **topics covered** in the seminar was **highly rated**. Nine participants found the topics to be "Extremely" relevant, and 14 found them "Very Much" relevant. Five respondents rated the relevance as "Moderately", and one found it "Somewhat" relevant. No participants rated the relevance as "Not at All".

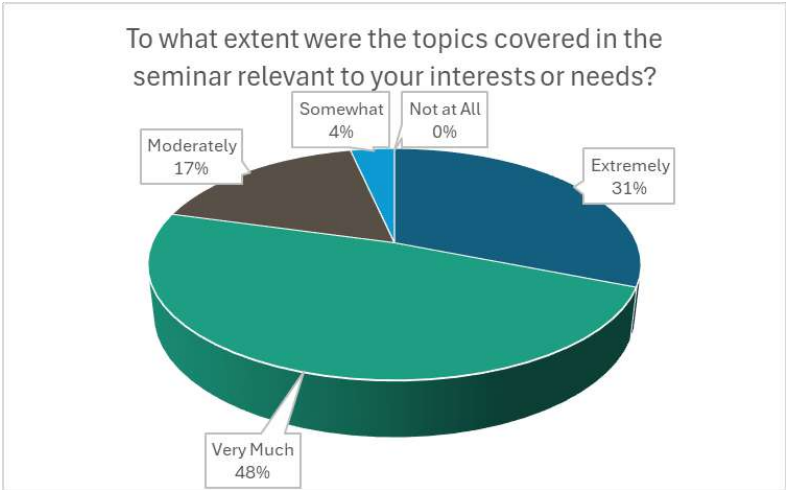
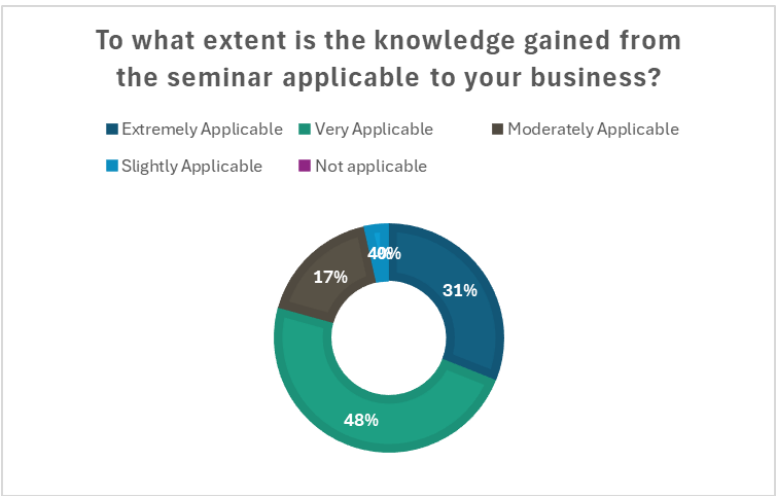


Figure 14. Italian Seminar relevance of the topic covered



Most participants found the **knowledge gained** from the seminar to be **highly applicable** to their business. Nine respondents rated it as "Extremely Applicable", and 14 rated it as "Very Applicable". Five found it "Moderately Applicable", while one found it "Slightly Applicable". No respondents found the knowledge to be "Not Applicable".

Figure 15. Italian seminar applicability of knowledge gained to the business

Participants generally felt more confident and prepared to apply what they learned. Nine felt "Extremely" confident, and 11 felt "Very Much" confident. Eight respondents felt "Moderately" confident, and one felt "Slightly" confident. No participants felt "Not at All" confident.

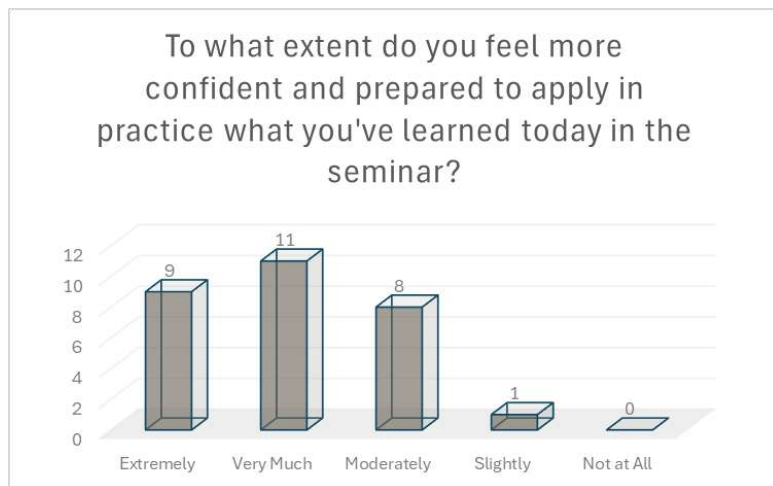


Figure 16. Italian seminar confidence to apply knowledge

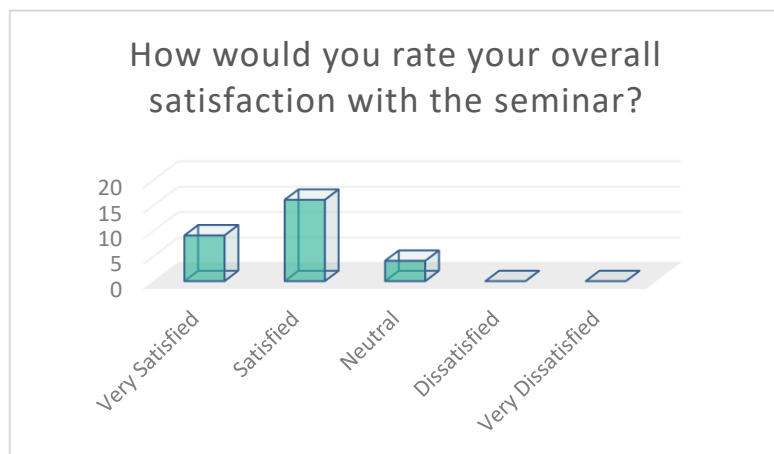


Figure 17. Italian seminar overall satisfaction

Overall satisfaction with the seminar was positive, with 9 participants being "Very Satisfied" and 16 "Satisfied". Four respondents were "Neutral" about their satisfaction. No participants were "Dissatisfied" or "Very Dissatisfied".

Participants learned about the seminar through various channels. The most common source was "E-mail and Newsletters" (11 respondents), followed by "Word of Mouth" (8 respondents). "Social Media Platforms" were noted by 4 respondents, and 6 participants found out through other unspecified means. No respondents mentioned the project's website as a source.

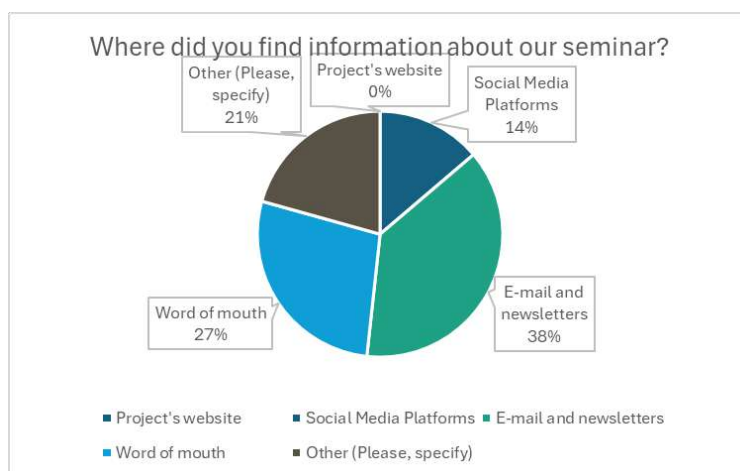


Figure 18. Italian seminar sources of information

Suggestions for Improvement

- **Perspective on Biomethane:** One participant suggested that the seminar had insufficient coverage of biomethane, which is relevant for the Italian context. They noted that the seminar focused more on general biogas rather than electrical biogas, which is more suited to the Italian Hub due to farm sizes. The seminar did mention a national call for biomethane and related regulations, but the participant felt a deeper focus on these aspects would have been beneficial.
- **Duration of the Seminar:** Eight participants expressed concerns about the seminar’s length, noting that it was too long and prevented them from fully attending both sessions. They preferred shorter, thematic seminars over a single full-day event. This feedback corresponded with some lower satisfaction ratings, particularly among those who answered "Neutral" or "Satisfied" instead of "Very Satisfied".
- **Absence of NIMBY Speakers:** One participant felt the seminar was too one-sided in favour of biogas implementation and would have benefited from hearing directly from NIMBY (Not In My Back Yard) opponents. The absence of such perspectives was seen as a limitation in balancing the discussion.

Seminar in Denmark

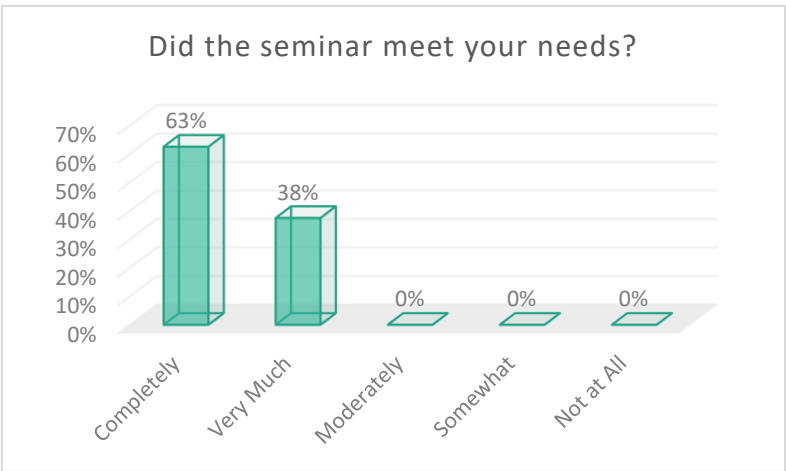


Figure 19. Danish seminar overall rating

The **seminar in Denmark** was organised on July 12th, 2024 with 48 external participants (55 in total). The form was circulated on-site, and the results were aggregated by FBCD, serving as organiser. Below are the main outcomes.

A significant portion of the participants (63%) felt that the seminar fully met their needs. However, no respondents indicated that the seminar met their needs only "Moderately" or "Somewhat".

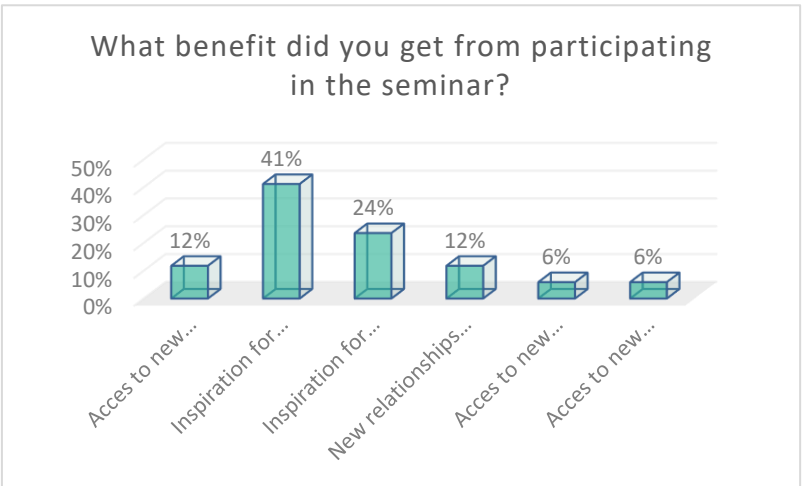
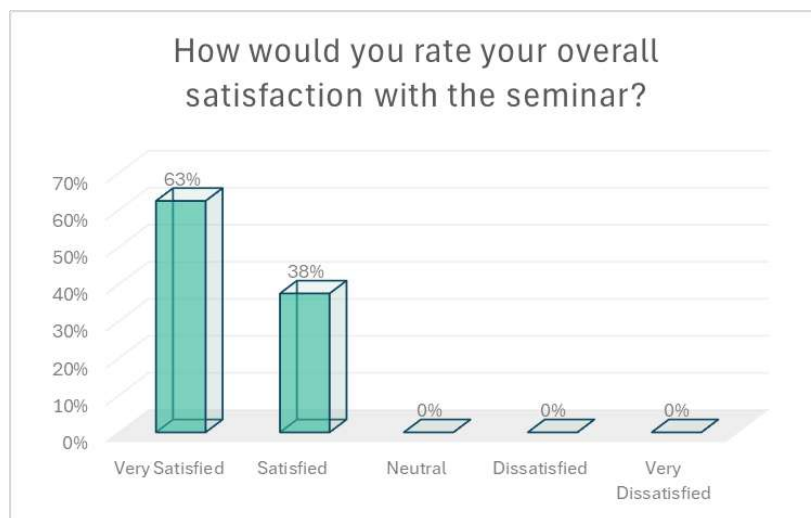


Figure 20. Danish seminar benefits gained

The seminar's primary **benefits** were fostering **entrepreneurship and business start-up ideas**, along with promoting internationalisation. Additionally, participants valued new knowledge for business development and networking opportunities, though to a lesser extent.



Most **participants** (63%) were "**Very Satisfied**," and 38% were "Satisfied." There were no responses indicating "Dissatisfied", or "Very Dissatisfied". This suggests a **generally positive** but not outstanding level of overall satisfaction.

Figure 21. Danish seminar overall satisfaction

The primary source of information for participants was "Word of Mouth", accounting for 16.7% of responses. No participants cited other sources, such as the project's website or social media.

Suggestion for improvements

- One participant suggested focusing on opportunities for farmers in the green transition, particularly mentioning Gråsten Landbrugsskole. This indicates an interest in more targeted content relevant to agricultural stakeholders.
- Participants appreciated being introduced to a new business opportunity related to collecting and utilising produced CO₂, which was seen as a valuable addition.
- There was high satisfaction with the execution of the event and the catering, indicating that logistical aspects were well-received and contributed positively to the overall experience.

6. First Validation Workshop

The workshop aimed to present **ALFA's performance and results** to date, gather feedback from **Advisory Board (AB) members and other stakeholders**, and **fine-tune ALFA's measures**. This includes validating the **effectiveness** of business and technical services, capacity-building initiatives, and regional awareness campaigns. The event was a key part of Task 4.1 “Monitoring and evaluation of project activities”. Content development involved collecting and analysing feedback, and presenting various aspects of the ALFA project, including business and technical services, capacity-building efforts, and the monitoring and evaluation framework.

6.1.1 Prior organisation

Several **preparatory steps** were undertaken to ensure the successful organisation of the ALFA First Virtual Validation Workshop. Initially, **invitations** and an **agenda** were created and distributed to potential participants. Q-PLAN set up an online **registration form** to manage attendee sign-ups efficiently. To determine the most suitable date, EDF circulated a Doodle poll, and the final date was selected based on the responses. In terms of participant management, registrations were processed, and **additional invitations** were sent to other relevant members beyond the Advisory Board, by ALFA partners. A **calendar invitation**, including the MS Teams **link**, was provided, and **reminders** were sent to ensure participant attendance. Regarding **content** development, responsible ALFA partners crafted their presentations in order to present the ALFA activities and results, up to that point. In parallel, a Mural Board was prepared to be used in interactive sessions on feedback collection.



Figure 22. First Validation Workshop Agenda

6.1.2 The Event

The **ALFA First Virtual Validation Workshop**, titled "Unlocking the Biogas Potential", was held on **July 10th 2024**, from 09:00 to 11:00 CET via MS Teams. It was organised by Q-PLAN with support from EDF, the workshop brought together **22 participants** for a focused two-hour session.

To accommodate participants across the EU, the workshop was held **online** using MS Teams for smooth **interaction** and real-time collaboration, with the ability to **record attendance** and manage discussions efficiently.

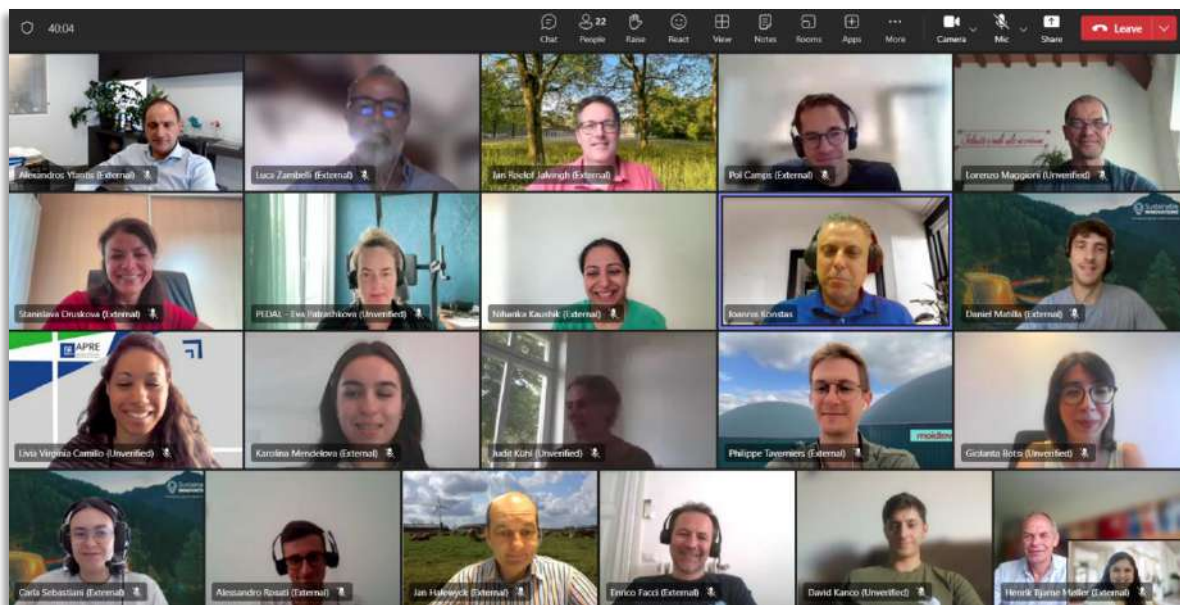


Figure 23. ALFA First Validation Workshop

The event was structured into **two main sessions**. The first session provided an overview of ALFA's activities, achievements, and the monitoring and evaluation framework and the results. The second session focused on validation and feedback, using Mural (see Figure 24 below) for interactive discussions and collecting insights from participants. Overall, the workshop was designed to engage key stakeholders and refine ALFA's strategies based on their input.

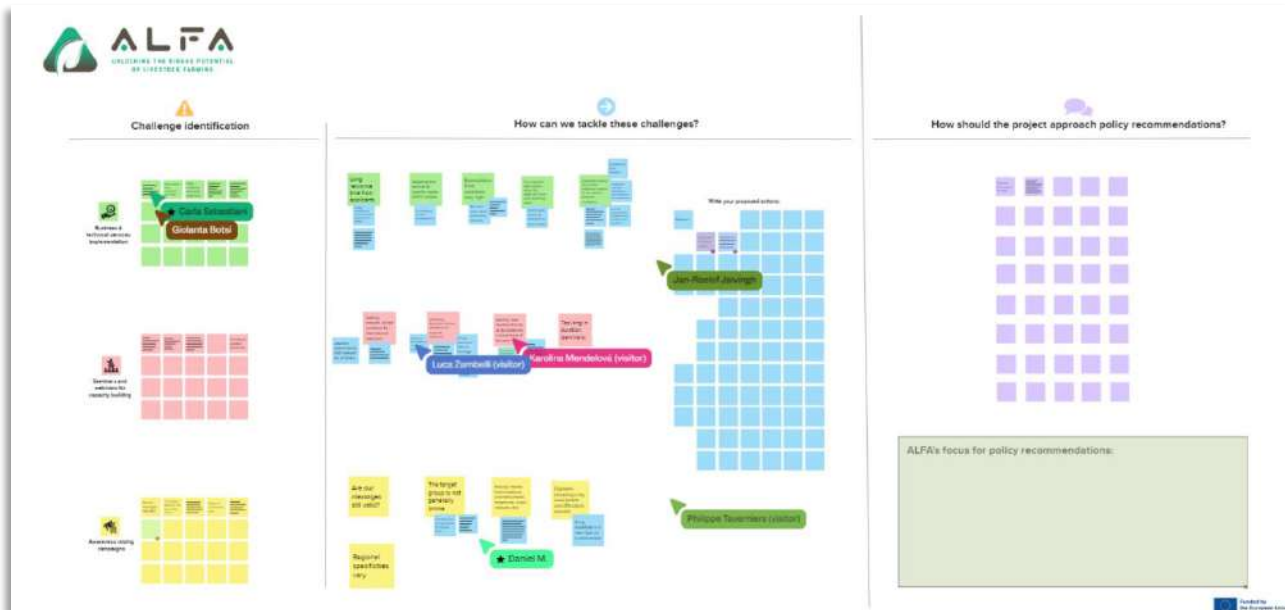


Figure 24. Mural Board during first Validation Workshop

All the supportive materials for the implementation of the First Validation Workshop are annexed in Annex III which includes the list of participants, agenda, photos, presentation, Mural board, invitation and registration.

7. Outcomes and Summary of Improvements

This following part presents the outcomes derived from the data collection and validation workshop, highlighting the insights gained which contributed to the fine-tuning of the project's strategies and objectives.

7.1 Outcomes from the first round of ALFA support measure deployment

Service Provision:

- Clarification of time needed beforehand, with clear action plans and clear deadlines
- Sharing previously reported services examples
- Shorting the application procedure
- Customising services to better fit specific needs
- Using ALFA hubs as mentors to help applicants choose the right services, or implementing a decision-making process
- Collaborating among partners to provide comprehensive services
- Provision of list of consultancies for deeper analysis, when it falls out of ALFA services

Capacity Building:

- Addressing global topics relevant for all partners
- Enhancing promotion for webinars through partners' networks
- Using livestock fairs as leverage or farmer associations and other types of organisations as allies
- Selecting convenient timing for the regional seminars (writing a calendar for different countries, that shows busy months of the farmers in each region)
- Focusing on relevant and innovative topics and solutions
- Making seminar sessions interactive to avoid fatigue

Awareness and Engagement:

- Creating traditional awareness materials like leaflets and fair presentations or articles in relevant magazines, along with the ALFA project's outcomes and the benefits of support measures
- Using direct contact methods and exploring alternative channels like Telegram or WhatsApp
- Engaging with farmers through livestock fairs and associations, or farmers that are already cooperating around one bigger plant
- Enhancing promotion for webinars through partner networks
- Creating also on-site events to engage them

Additional Ideas Generated

- Upgrading the electrical grid to handle biogas plant output
- Exploring biogas storage or purification methods for better utility
- Addressing digestate management and its positive aspects

7.2 Summary of Improvements

Service Provision

Ensure flexibility in communications with awardees to manage time and effort efficiently; and streamline the application process while providing support from ALFA hubs as needed. Adapt service provision to meet the specific needs of awardees.

Capacity Building

Promote global topics for webinars widely to attract more participants. Engage local associations and select convenient dates for seminars to enhance local participation. Additional indicative training topics to consider include:

- Upgrading the electrical grid to accommodate biogas plant outputs
- Exploring biogas storage and purification methods for improved utility
- Addressing digestate management and its benefits

Awareness-Raising

Engage directly with farmers also through direct contact exploring alternative channels where appropriate to increase awareness and participation. Engaging with farmers through livestock fairs and associations and creating on-site events.

8. Conclusions and Next Steps

The **development of the ALFA framework** follows a **multi-layered approach** to ensure the effective monitoring and evaluation of biogas market uptakes support measures within the livestock farming sector. The process begun with the identification of clear **objectives and activities**, which served as the foundation for the framework. For each objective, SMART **indicators** were selected, ensuring that progress could be accurately tracked and evaluated. These indicators are **paired with targeted questions** and expected results, tailored to the needs of the ALFA's various **target groups**, including **service beneficiaries, seminar and webinar participants, and the public reached by awareness-raising campaigns**.

Data collection is planned and executed to gather insights from all relevant engaged persons. **Anonymised questionnaires and surveys** are used to protect participants privacy while capturing valuable data on the effectiveness of ALFA's interventions. Data collection methods are **adaptable**, with **online and onsite** options available to accommodate the **diverse contexts of the project's activities**. The collected data provide a basis for analysis, helping to **measure the impact** of support services, capacity-building activities, and awareness campaigns. The data collection for the first round has been completed.

Following the initial data collection and analysis, a **validation workshop** has been conducted with experts in the field. This workshop serves as a critical platform for reviewing the project's effectiveness and gathering feedback on the results obtained. During the implemented first validation workshop experts provided insights utilised in fine-tuning the subsequent ALFA measures, ensuring that they remain responsive to the evolving needs of the project and its stakeholders.

The results of the workshop highlighted both strengths and areas for improvement in ALFA's approach. The validation process **confirmed the effectiveness of existing measures** while identifying **opportunities for enhancement**.

The next steps will focus on the second round of ALFA support measures, following a similar approach across the three main pillars of the project:

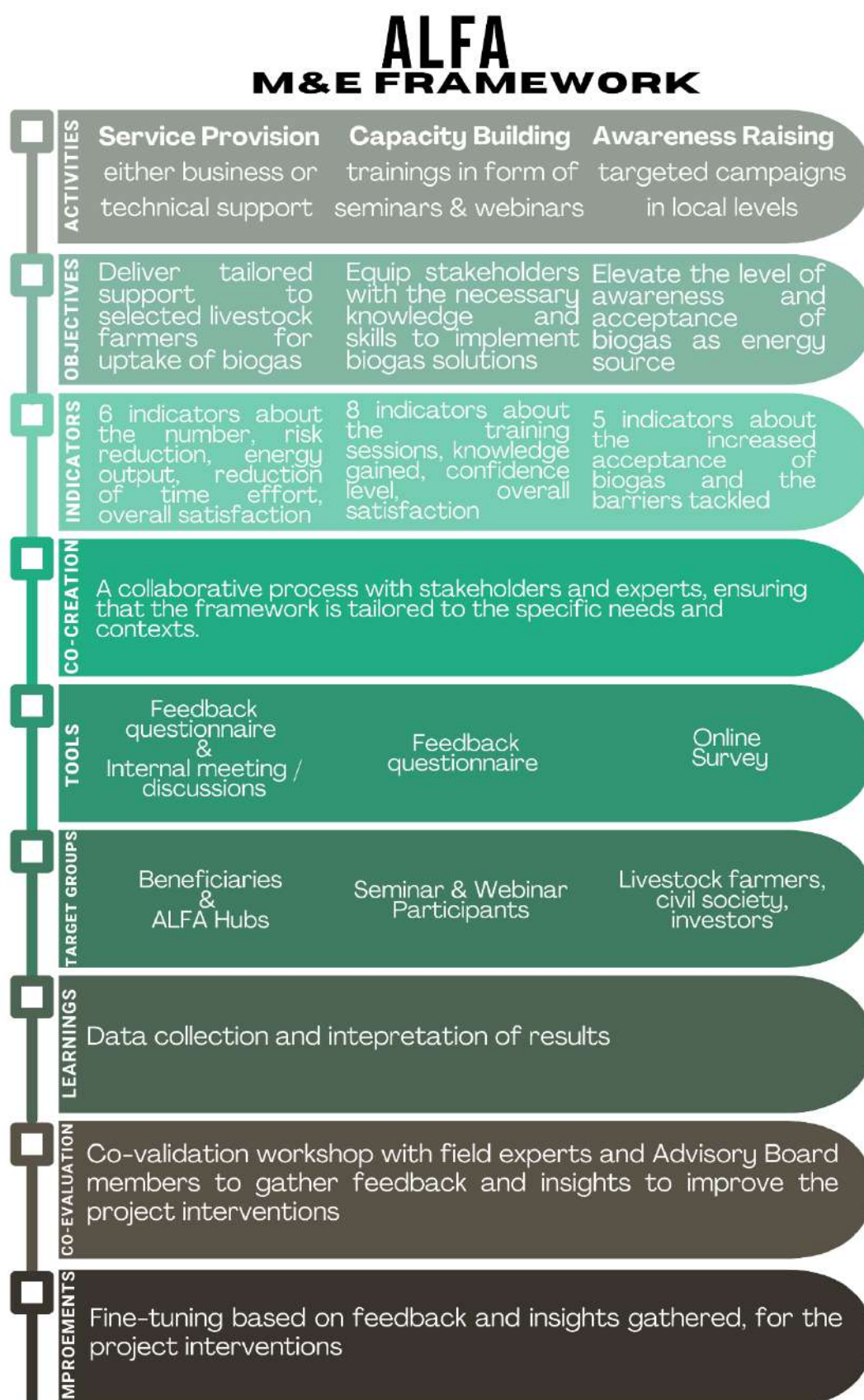
- **Service provision:** Feedback questionnaires will be distributed to supported cases after the second round of service delivery.
- **Capacity building:** Activities will be completed by the end of the second round, and participants' feedback will be collected after each event using feedback questionnaires.
- **Awareness-raising campaigns:** The online survey will be relaunched at the end of the second round to assess the level of acceptance of biogas following two rounds of awareness campaigns.
- **Validation workshop:** A second validation workshop will be held after the completion of the second round to further refine the ALFA support measures.

The outcomes will not only inform the final adjustments to the services but will also provide insights for the project's **replication guide** and **policy briefs**.

Overall, the iterative process contributes significantly to the ongoing development and success of ALFA support measures, providing a clear path forward for implementing improvements and achieving the project's goals. The structured approach, from building the framework to validating and refining the support measures, has established a strong foundation for the ongoing success of the ALFA project in advancing sustainable energy solutions across Europe.

9. Annexes

9.1 Overall ALFA Framework



9.2 Questionnaires

Feedback from [service beneficiaries](#)

Feedback Form

Feedback from services' beneficiaries

This form seeks your insights on the service provision through the ALFA project. Your feedback is invaluable and will assist us in continuous improvement and enhancement of our services. The survey is anonymous, and your responses will be kept confidential.

ALFA will disregard any personal data that is inadvertently included. For further details on personal data, please refer to the [Privacy Policy](#) Notice. It should take approximately 3 minutes to complete. Thank you for sharing your thoughts with us.

[Συνδεθείτε στο Google](#), για να αποθηκεύσετε την πρόοδό σου. [Μάθετε περισσότερα](#)

* Υποδεικνύει απαιτούμενη ερώτηση

What services did you receive? *

- ☐ Market Research
- ☐ Business Modelling and Planning
- ☐ Access to Finance
- ☐ Corporate and Sustainable Finance
- ☐ Farmer to Farmer Advice
- ☐ Concept Design and development of biogas system
- ☐ Evaluation of biogas potential based on preliminary calculations
- ☐ Energy and environmental analysis assessing the energy and carbon footprint across the life cycle
- ☐ Consultancy on the implementation and monitoring of biogas solutions
- ☐ Technical support for farmers in the evaluation and comparison of plant suppliers' quotes

To what extent did the service meet your expectations? *

- ☐ The service exceeded my expectations.
- ☐ The service met my expectations.
- ☐ I am neutral about the service meeting my expectations.
- ☐ The service did not fully meet my expectations.
- ☐ The service fell far below my expectations.

What is the expected power output of your biogas system, measured in kilowatts (kW)? Please refer to the provided service report for the specific details. *

Η απάντησή σας:

To what extent has your comfort level in investing in biogas changed compared to before, indicating a perceived reduction in risk? *

- ☐ Much More Comfortable
- ☐ More Comfortable
- ☐ Neutral
- ☐ Less Comfortable
- ☐ Much Less Comfortable

To what extent did our services contribute to the efficiency (in terms of time and effort) of realizing your future project? *

- ☐ Extremely
- ☐ Significantly
- ☐ Moderately
- ☐ Slightly
- ☐ Not at All

Are you planning to proceed with your project within the next 5 years? *

- ☐ Definitely Yes
- ☐ Likely
- ☐ Undecided
- ☐ Unlikely
- ☐ Definitely Not

How would you evaluate the application process? *

- ☐ Excellent
- ☐ Above Average
- ☐ Average
- ☐ Below Average
- ☐ Poor

Where did you find information about our service provision and open calls? *

- ☐ Project's website
- ☐ Social Media Platforms
- ☐ E-mail and newsletters
- ☐ Professional associations/cooperatives
- ☐ Other:

What could be improved? *

Η απάντησή σας:

[Υποβολή](#) [Εκκαθάριση φόρμας](#)

Μην υποβάλλεις ποτέ ευαχρήσιμα προσωπικά σου στοιχεία Google. Αυτός ο χώρος αποθηκεύει από καιρού σε καιρό τα δεδομένα σου.

Feedback from [seminar participants](#)



Feedback Form for Seminar Participants

This form seeks your insights on the seminar of the ALFA project. Your feedback is invaluable and will assist us in continuous improvement and enhancement of our activities. The survey is anonymous, and your responses will be kept confidential.

ALFA will disregard any personal data that is inadvertently included. For further details on personal data, please refer to the [Privacy Policy Notice](#). It should take approximately 3 minutes to complete. Thank you for sharing your thoughts with us.

Ευχαριστούμε την Google, για τη προσφορά της της εμπειρίας της. Μόλις το συμπληρώσετε.

* Ηλεκτρονικός επικοινωνία με τον ALFA

Did the seminar meet your needs? *

☐ Completely
☐ Very Much
☐ Moderately
☐ Somewhat
☐ Not at All

To what extent were the topics covered in the seminar relevant to your interests or needs? *

☐ Extremely
☐ Very Much
☐ Moderately
☐ Somewhat
☐ Not at All

To what extent is the knowledge gained from the seminar applicable to your business? *

☐ Extremely Applicable
☐ Very Applicable
☐ Moderately Applicable
☐ Slightly Applicable
☐ Not Applicable

To what extent do you feel more confident and prepared to apply in practice what you've learned today in the seminar? *

☐ Extremely
☐ Very Much
☐ Moderately
☐ Slightly
☐ Not at All

How would you rate your overall satisfaction with the seminar? *

☐ Very Satisfied
☐ Satisfied
☐ Neutral
☐ Dissatisfied
☐ Very Dissatisfied

Where did you find information about our seminar? *

☐ Project's website
☐ Social Media Platforms
☐ E-mail and newsletters
☐ Word of mouth
☐ Other: _____

How can the seminar be enhanced or improved? Your suggestions on potential changes or additional efforts are valuable to us.

Η πρόταση σας:

Υποβολή

Επιστροφή φόρμας

Μην αναρτάτε κατά λάθος τις πληροφορίες στην Public Forum Google

Αυτή η φόρμα δημιουργήθηκε από την Google με το [Google Forms](#).

Google Φόρμες

Feedback from [webinar participants](#)



Feedback Form

Feedback from webinar participants

This form seeks your insights on the webinar of the ALFA project. Your feedback is invaluable and will assist us in continuous improvement and enhancement of our activities. The survey is anonymous, and your responses will be kept confidential. When providing free-text comments, please refrain from including any personal data (e.g. names, contact details). ALFA will disregard any personal data that is inadvertently included. For further details on personal data, please refer to the [Privacy Policy Notice](#). It should take approximately 3 minutes to complete. Thank you for sharing your thoughts with us.

(Υπεύθυνος και Google, για τις επικοινωνίες της με το ALFA. Μόλις ημερομηνία)

* Υπεύθυνος email: [info@alfa.eu](#)

Please rate the webinar on the following aspects: content, speaker, relevance, duration, and interactivity.

☐ Excellent
☐ Above Average
☐ Average
☐ Below Average
☐ Poor

To what extent is the knowledge gained from the webinar applicable to your business?

☐ Extremely Applicable
☐ Very Applicable
☐ Moderately Applicable
☐ Slightly Applicable
☐ Not Applicable

To what extent do you feel more confident and prepared to apply in practice what you've learned today in the webinar?

☐ Extremely
☐ Very Much
☐ Moderately
☐ Slightly
☐ Not at All

How would you rate your overall satisfaction with the webinar? *

☐ Very Satisfied
☐ Satisfied
☐ Neutral
☐ Dissatisfied
☐ Very Dissatisfied

Where did you find information about our webinar? *

☐ Project's website
☐ Social Media Platforms
☐ E-mail and newsletters
☐ Word of mouth
☐ Άλλο

How can the webinar be improved? Your suggestions on potential changes or additional efforts are valuable to us.

Υποβολή

Επιστροφή φόρμας

Ημερομηνία και ώρα υποβολής: 10/10/2023 10:10:10 AM

Αυτή η φόρμα δημιουργήθηκε με το Google Forms

Google Φόρμες

Awareness Raising Campaign [Survey](#)



* What is your country of residence?

- ☐ Belgium
- ☐ Denmark
- ☐ Greece
- ☐ Italy
- ☐ Slovakia
- ☐ Spain

* Does a biogas plant create socio-economic benefits?

- ☐ 1 - Biogas development has a negative impact on citizens' socio-economic conditions.
- ☐ 2 - Biogas development has a moderately negative impact on citizens' socio-economic conditions.
- ☐ 3 - Biogas development has a neutral impact on citizens' socio-economic conditions.
- ☐ 4 - Biogas development creates a moderate benefit on citizens' socio-economic conditions.
- ☐ 5 - Biogas development creates a strong benefit on citizens' socio-economic conditions.

* Does a biogas plant create environmental benefits?

- ☐ 1 - Biogas development has a negative impact on the environment.
- ☐ 2 - Biogas development has a moderately negative impact on the environment.
- ☐ 3 - Biogas development has a neutral impact on the environment.
- ☐ 4 - Biogas development creates a moderate benefit on the environment (e.g., lower CO2).
- ☐ 5 - Biogas development creates a strong benefit on the environment (e.g., lower CO2).

* Does a biogas plant contribute to create a sustainable and inclusive agriculture (e.g., gender inclusive)?

- ☐ 1 - Biogas development has a negative impact on the creation of a sustainable and inclusive agriculture.
- ☐ 2 - Biogas development has a moderately negative impact on the creation of a sustainable and inclusive agriculture.
- ☐ 3 - Biogas development gives a neutral contribution to the creation of a sustainable and inclusive agriculture.
- ☐ 4 - Biogas development gives a moderate contribution to the creation of a sustainable and inclusive agriculture.
- ☐ 5 - Biogas development gives a strong contribution to the creation of a sustainable and inclusive agriculture.

Soumettre

9.3 Validation workshop support material

9.3.1 *The list of participants*

Full Name	Gender	Organisation	Stakeholder Category
Andromachi Kalaouzi	Female	Q-PLAN International	SMEs / Business Consultant
Karolina Mendelova	Female	PEDAL	SMEs / Business Consultant
Stania Druskova	Female	PEDAL Cons.	SMEs / Business Consultant
Eva Patrashkova	Female	PEDAL Consulting	SMEs / Business Consultant
Livia Virginia Camillo	Female	APRE	Academia/Research
Expert 1	Male	Boerenbond/EDF	Farmer Associations
Expert 2	Male	Slovak Biogas Association	Biogas Associations
Expert 3	Male	Valbiom	Biomass Associations
Expert 4	Male	HABIO	Biogas Associations
Expert 5	Male	Provincie Drenthe	Policy Advisor
Alessandro Rosati	Male	AzzeroCO2	Sustainability Consultant
Expert 6	Male	GGZETA	Sustainability Consultant
Expert 7	Male	Aarhus Universitet	Academia/Research
Niharika Kaushik	Female	EDF	Farmer Associations
Carla Sebastiani	Female	SIE	SMEs / Business Consultant
Pol Camps	Male	White Research	SMEs / Business Consultant
Enrico Facci	Male	AzzeroCO2	Sustainability Consultant

Full Name	Gender	Organisation	Stakeholder Category
Judit Kuehl	Female	European Dairy Farmers e.V.	Farmer Associations
Ioannis Konstas	Male	Q-PLAN INTERNATIONAL ADVISORS	SMEs / Business Consultant
Giolanta Botsi	Female	Centre for Research and Technology Hellas	Academia/Research
Expert 8	Male	Freelancer	Academia/Research
Daniel Matilla	Male	Sustainable Innovations	SMEs / Business Consultant

9.3.2 *The agenda of the event*



Virtual Validation Workshop

Unlocking the biogas potential

Wednesday, July 10th 2024

09:00 – 11:00 CET

FORMAT: ONLINE (MICROSOFT TEAMS)



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the European Union**

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Agenda

Duration	Topic	Organisation
WELCOME		
5'	Start of Meeting - Welcome	Q-PLAN INTERNATIONAL
10'	Tour de la table	All
5'	Presentation of the ALFA project Objectives and scope of the virtual validation work-shop	Q-PLAN INTERNATIONAL
SESSION 1: Overview of ALFA		
35'	ALFA Activities 1 st Round Achievements [Presentation of service provision, capacity building and awareness-raising campaign]	SUSTAINABLE INNOVATIONS Q-PLAN INTERNATIONAL CENTRE FOR RESEARCH & TECHNOLOGY HELLAS AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA
10'	Overview of Monitoring and Evaluation Framework [Developed indicators, tools and timeline]	Q-PLAN INTERNATIONAL
10'	Short Break	
SESSION 2: Validation and Feedback Session		
10'	Data Collection and Preliminary Findings [Discussion on preliminary findings and insights from the first round]	Q-PLAN INTERNATIONAL
30'	Iterative Improvements of Support Measures - Proposed improvements based on preliminary findings - Pain Points Definition - Improvements - Insights for policy recommendations [Feedback and recommendations from Advisory Board members, Open floor for comments and suggestions] Feedback will be provided by the utilisation of online tools such as Miro possibly]	SUSTAINABLE INNOVATIONS
Meeting Conclusion		

Duration	Topic	Organisation
5'	Conclusion and wrap-up of the meeting [Summary of key points and next steps, Closing Remarks]	Q-PLAN INTERNATIONAL

The link to participate, as well as the links to the interactive parts, will be sent to you in a personal email after your registration [here](#).



The project

ALFA has the objective to help unlock the EU's biogas production potential by fostering the adoption of technologies using manure to produce biogas, thus helping increase the adoption of renewable energy sources in the EU and helping reduce emissions from untreated animal waste. The project will identify drivers and barriers for the uptake of biogas in the EU livestock farming industry and will support farmers from 6 EU countries (Italy, Denmark, Belgium, Slovakia, Greece and Spain) through its own co-created solutions, including financial, business, and technical support services as well as capacity-building seminars. In parallel, the project will develop an Engagement Platform to host tools that facilitate collaboration and knowledge exchange among industry actors and provide credible estimations of each farm's biogas potential, prospect profits, and environmental and social impacts. Moreover, ALFA will inform all relevant stakeholders via awareness-raising campaigns and policy recommendations, and will provide guidelines for replication of its results in other regions.

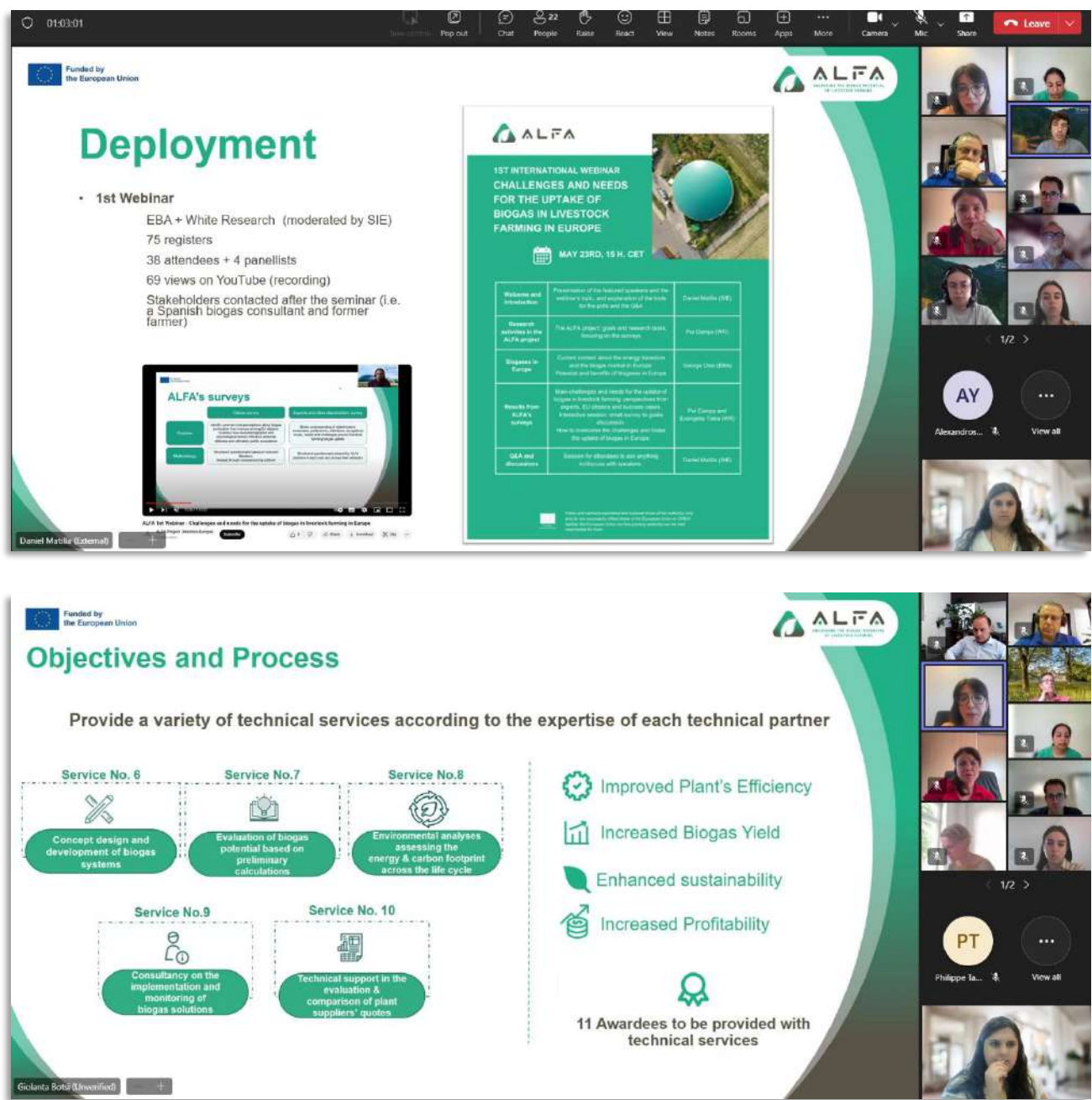
Coordinator: Q-PLAN

PARTNER		SHORT NAME
	Q-PLAN INTERNATIONAL ADVISORS PC	QPL
	AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA	APRE
	AZZERO CO2 SRL	A0CO2
	CENTRE FOR RESEARCH & TECHNOLOGY HELLAS	CERTH
	FBCD AS	FBCD
	SUSTAINABLE INNOVATIONS EUROPE SL	SIE
	WHITE RESEARCH SRL	WR
	PEDAL CONSULTING SRO	PED
	EUROPEAN DAIRY FARMERS E.V.	EDF
	EUROPEAN BIOGAS ASSOCIATION AISBL	EBA

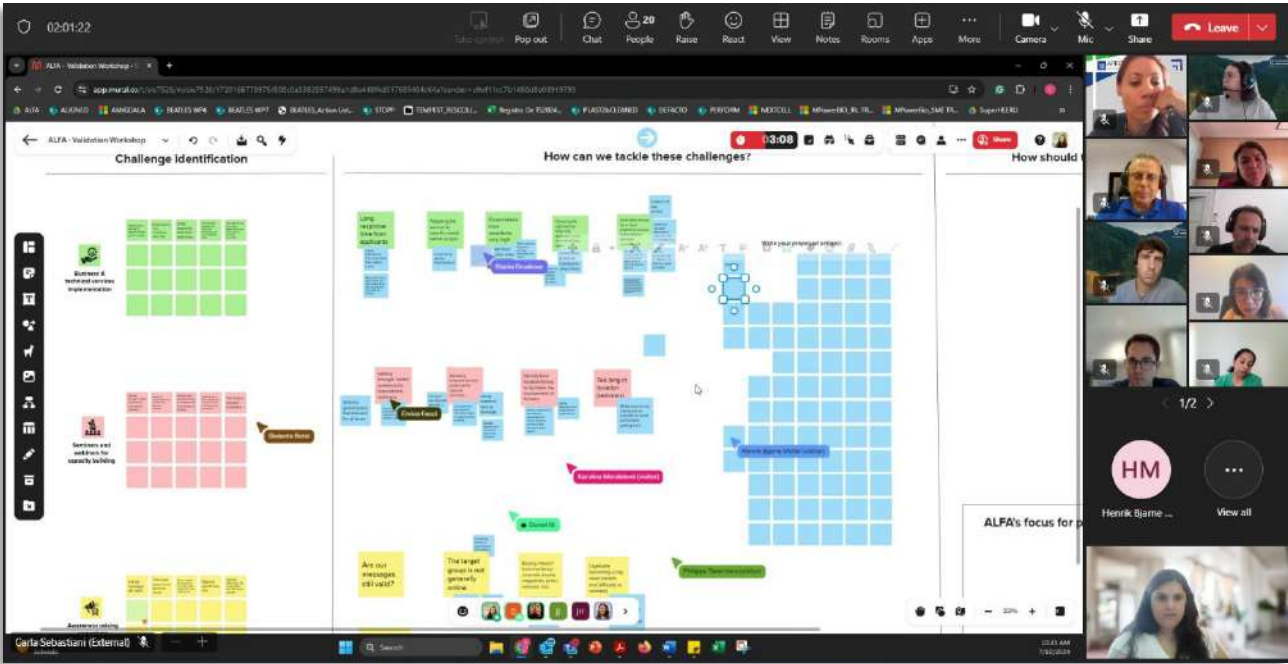
CONTACT US: info@alfa-res.eu VISIT: www.alfa-res.eu



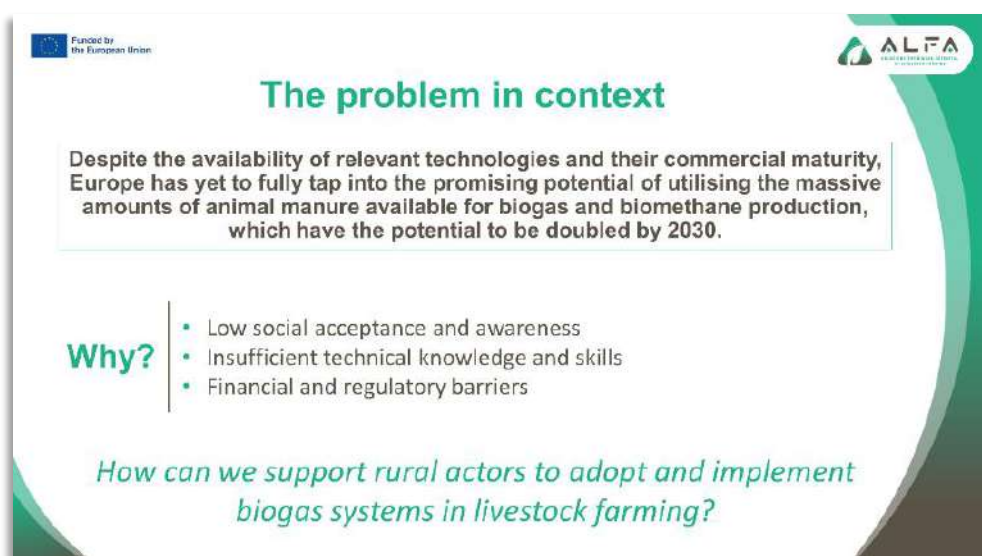
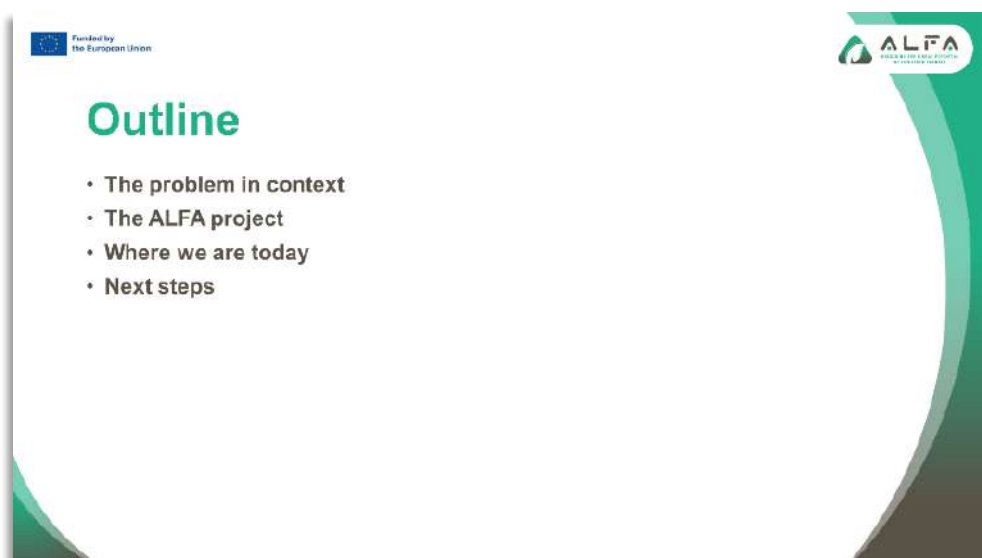
9.3.3 Photos



D4.1: Report on the deployment of ALFA Support Measures – First Round



9.3.4 Presentations



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ALFA
ANALYSING THE MARKET UPTAKE OF BIOMASS
AND FERTILISERS

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:

- 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

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ALFA consortium
10 partners, 7 countries

Q-PLAN INTERNATIONAL

APRE
Agenzia per la Promozione della Ricerca e Sviluppo

Azzeroco₂
climate in our hands

Food & Bio Cluster Denmark

Sustainable INNOVATIONS

CERTH
CENTRE FOR RESEARCH & TECHNOLOGY HELLAS

WHITE

PEDAL CONSULTING

EUROPEAN DAIRY FARMERS

EBA
European Biogas Association

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ALFA
ANALYSING THE MARKET UPTAKE OF BIOMASS
AND FERTILISERS

What we offer



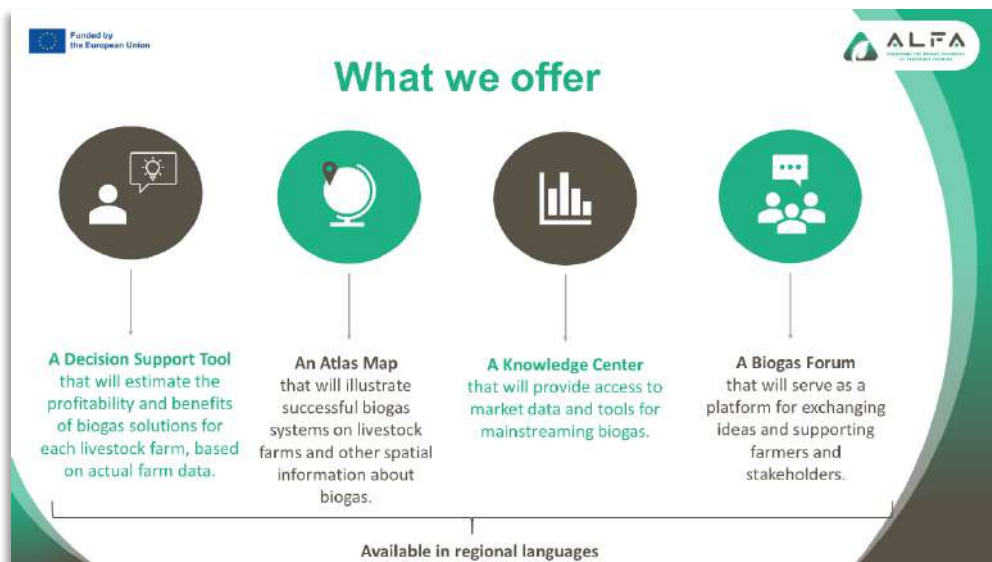
Business Support Services



Technical Support Services and consultancy



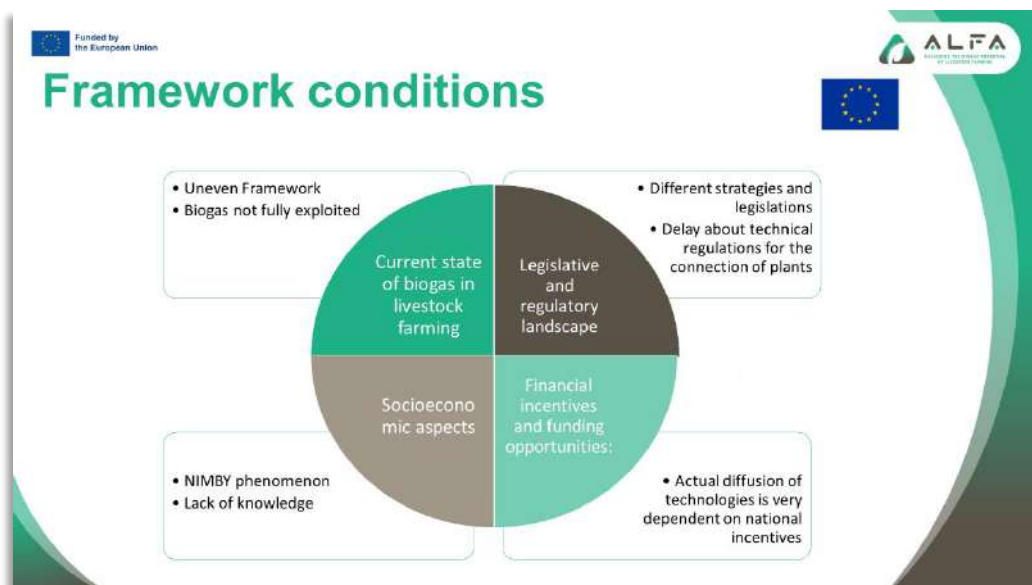
Seminars, webinars and awareness raising campaigns



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ALFA

ALFA findings on regional barriers, needs and successful cases



Funded by the European Union

ALFA
ADVANCED LIVESTOCK FARMING
ADAPTATION TO CLIMATE CHANGE

Enablers and barriers

Enablers

- Public financial support schemes for biogas injected to the grid
- Direct public financial support schemes for farmers that invest in biogas plants
- Regulatory mandates on digestate processing and manure management

Barriers

- Technical barriers:** Lack of technical knowledge and infrastructure, and technical constraints for collecting manure.
- Economic barriers:** high investment costs, investment risk and high cost of biogas production, transportation, etc.
- Institutional barriers:** uncertain policy landscape, complex administrative and legal procedures, and lack of political support.
- Socio-cultural barriers:** lack of farmers' awareness, low social acceptance, environmental concerns (e.g. odour complaints)

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ALFA
ADVANCED LIVESTOCK FARMING
ADAPTATION TO CLIMATE CHANGE

Barriers for women to be engaged in the biogas sector

- Stereotypes about gender roles
- Lack of women in decision-making positions
- Less appealing jobs in the sector for women
- Difficulties in maintaining work-life balance
- Lack of support for female entrepreneurs

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ALFA
ADVANCED LIVESTOCK FARMING
ADAPTATION TO CLIMATE CHANGE

Where we are we today?

How?

- Established 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.
- Developed 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.
- We have prepared a portfolio of business and technical support services to support the uptake of biogas systems in livestock farming.

We have supported 27 cases in six EU countries (BE, DK, ES, GR, IT, SK) to overcome existing barriers and take up biogas systems through regional Hubs.

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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)



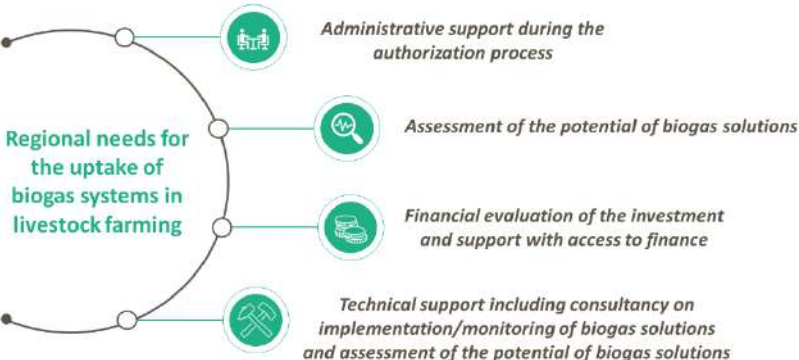
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ALFA
ANALYSING, LEARNING AND ACTING FOR THE UPTAKE OF RENEWABLE ENERGY SOLUTIONS

Needs

Regional needs for the uptake of biogas systems in livestock farming

- Administrative support during the authorization process
- Assessment of the potential of biogas solutions
- Financial evaluation of the investment and support with access to finance
- Technical support including consultancy on implementation/monitoring of biogas solutions and assessment of the potential of biogas solutions



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ALFA
ANALYSING, LEARNING AND ACTING FOR THE UPTAKE OF RENEWABLE ENERGY SOLUTIONS

Stay tuned: 2nd Open call on the Autumn 2024

- 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/>

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ALFA
ANALYSIS FOR AGRICULTURAL
AND LIVESTOCK ADVICE

Capacity Building: Webinars and Regional Seminars

During the project lifetime, a series of capacity building sessions will be delivered for the stakeholders of biogas and livestock farming, both in the ALFA regions and also for international stakeholders.

List of Topics

- Introduction to biogas: the Anaerobic Digestion process and type of technologies
- ALFA support services (Decision Support Tool, Atlas Map, Knowledge Center etc)
- Challenges and needs for the uptake of biogas in livestock farming
- Review of successful Biogas cases
- Waste management/treatment and biogas plants
- Methane emissions from biogas plants

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ALFA
ANALYSIS FOR AGRICULTURAL
AND LIVESTOCK ADVICE

Awareness Raising Campaigns: Together for biogas: what goes around, comes around...in circular economy

**“Driving clean energy to the fullest:
Let’s allow biogas to achieve its true potential!”**

- Raising awareness about biogas systems their benefits and foster acceptance by farmers and general public alike
- Inform policy makers around criticalities, barriers and needs perceived by other stakeholders
- Communicate to farmers the existing possibilities of financial support to compensate for the high initial investment costs for the implementation of biogas systems
- Make farmers more aware of the financial benefits of biogas, in order to overcome their reticence due to the perceived investment risks

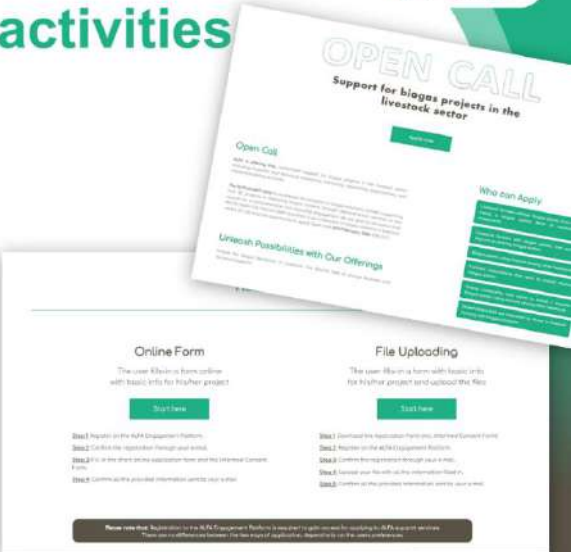
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ALFA
ANALYSIS FOR AGRICULTURAL
AND LIVESTOCK ADVICE

Methodology and activities

Engagement of projects:

1. Set target beneficiaries
2. Prepare documentation for open call (application form, selection criteria, selection process, guide for applicants, etc.)
3. Launch open call on the ALFA website, ALFA Engagement Platform, social media, etc. on Dec 2023 running for ~2 months through alfaep.eu
4. Promote open calls and engage projects
5. Assessment of applications (37 received in 1st round) and selected 28 most promising cases, against specific selection criteria.



The poster titled 'OPEN CALL Support for biogas projects in the livestock sector' includes sections for 'Open Call', 'Who can Apply', and 'Unleash Possibilities with Our Offerings'. The online form titled 'Online Form' and 'File Uploading' provides a step-by-step guide for applicants, including steps for registration, application submission, and document upload.

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Methodology and Activities

Transparency

Selection Criteria

- Profitability
- Replication potential
- Level of innovation potential
- Environmental Benefits
- Women engagement
- Geographical spread
- Clear need for support

Evaluation Criteria	Weight	Project Name [X]	Project Name [X]
Profitability	15%		
Replication Potential	15%		
Level of Innovation Potential	15%		
Environmental Benefits	15%		
Women Engagement	15%		
Geographical Spread	15%		
Clear Need for Support	10%		
Total Score of the Project	100%		

19

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Methodology and activities

Role of the **ALFA Hubs** in the engagement of cases and the delivery of the support measures

KAM Approach

```

graph LR
    A[Scanning, identification and engagement with projects] --> B[Needs analysis to define the particular requirements of each project]
    B --> C[How ready is the investment?]
    C --> D[Development of Service Action Plan with targets and KPIs]
    D --> E[Co-definition of services to be delivered]
    E --> F[Feedback collection for co-evaluation and fine-tuning]
    F --> G[Follow-up with projects until completion of support]
    G --> H[Feedback collection for co-evaluation and fine-tuning]
    H --> F
    
```

Alignment on confidentiality to protect ideas and intellectual property

Liaise with consortium experts on the support services

20

Thank you for you attention!!!

Lean more at: <https://alfaep.eu/>

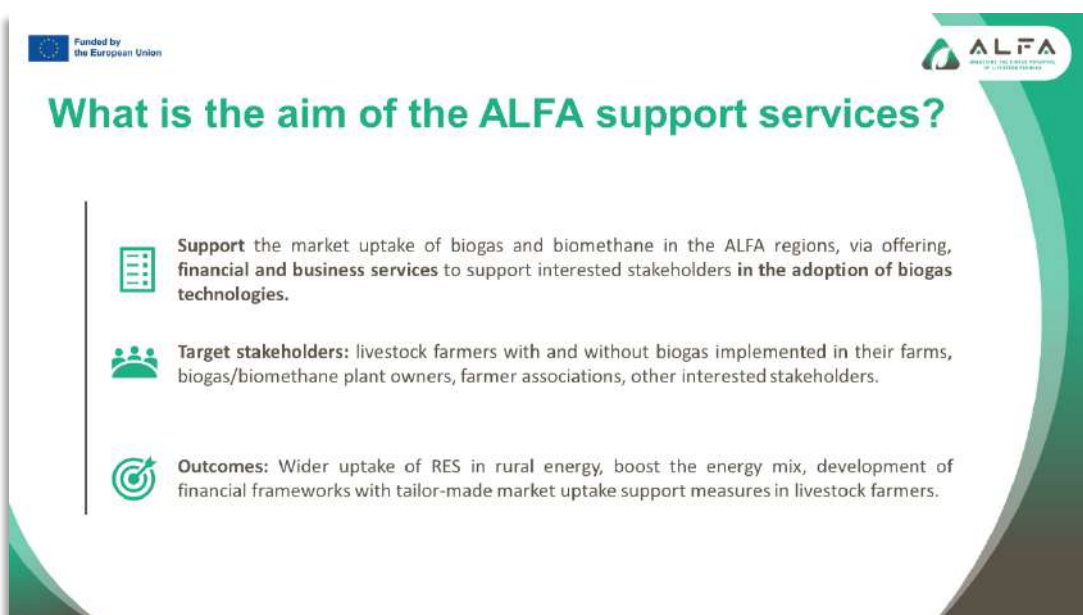
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PARTNERS

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ALFA
ALTERNATIVE LEARNING FOR ALL

Remarks

Challenges

- Adapting the service to specific needs (within scope)
- Beyond the scope of ALFA services, with high expectations
- Time management into preparatory phases (open call, need analysis, service action plan, and service data collection)
- Change in mind (needs and service) and support the applicant towards the most appropriate service
- Different needs per country
- Language barriers
- Drop Outs





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"

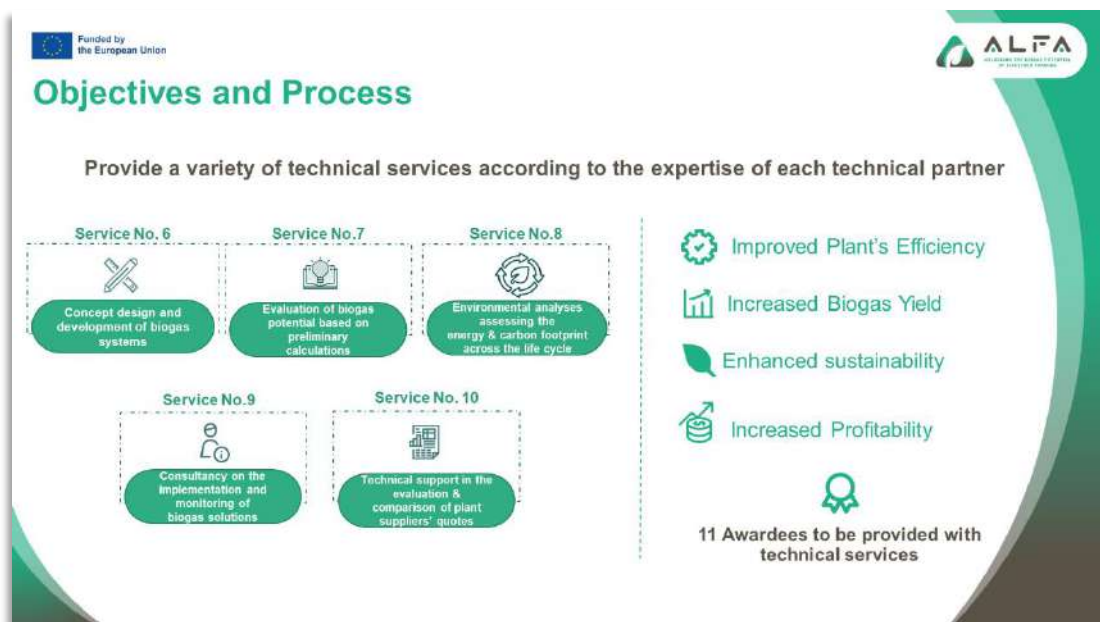
GA 101075659

Giolanta Botsi
Centre for Research and Technology Hellas
(CERTH)
TECHNICAL SERVICES PROVISION

PARTNERS:

Q-PLAN APRE AZZERO CO. CERTH Food & Bio Cluster Sustainable Development WHITE PEDAL EBA

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Objectives and Process

Provide a variety of technical services according to the expertise of each technical partner

Service No. 6
Concept design and development of biogas systems

Service No. 7
Evaluation of biogas potential based on preliminary calculations

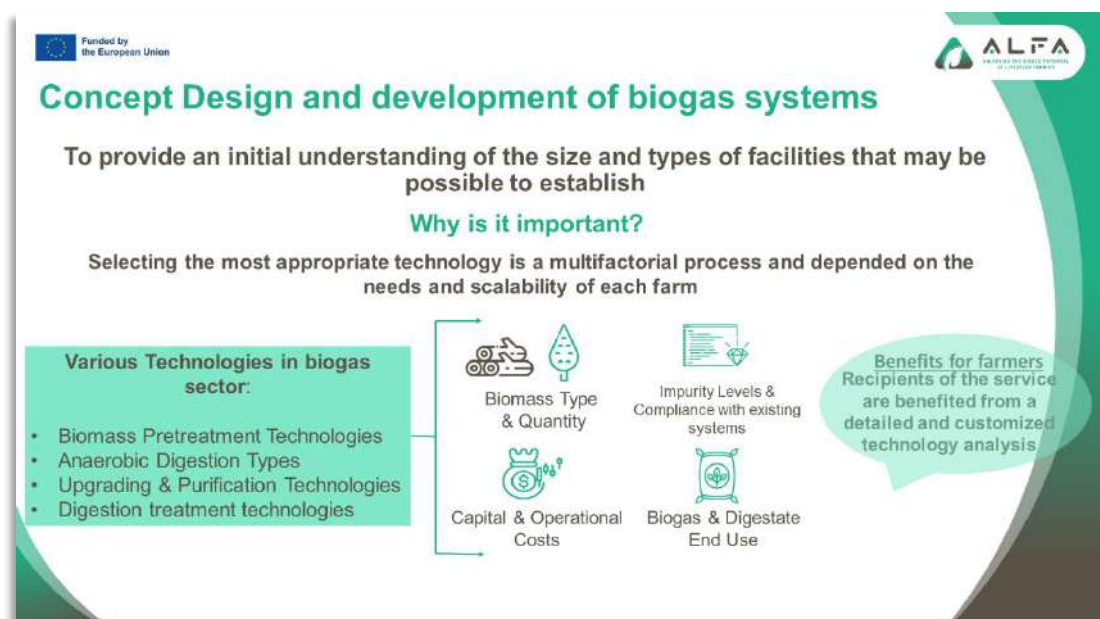
Service No. 8
Environmental analyses assessing the energy & carbon footprint across the life cycle

Service No. 9
Consultancy on the implementation and monitoring of biogas solutions

Service No. 10
Technical support in the evaluation & comparison of plant suppliers' quotes

Improved Plant's Efficiency
Increased Biogas Yield
Enhanced sustainability
Increased Profitability

11 Awardees to be provided with technical services



Concept Design and development of biogas systems

To provide an initial understanding of the size and types of facilities that may be possible to establish

Why is it important?

Selecting the most appropriate technology is a multifactorial process and depended on the needs and scalability of each farm

Various Technologies in biogas sector:

- Biomass Pretreatment Technologies
- Anaerobic Digestion Types
- Upgrading & Purification Technologies
- Digestion treatment technologies

Biomass Type & Quantity
Impurity Levels & Compliance with existing systems
Capital & Operational Costs
Biogas & Digestate End Use

Benefits for farmers
Recipients of the service are benefited from a detailed and customized technology analysis

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Evaluation of biogas potential based on preliminary calculations

To provide farmers with a preliminary estimate of biogas potential from available biomass

Why is it important?

Not all biomasses have the same biogas/biomethane yield

Benefits for farmers

Farmers will have a **realistic idea** of how much biogas the farm could potentially produce

Farmers will be able to make an **informed decision** about whether biogas makes financial sense for their operation

Farmers will get the most out of their biogas as they will be provided with **recommendations** on the best way to use it.

Manure Type	CH4 YIELD (mlCH4/gVS) Title
Sheep Manure	207
Dairy Manure	260
Donkey Manure	380
Goat Manure	500

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ALFA

Energy and environmental analyses assessing the energy & carbon footprint across the life cycle

To provide farmers with a detailed assessment of the environmental impact of their agricultural processes related to biogas production

Why is it important?

Parameters affecting the sustainability of biogas production

Benefits for farmers

Farmers will be able to identify areas where their operations are most impactful on the environment.

The service provides recommendations for improvement.

- Treatment of the liquid fraction of digestate using three different technologies

Sustainability reporting has become an increasingly important tool for assessing of the environmental footprint of various operations

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ALFA

Consultancy on the implementation and monitoring of biogas solutions

To provide expert guidance on technology/component/feedstock composition selection, and facilitate collaboration with trusted constructors

Why is it important?

Need for recipes of different feedstock types and composition to ensure high biomethane potential

Sulfide presence is one of the most important concerns in biogas production due to its toxicity and ability to damage the equipment

Benefits for farmers

Recipients of the service are benefited from a customized report on animal breeding and feedstock composition consultancy to ensure higher biogas yield

Pretreatment → High surface area

Animal breeding plays an important role in manure quality

Avoid substrates with high S content



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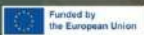
CONTACT US: info@alfa-res.eu

 ALFA Project

 alfa-euproject

 @alfa_euproject

 @alfa_euproject



PARTNERS



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

GA 101075659

Daniel Matilla
Sustainable Innovations (SIE)

CAPACITY BUILDING



PARTNERS





Overview



INTERNATIONAL WEBINARS

In English, International audience.
Online.



REGIONAL SEMINARS

One per Hub. Onsite, in the local language.

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ALFA
ANALYSIS FOR LIVESTOCK FARMING
IN EUROPEAN AREAS

Planning

- **Brainstorming with partners**
 - List of topics for webinars
 - Selection of best topics
- **Best practices**
 - Agreement on the structure and scope
 - Creation of guidelines (PDF)
 - Training about the guidelines to all partners

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ALFA
ANALYSIS FOR LIVESTOCK FARMING
IN EUROPEAN AREAS

Deployment

- **1st Webinar**

EBA + White Research (moderated by SIE)

75 registers

38 attendees + 4 panellists

69 views on YouTube (recording)

Stakeholders contacted after the seminar (i.e. a Spanish biogas consultant and former farmer)



ALFA 1st Webinar - Challenges and needs for the uptake of biogas in livestock farming in Europe

ALFA Project previous version

ALFA

1ST INTERNATIONAL WEBINAR CHALLENGES AND NEEDS FOR THE UPTAKE OF BIOGAS IN LIVESTOCK FARMING IN EUROPE

MAY 23RD, 15 H. CET

Welcome and introduction	Presentation of the featured speakers and the webinar's topic, and explanation of the tools for the polls and the Q&A	Daniel Matilla (SIE)
Research activities in the ALFA project	The ALFA project: goals and research tasks, focusing on the surveys	Poi Camps (WR)
Biogases in Europe	Current context about the energy transition and the biogas market in Europe. Potential and benefits of biogases in Europe	George Osei (EBA)
Results from ALFA's surveys	Main challenges and needs for the uptake of biogas in livestock farming: perspectives from experts, EU citizens and success cases. Interactive session: small survey to guide discussion. How to overcome the challenges and foster the uptake of biogas in Europe.	Poi Camps and Evangelia Taka (WR)
Q&A and discussions	Session for attendees to ask anything to discuss with speakers.	Daniel Matilla (SIE)

ALFA is an international project on livestock biogas with the following goals: to analyse and disseminate information on biogas in livestock farming in Europe, and to foster the uptake of biogas in livestock farming in Europe.

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ALFA
ANALYSIS FOR LIVESTOCK FARMING
IN EUROPEAN AREAS

Deployment

- **1st Webinar**

Welcome and introduction	Presentation of the featured speakers and the webinar's topic, and explanation of the tools for the polls and the Q&A	Daniel Matilla (SIE)
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Q&A and discussions	Session for attendees to ask anything to discuss with speakers.	Daniel Matilla (SIE)





Deployment

- Italian Seminar (hybrid) – around 50 participants
 - APRE
 - MO.ME.MA Fair (Tarquinia): Machinery and Agriculture Fair, where many farmers gather every year since decades
 - Speakers:
 - Lorenzo Maggioni (Institute of Atmospheric Pollution Research) IIA CNR
 - Emanuele Vicentini & Chiara Agazzi (Green Evolution SB)
 - Luca Zambelli Expert consultant on sustainability in biogas systems
 - Most of the participants were livestock farmers.
 - Speakers referred the importance of creating awareness about biogas, as it is not being promoted that much in the EU.




Seminario "Prospettive svenistiche per lo sviluppo del biogas in Italia ed in Europa"

Data: 3 MAGGIO 2024 (09:00 – 13:00)

Luogo: MO.ME.MA - Mostra Mercato Macchine Agrarie 2024 - Lido di Tarquinia (LT), 00020

AGENDA

9:00 - 9:30
Saluti di benvenuto ed introduzione al seminario – Riccardo Carilli, APRE, Agente per la Promozione Europea

9:30 - 10:00
Presentazione del progetto ALFA e delle attività di supporto (conoscenza del primo round e presentazione di secondo) – Elisabetta Basso, APRE, Agente per la Promozione Europea

10:00 - 10:45
Presentazione del Seminario Regionale Tiro al bersaglio di co-costruzione degli stakeholders – Chris Virginio Carilli, APRE, Agente per la Promozione Europea

10:45 - 11:00
Lunch break

11:00 - 11:45
Salvo Contrasto MO.ME.MA

11:45 - 12:00
Produzione di biogas e biomethane con stalla e best practice agricole – Luciano Minguzzi, CNR - IIR

12:00 - 12:45
Problematrice legale al governo autorizzativo ed all'aspettativa verde 10000 – Emanuele Vicentini, Green Evolution srl

12:45 - 13:00
Sostenibilità del settore biogas: le sfide della conciliazione delle prospettive ambientali, energetiche ed economiche con il territorio agricolo – Luca Zambelli, Consulente sostenibilità, energia rinnovabili, biogas e biomethane agricole

13:00 - 13:15
Tavola rotonda

*Modera: Elisabetta Basso, APRE, Agente per la Promozione Europea

CONTACT: info@alfa-me.eu
WWW.alfa-me.eu

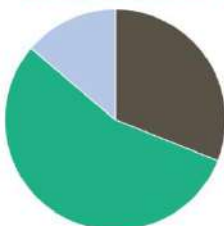





Feedback

Italian Seminar

OVERALL SATISFACTION



■ Completely ■ Very much ■ Moderately
■ Somewhat ■ Not at all

COMMENTS

- Few perspective on Biomethane in Italy presented.
- Too long duration of the seminar
- Absence of direct NIMBY speakers.





Next steps

- Seminars
 - PEDAL Slovakian Hub. October 15th. European Biomethane week
 - SIE: Spanish Hub. October 30th, SEPOR, in Lorca (Murcia)
 - FBCD: Danish Hub. Anvendelsen af afgasset biomasse ('The use of degassed biomass'), probably held on October 16.





Next steps

- Webinars (more topics tbd)

#	Topic	Partner
2	Review of successful cases	SIE + APRE + CERN
3	ALFA support services	QPLAN
4	Waste management/treatment and biogas plants	PED
5	Participatory process to involve citizens and raise awareness	AOC02
6	The use of straw and grass for biogas production	FBCD



ALFA

UNLOCKING THE BIOGAS POTENTIAL OF LIVESTOCK FARMING

www.alfa-res.eu

CONTACT US: info@alfa-res.eu

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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

T3.5 Awareness Raising Campaign

WP Leader: Riccardo Coletta, Livia Virginia Camillo, Flaminia Rocca | APRE

ALFA Validation Workshop, online, July 10th, 2024

PARTNERS



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Planning phase

➤ All the Hubs, organise **two 10-month rounds** for their **regional awareness raising campaigns** (**1st round M14-M23**; **2nd round M24-M33**). Currently, the Hubs are conducting the first round. The strategy has several versions for each country.

2




Deployment of the ARC

Overview of the ARC activities in the 6 Hubs (1st round, M13-M18):

- Social media posts: 42
- Web articles: 14
- Events organised by ALFA (online & offline): 6
- Policy roundtables: 1
- Videos, social media pills and other visual materials: 5
- Newsletters & press releases: 6
- Participation to relevant clustering events: 5
- Field visits: 2
- Biogas Forum posts: 9

3




T3.5 Challenges

Challenges	Approach to tackle them
• Initially, in the GA, the ARC was based on social media, but the stakeholders of the CCWs requested mostly offline activities.	• A dual-faceted campaign was set up: online posts reflecting the results of the offline campaign as a showcase and multiplier to wider audience.
• Due to the wide audience, it has been challenging to gather baseline data for social acceptance.	• A social media survey was administered with support of national channels.
• The campaign was harmoniously constructed among all HUBs but not all HUBs have the same effort.	• Some partners have adapted the actions to their effective implementation needs (e.g., social media pills instead of full videos).

4

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Adjustments

KEY MESSAGES	TARGET AUDIENCE	CHANNELS	COMMENTS
Addressing social barriers to the general acceptance of biogas, highlighting the advantages and sustainability of biogas systems.	General public	Social Media, Blog, Video su YouTube, Magazines	
Raising awareness about biogas systems and their benefits to incentivise biomass owners to produce and bring biogas to market	Farmers	Agriculture magazines, fairs, seminars	
Communicating existing possibilities of financial support for the implementation of biogas systems.	Farmers	Agriculture magazines, seminars	
Promotion of the environmental benefits of biogas systems (e.g., reduced greenhouse gas emissions and sustainable waste management).	Energy Industry	Conferences, White papers, scientific magazines	

5

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Specialized Magazines

Belgium:

Danmark: State of Green, LandbrugsAvisen.dk

Greece: Agrotica.gr

Italy: Ruminantia, l'Informatore Agrario, Terra e Vita

Spain: Energetica21, Revistaagricultura.com, Efeagro.com, Cocampo.com

Slovakia:

6

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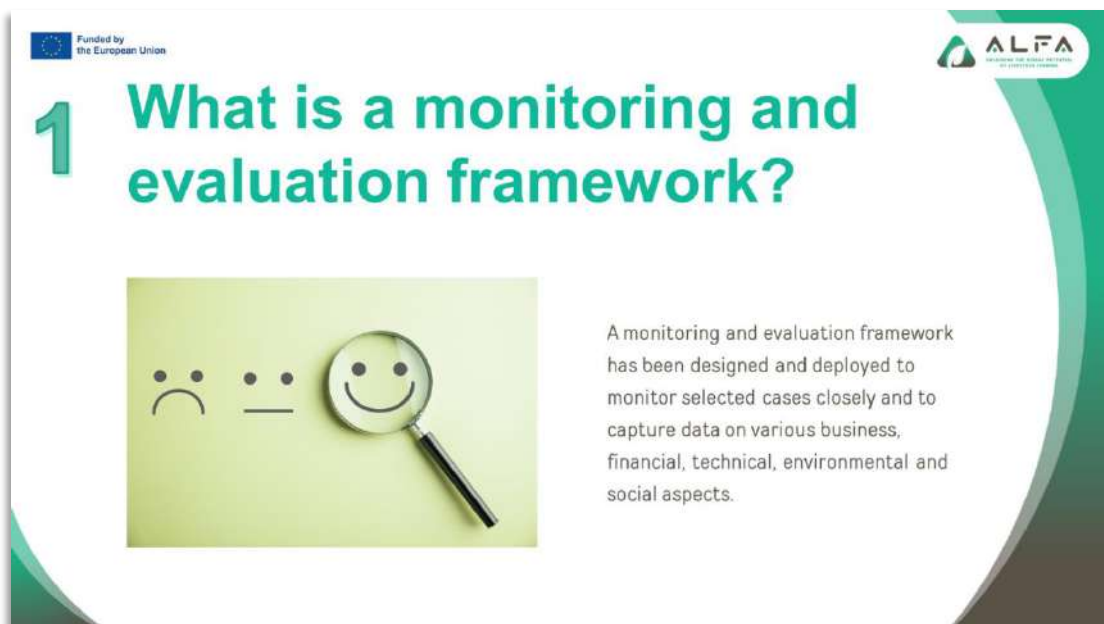
Next Steps

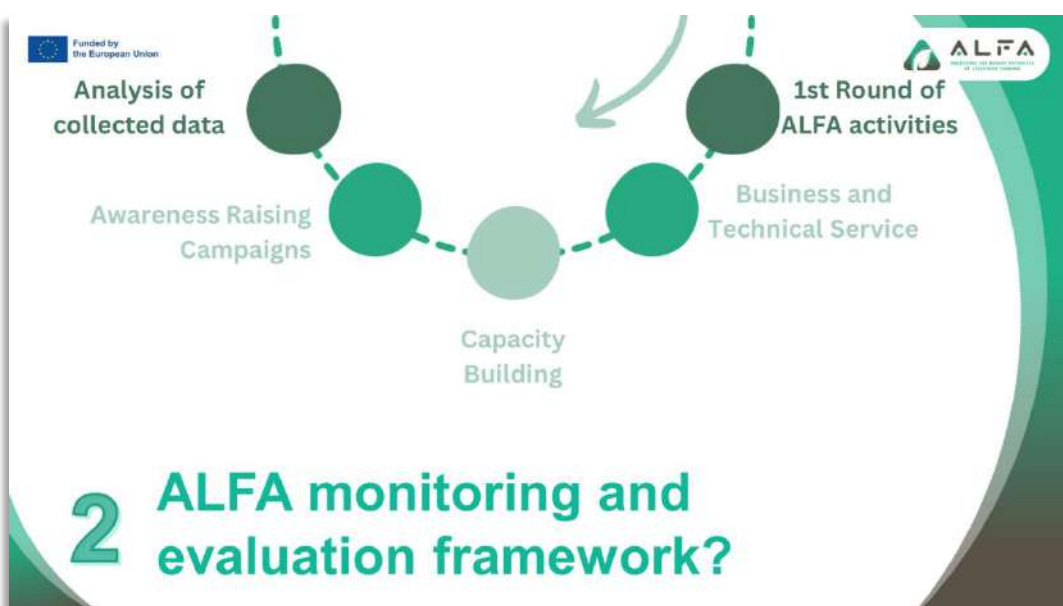
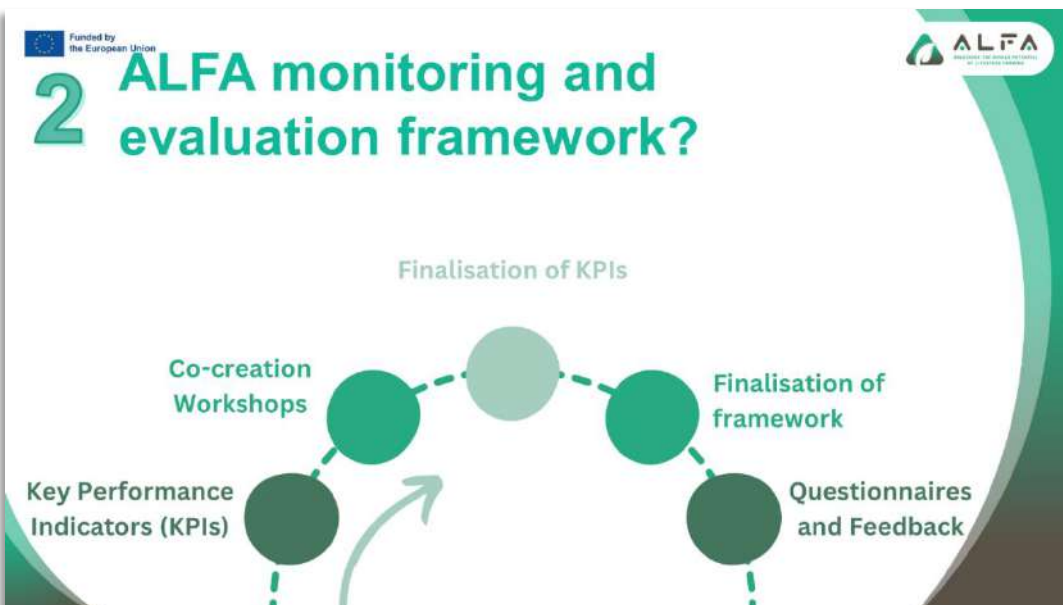
Main next foreseen steps during the 2nd period

- Continuing carrying on the Awareness Raising campaign and preparing the deployment of the 2nd round applying any necessary improvements, based on the collected feedback
- Publish Biogas chapter on a Book on Bioeconomy that includes all partners
- Finding and promoting new female role model adopting Biogas
- Video pills with sharing content for the general public

7









3 Business and Technical Services

INDICATORS

- Open Call Procedure
- Number of services received
- Perceived risk reduction of investment in biogas systems
- Projected output of biogas system
- Projected GHGs emissions reduction
- Reduction of the time/ effort needed for the development of the biogas solution
- Overall satisfaction

Feedback FORM

After the **service provision**, and by sharing the final report with **awardee an online feedback form** was shared, to receive feedback **anonymously**.

3 Capacity Building

INDICATORS

- Number of participants
- Number of seminars/ webinars
- Number of topics covered
- Knowledge Gained (Topics)
- Overall satisfaction from participants over 7

Feedback FORM

After each capacity building activity, **seminar or webinar**, an online **feedback form** was shared with the **participants**, to receive feedback **anonymously**.

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3 Awareness Raising Campaign



INDICATORS

- Number of posts
- Average engagement per post
- Total people reached
- Increased acceptance of biogas **over 25%** (via the online survey)
- Number of barriers/ gaps addressed by the campaigns compared to the ones identified



Baseline

An online short survey was conducted at the **start** of 1st round, on **social media** in **each country**.

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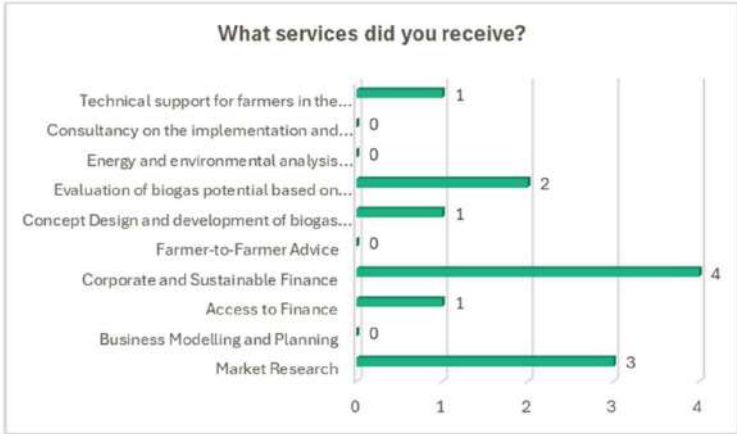
Business and Technical Services Feedback Collection

Funded by the European Union

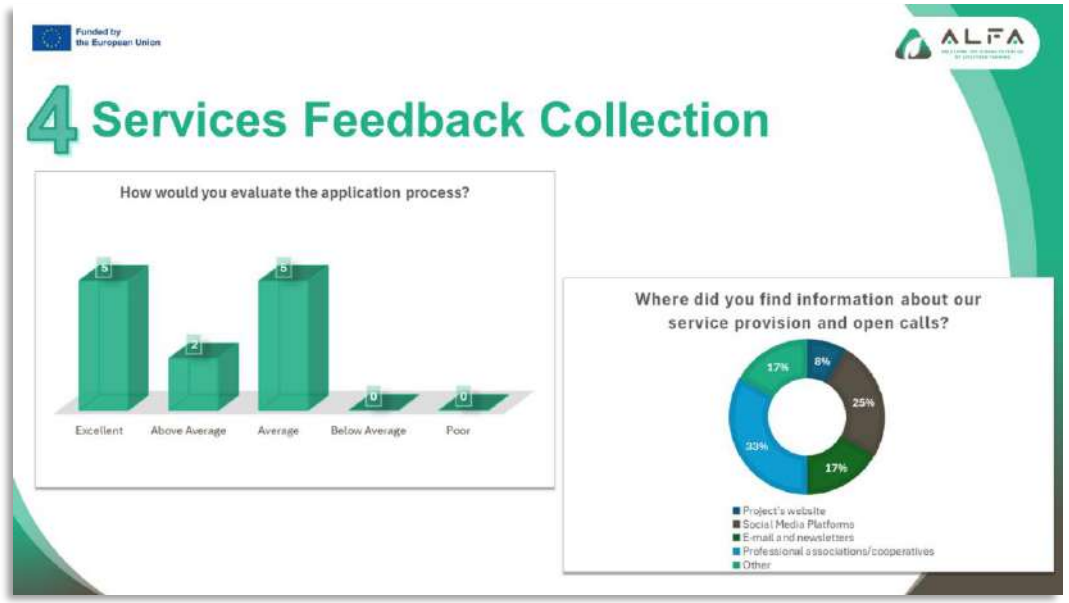
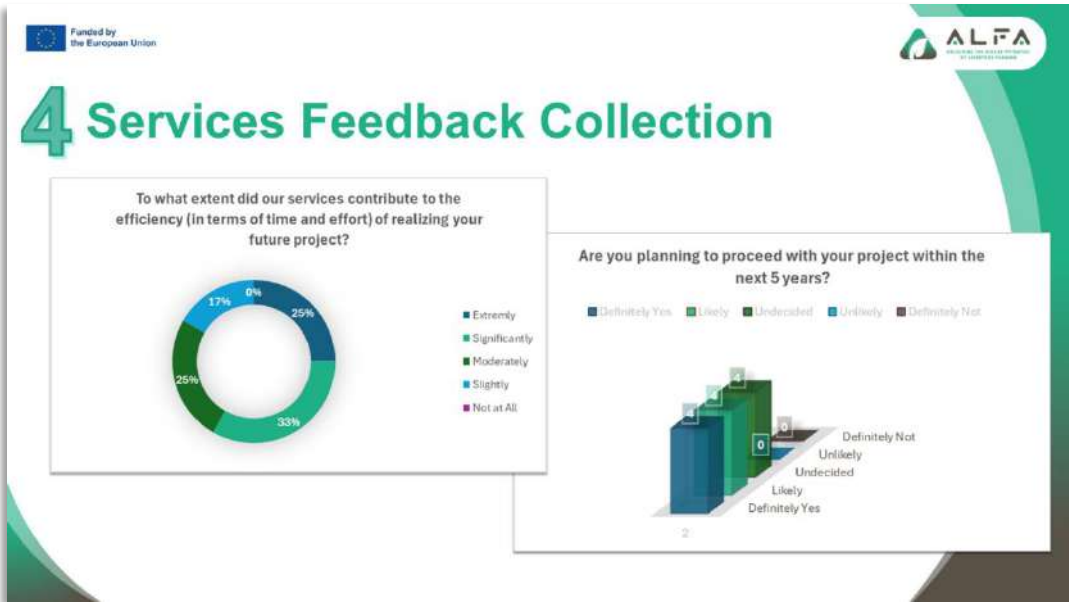
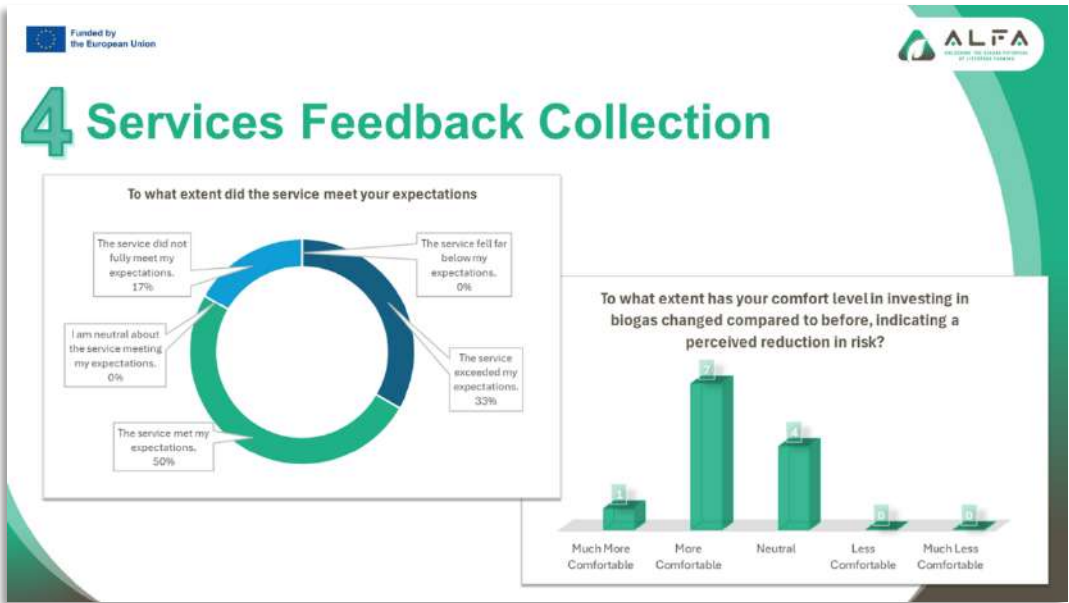
ALFA

4 Services Feedback Collection

What services did you receive?



Service	Count
Technical support for farmers in the...	1
Consultancy on the implementation and...	0
Energy and environmental analysis...	0
Evaluation of biogas potential based on...	2
Concept Design and development of biogas...	1
Farmer-to-Farmer Advice	0
Corporate and Sustainable Finance	4
Access to Finance	1
Business Modelling and Planning	0
Market Research	3





4 Services Feedback Collection

Additional Comments

- Additional Services (continuation)
- One meeting at once
- Deeper consultancy and European funds
- The timing and actuality of the project



Capacity Building Feedback Collection (Seminar)



4 Capacity Building Feedback Collection

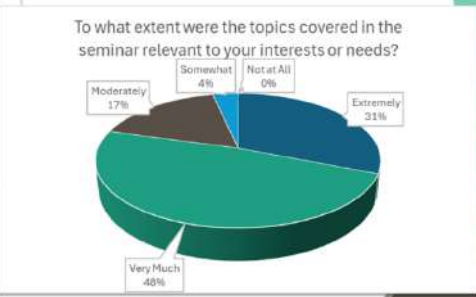
Did the seminar meet your needs?



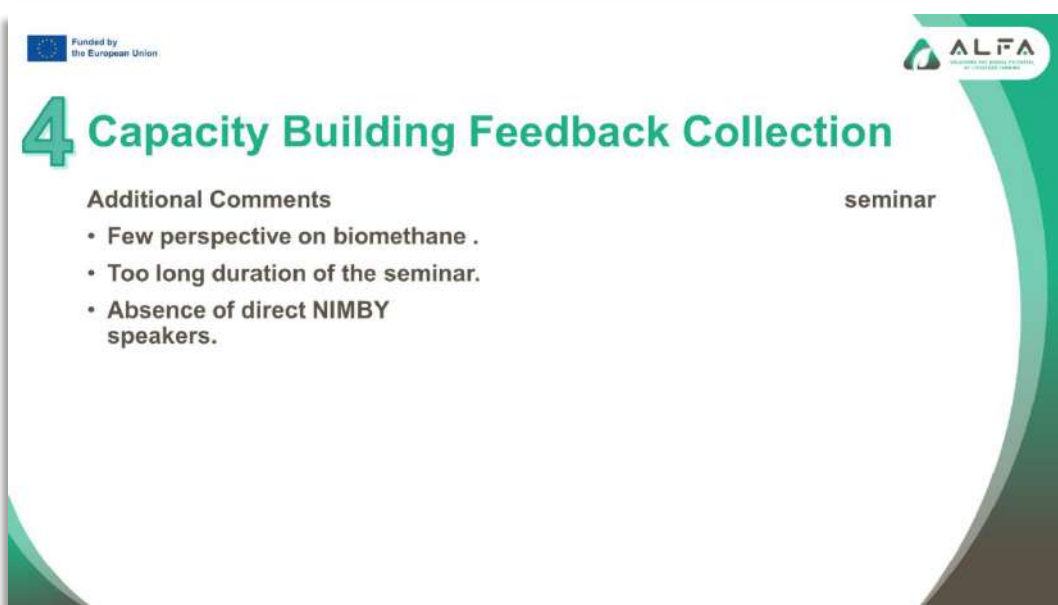
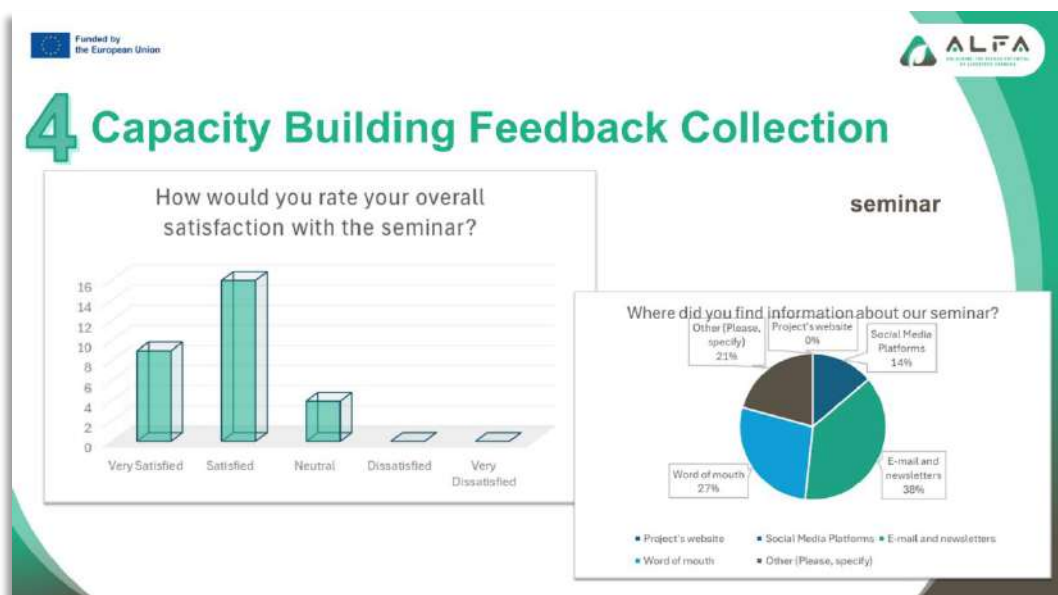
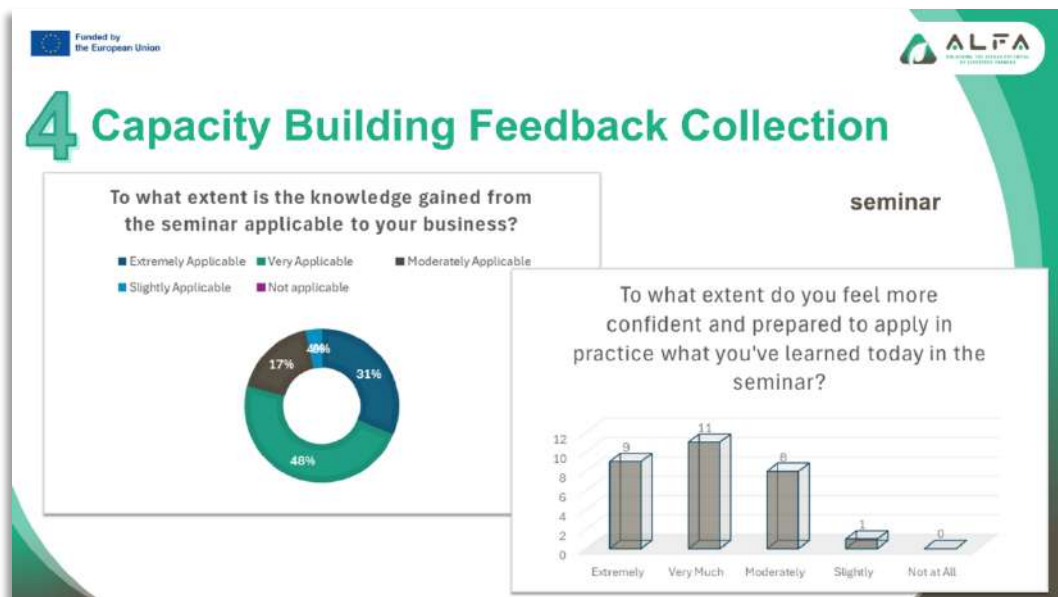
Category	Count
Completely	9
Very Much	14
Moderately	6
Somewhat	1
Not at All	0

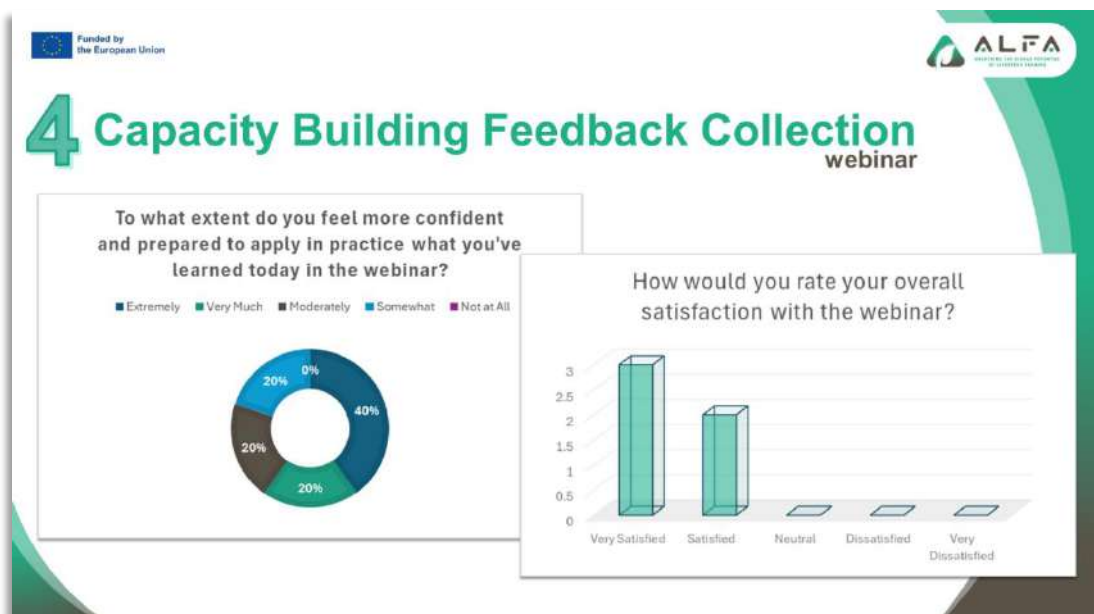
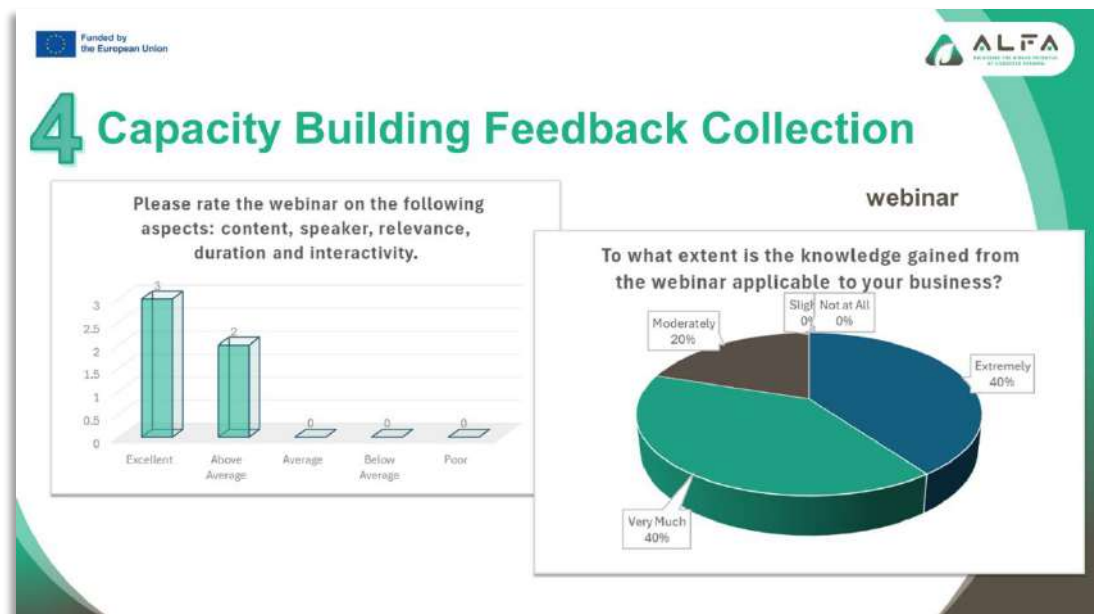
seminar

To what extent were the topics covered in the seminar relevant to your interests or needs?



Category	Percentage
Very Much	48%
Extremely	31%
Moderately	17%
Somewhat	4%
Not at All	0%



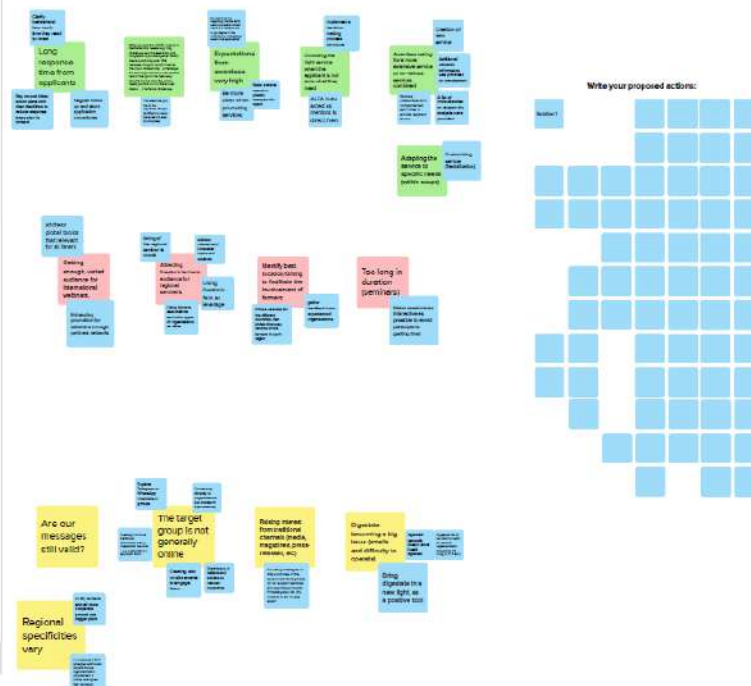


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Challenge Identification



How can we tackle these challenges?



Write your proposed actions:

How should the project approach policy recommendations?



ALFA's focus for policy recommendations:

9.3.6 Invitation

**DON'T MISS OUT ALFA'S VIRTUAL
VALIDATION WORKSHOP**

What to expect:

- Overview of ALFA monitoring and evaluation framework
- Presentation of data collection and preliminary findings
- Discussion on iterative improvements

 **Funded by the European Union**

Unlocking the biogas potential

Date: Wednesday, July 10th 2024
Time: 09:00 - 11:00 CEST
Duration: 2 hours





Dear **[Recipient]**,

We would like to invite you to participate in the upcoming **validation workshop** organized as part of the ALFA project, which aims to support the uptake of biogas solutions in livestock farming. The workshop will take place on **Wednesday, July 10th, 2024**, at 09:00 – 11:00 CEST. ALFA's support actions will include business and technical support services as well as awareness-raising campaigns and capacity-building topics.

This workshop will present and discuss the **preliminary findings** from the first round of **monitoring and evaluation of our activities**. The ALFA Advisory Board members and Biogas Experts and stakeholders are invited to **validate the results and contribute their insights** for the iterative **improvement and fine-tuning** of our support actions, along with the development of the ALFA replication guide, and policy recommendations.

Your participation in the validation workshop will offer **direct engagement with key stakeholders** and provide **firsthand access to insights** from the ALFA project's expert consultations on the current obstacles and enablers for the market uptake of biogas.

Please note that the workshop **is expected** to last approximately **2 hours** and will be held **online**. A preliminary agenda is attached to this invitation, which you can also access it [here](#).

Please click on the following link to access the **registration and consent form** for the validation workshop: [Registration and Consent Form](#). You will receive the **link** to participate **upon registration**.

Please **do not hesitate** to contact us if you have any questions or require further information.

Kind regards,

 [ALFA Project](#)

 [@alfa_euproject](#)

 [alfa-euproject](#)

 [@alfaprojectHE](#)

CONTACT US: info@alfa-res.eu **VISIT:** www.alfa-res.eu



9.3.7 Registration and Informed Consent Form



ALFA 1st Validation Workshop

This workshop aims to discuss the preliminary findings from the first round of monitoring and evaluation of our support activities. Your participation is crucial for validating these results and providing valuable feedback for the continuous improvement of our project.

Organiser: Q-PLAN INTERNATIONAL

Date and Time: Wednesday, July 10th 2024, 09:00 - 11:00 CEST

Format: Online via MS Teams

For further information contact us: [Andromachi Kalaouzi](#), [Ioannis Konstas](#)

The calendar invitation and session link will be sent to you, following successful registration.

By completing this registration form, you are helping us to organize the event efficiently and tailor the workshop content to best suit your expertise. Rest assured, any personal data collected through this form will be used solely for the purpose of organizing this workshop and will be handled in accordance with our [privacy policy](#).

Thank you for your interest and support.

** Indicates required question*

1. Email *

2. Full Name *

3. Gender *

Mark only one oval.

- ☐ Female
- ☐ Male
- ☐ Non - Binary
- ☐ Prefer not to say
- ☐ Other: _____

4. Organisation *

5. Position in the Organisation

Skip to question 6

Informed Consent Form**Who we are:**

We are [Q-PLAN INTERNATIONAL](#) and we are contacting you in the context of ALFA project funded by the European Union (Horizon Europe Framework Programme for Research and Innovation). A detailed description on how ALFA handles personal data is presented in the project's [Privacy Policy](#) available through the project's [web page](#).

Project:

ALFA - Scaling up the market uptake of Renewable Energy Systems by unlocking the biogas potential of Agriculture and Livestock Farming (GA Number 101075659).

Partner:

Organisation Name: Q-PLAN INTERNATIONAL

Address: 11, El. Venizelou st., PC 551 33, Kalamaria, Thessaloniki, Greece

Phone: +30 2310 257277 | +30 2310 411 191

E-mail: info@qplan-intl.gr

Responsible Persons:

ALFA Project Manager	Ioannis Konstas	konstas@qplan-intl.gr
ALFA Contact Person	Andromachi Kalaouzi	kalaouzi@qplan-intl.gr
Data Protection Officer	Petros Papadionisiou	papadionisiou@qplan-intl.gr

What we need from you?

Your active participation in ALFA monitoring and evaluation activities, including validation workshop for the collection of useful information based on your experience and opinions that will be used for the development and improvement of ALFA support actions.

To effectively carry out the activities of the Validation Workshop, we will need to process some of your personal data:

- Your contact details (full name, email);
- Some basic demographics (gender);
- Your professional info (organization, job position, field of expertise);

- Your experience and opinion on the subjects that will be discussed during our activities;
- Videos and photos, captured during your participation in the workshop

Why we need your data & what will we do with them?

We need your data to contact you in order to plan and carry out the activities and events of the ALFA in your field of interest and to resolve any ambiguities, questions and other issues that may arise after and as a result of the workshop. We also need to record your data to keep track of the workshop process, so as to be reported to the European Commission. The project's deliverables that will be derived by these activities will not include your personal data or any other information that could identify you. Your personal data will remain on our written notes (event's transcript).

We are also obliged to grant access to your data to:

- EU officials such as our Project Officer for purposes related to project's evaluation;
- EU agencies and other authorities for project's auditing purposes.

We would also be very happy if you gave us your consent to contact you in the future to ask you to participate in other project's activities (e.g. surveys, project events etc.) and also to inform you about the project's progress (e.g. by sending you a newsletter or similar messages).

How you can withdraw your consents?

You should know that you can withdraw your consent at any time by communicating by email with the responsible persons listed previously. With regards to the informational messages and newsletters you can always opt out by simply clicking the link "Unsubscribe" or something similar included at the end of all the relevant messages.

6. **I hereby give my consent to Q-PLAN International for the processing of my personal data needed for:** *

A detailed description of my personal data on how ALFA handles personal data in presented in the project's [Privacy Policy](#) available through the project's web page at [alfa-res.eu](#).

*(Please tick the box below to confirm that you give us your consent for the respective subject. If the box left unticked mean that **you do not consent to the relevant subject.**)*

Check all that apply.

☐ My participation in the ALFA Validation Workshop and activities related to evaluation and fine-tuning

7. **I hereby give my consent to Q-PLAN International for the processing of my personal data needed for:**

*(Please tick the boxes below to confirm that you give us your consent for the respective subject. Any boxes left unticked mean that **you do not consent to the relevant subject.**)*

Check all that apply.

- ☐ My participation in future activities of ALFA
- ☐ Receiving newsletters and messages regarding ALFA activities

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Google Forms

The project

ALFA has the objective to help unlock the EU's biogas production potential by fostering the adoption of technologies using manure to produce biogas, thus helping increase the adoption of renewable energy sources in the EU and helping reduce emissions from untreated animal waste. The project will identify drivers and barriers for the uptake of biogas in the EU livestock farming industry and will support farmers from 6 EU countries (Italy, Denmark, Belgium, Slovakia, Greece and Spain) through its own co-created solutions, including financial, business, and technical support services as well as capacity-building seminars. In parallel, the project will develop an Engagement Platform to host tools that facilitate collaboration and knowledge exchange among industry actors and provide credible estimations of each farm's biogas potential, prospect profits, and environmental and social impacts. Moreover, ALFA will inform all relevant stakeholders via awareness-raising campaigns and policy recommendations, and will provide guidelines for replication of its results in other regions.

Coordinator: **Q-PLAN**

PARTNER		SHORT NAME
	Q-PLAN INTERNATIONAL ADVISORS PC	QPL
	AGENZIA PER LA PROMOZIONE DELLA RICERCA EUROPEA	APRE
	AZZERO CO2 SRL	A0CO2
	CENTRE FOR RESEARCH & TECHNOLOGY HELLAS	CERTH
	FBCD AS	FBCD
	SUSTAINABLE INNOVATIONS EUROPE SL	SIE
	WHITE RESEARCH SRL	WR
	PEDAL CONSULTING SRO	PED
	EUROPEAN DAIRY FARMERS E.V.	EDF
	EUROPEAN BIOGAS ASSOCIATION AISBL	EBA

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