

# NEWFEED

## Turn Food Industry By-products into Secondary Feedstuffs via Circular-Economy Schemes

Grant Agreement number: 2013, Call 2020 Section 1 Farming IA

### D1.2 Advisory Board Meetings Minutes

Deliverable number D1.2

<b>Work Package WP1</b>	Alternative feed value chains appraisal through a multi-actor approach
<b>Task 1.2</b>	Advisory Board
<b>Task Leader</b>	UAGA
<b>Prepared by</b>	David San Martin and Sugoí Auzmendi
<b>Contributors</b>	David San Martin, Jone Ibarruri, Bruno Iñarra, Mónica Gutierrez, Sugoí Auzmendi
<b>Version</b>	1.0
<b>Delivery Date</b>	20/12/2021

## Foreword

The work described in this report was developed under the project NEWFEED: Turn Food Industry By-products into Secondary Feedstuffs via Circular-Economy Schemes (Grant Agreement number: 2013/Call 2020 Section 1 Farming IA). If you wish any other information related to this report or the NEWFEED project please visit the project web-site <https://newfeed-prima.eu/> or contact:

Project Coordinator:  
*David San Martin Errea* | AZTI |

WP1 Leader:  
*Foteini Salta* | SEVT |

Task Leader:  
*Sugoi Auzmendi* | UAGA |

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PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
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CO	Confidential, only for members of the consortium (including the Commission Services)	



NEWFEED is part of the PRIMA programme supported by the European Union's Horizon 2020 research and innovation programme.

The PRIMA programme is an Art.185 initiative supported and funded under Horizon 2020, the European Union's Framework Programme for Research and Innovation.

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## Introduction

An Advisory Board acting as a knowledge sharing round table will be set to analyse and validate the project objectives and results and the hurdles and bottlenecks of the whole value chain (raw material availability; valorisation strategy; feed requirements; consumer awareness). It will consist of 2-3 representative members of the main sectors or stakeholders involved in the recovery and exploitation of food by-products or potentially affected by the project's results: 1) Food companies 2) Logistic & valorisation companies 3) Feed producers 4) Livestock 5) Public authorities and Policymakers 6) Research Organizations and Universities 7) General public.

- **Food companies:** will expose the actual problem to be solved and how they can implement or not the solutions proposed inside the project or improve them by adapting to their specifically needs. They could also give their opinion in case of some pre-treatments are needed in their facilities.
- **Logistic & valorisation companies:** This sector is one the main beneficiaries of the project results because they will be able to lead the commercial exploitation of the new meals produced in other replicable regions. Expertise in logistic and/or food waste treatments, food by-product valorisation, meal producer will ensure that the solutions adopted in this project are feasible and can be carried out in other treatment handling, processing or how the new product can be commercialized. Also, the conditions to ensure the economic feasibility of the process can be discussed (volume of product, range of performance, etc).
- **Feed producers:** They will be the final users of the produced and validated meals. They will help the consortium on the requirements needed to include new ingredients in their formulations, food security specific regulations, economic issues, as well as the conditions that the new processed by-product must to satisfy to ensure a correct use.
- **Livestock:** They will give the point of view of the end consumers of animal feeds and they could help in the future success of the project by demanding the implementation of their results.
- **Public authorities and Policymakers:** Both National and European public authorities and policymakers will give the institutional opinion about the suitability of the Valorisation scheme from the legal point of view and how they can promote its implementation each in its field of application: available economical instruments, etc.
- **Research Organizations:** The solution obtained in this project, based on the reuse of spent coffee ground by-product, serve as an example to investigate other organic wastes that can be reused for animal feed. In addition, they can compare similar studies with project's results with the aim of joining forces to achieve project goal.
- **General public:** They will participate by giving their opinion. Consumer associations at national and European level will be contacted.

This Advisory Board will meet several times during the project lifetime:

- **1st Advisory Board meeting (M6).** to analyse and validate the objectives and expected results of the project. The project scope and aims will be described in detail to Advisory Board Members.
- **2nd Advisory Board meeting (M20).** to validate the proposed solution before the scaling up of the Valorisation strategies and Validation of alternative feeds
- **3rd Advisory Board meeting (M36).** to get the stakeholders feedback about Exploitation Strategy and encouraged them to participate in the new business activity.

## Agenda and Attendance

### **Meeting agenda:**

Wednesday 15th December 2021

Time	Activity
10:00 - 10:15	<b>Welcome to the meeting</b>
10:15 - 10:40	<b>Presentation of the project</b>
10:40 – 10:45	<b>Establishment of the Advisory board</b>
10:45 – 11:25	<b>Discussion &amp; main conclusions</b>

### **List of Stakeholders who attended the meeting:**

Participants	Sector	Region
<b>1</b>	Feed sector	Spain
<b>2</b>	Research	Spain
<b>3</b>	Public authorities	Spain
<b>4</b>	Livestock	Spain
<b>5</b>	Livestock	Spain
<b>6</b>	Livestock	Spain
<b>7</b>	Feed sector	Spain
<b>8</b>	Food Industry	Greece
<b>9</b>	Livestock	Greece
<b>10</b>	Public authorities	Turkey

11	Research	UK
12	Feed sector	Europe
13	Feed sector	Europe

**Gender balance of the Advisory Board:**

Gender	Number	Percentage
Women	6	46.2%
Men	7	53.8%

**List of members of the consortium who attended the meeting:**

Participants	Company	Region
1	UAGA	Spain
2	AZTI	Spain
3	AZTI	Spain
4	AZTI	Spain
5	AZTI	Spain
6	Neiker	Spain
7	RIERA NADEU S.A.	Spain
8	RIERA NADEU S.A.	Spain
9	SVET	Greece
10	SVET	Greece
11	ELGO-DIMITRA	Greece
12	UOWM	Greece
13	NTUA	Greece
14	METU	Turkey
15	HUSD	Egypt

16	HUSD	Egypt
17	HUSD	Egypt
18	ISOF	Egypt

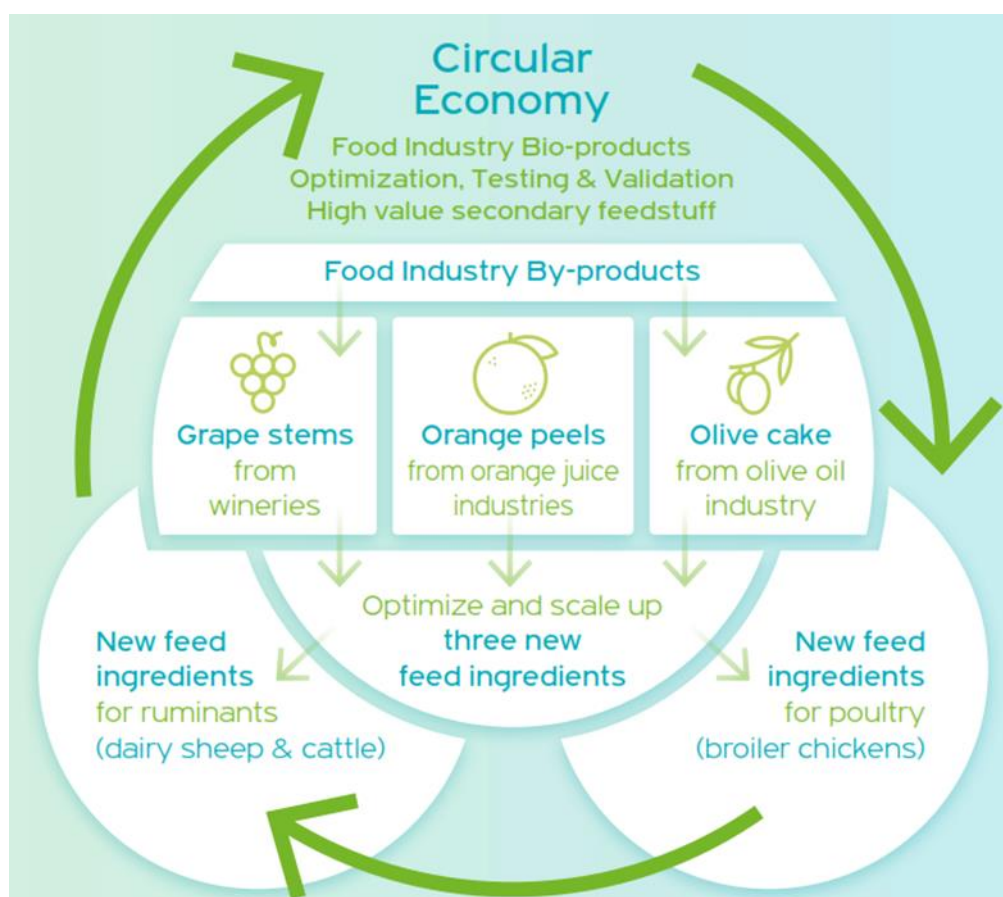
## Meeting Minutes

The meeting begins at 10:00 h with the **welcome from UAGA** to the 1<sup>st</sup> Advisory board meeting of the PRIMA NEWFEED project and thanks the attendees for their participation. Then, **AZTI** makes a brief presentation of the different participants of the projects.

At 10:15 **AZTI** ask to Advisory Member participants to make a brief presentation indicating: Name; Company and sector they represent; Interest in the project; etc.

At 10:30, **AZTI** makes a presentation of the **PRIMA NEWFEED** with a special emphasis on:

- *Advisory board expectation*
- *The overall objective of the project, budget and project duration*
- *The main characteristics and objectives of the 3 value chains*
- *Specific objectives that will be develop in the 3 value chains*
- *Expected results*
- *Work package structure*
- *Chronogram*
- *Main Challenges & Implementation strategy*



**FIGURE 1: GENERAL SCHEME OF PRIMA NEWFEED PROJECT**

At 10:40, **AZTI** launches a **round of questions** and moderate a **round table** in which all participants discuss about the main important challenges of the project.



The main important questions-suggestion-doubts of the meeting are:

- **An expert in Life Cycle Assessment from the University** asks about the methodology for Life Cycle Assessment during the project.
  - **AZTI** answers that Middle East Technical University (METU) is the partner that is going to carry out all the LCA processes.
  - **METU** explains that they are going to use the data from the scaling up processes of each case study and also bibliographic data based on each region. In addition, they explain that the sustainability of proposed value chains from the environmental (LCA) (METU), economic (LCC) (METU) and social point of view (SEVT) will be assessed by comparing the current situation with the proposed solutions. They also specify that they are going to use Sigmapro software for data analysis.
- **Expert from feed sector** asks which are the main identified feed safety challenges, and that in case they appear, which are the actions to mitigate them.
  - **AZTI** answers that partners are working on the legal aspects and in all the legal limits that the new proposed raw materials should not exceed. He also emphasises the need to declare these products as end-of-waste so that they are no longer treated as such and can be incorporated into the food chain.
  - He also comments on the need to include them in the catalogue of feed materials approved for inclusion in animal feed.
  - He comments that they are also working on handling and logistical protocols to be able to maintain the hygienic aspects.
- **AZTI** asks to the **feed legal expert** if they could advise the consortium in all these legal aspects.
  - **They** invites the consortium to participate in the networking group [https://www.efsa.europa.eu/en/stakeholders/calls-for-stakeholders-](https://www.efsa.europa.eu/en/stakeholders/calls-for-stakeholders) The main objective is to create thematic communities of stakeholders with an interest in food and feed safety vulnerabilities in circular economy:
- **A participant from the food industry** explains which have been the main challenges they have faced when introducing new raw materials as animal feed in the organoleptic aspects of dairy products, mainly related with volatile fatty acids which could change the aroma of the final dairy products.
  - **NEIKER** answers that consumer acceptance is going to be carried out during the project, including Sensory Evaluation of final products performed by a consumer panel:
    - Raw pasteurized milk from dairy cattle and sheep and curds from dairy sheep.
    - Meat from broiler chickens.

As no one else has questions, we start with a round of questions to find out which are the main bottlenecks of the value chains:

- **AZTI** asks to the Feed industry and Livestock representative which the main requirements are to include new raw materials
  - **Feed sector answers that the main requirements are:**
    - Legal aspects
    - Price: another raw material could compete with lower price. If the price is very high the percentage of inclusion can't be very high.
    - Humidity should not exceed 15 %
  - In the case of consumer acceptance **feed sector expert** says that if the raw material is secure and without negative organoleptic effect consumers would not have problems to buy it.

- **He** also says that the nutritional composition should be stable over the time.
- **A participant** from **Feed association** adds that the constancy of supply is also an important factor and that the associated sustainability could add a positive impact in consumer acceptance.
- **AZTI** talks about the problem of seasonality, especially for grape stems.
- **Climate change foundation participant** asks about the energy consumption of the drying process and if this could be a constrain in the economic and environmental profitability of the process.
  - **AZTI** explains that we have to come up with the most efficient drying processes possible. Combining innovative technologies to maintain nutritional properties.
  - **RIERA NADEU** adds that they are working on photovoltaic systems: drying energy coming from the sun.
- **Expert from the university** asks about the maintenance of the dried raw materials. She wonders if the samples could increase their humidity within the storage.
  - **AZTI** and **Feed sector expert** explain that if the raw material is under 10 % of humidity, are not usually spoiled and are usually kept in silos, tanks ... for about 6 months.
- **AZTI** asks **feed legal expert** about the legal aspects in food waste and feed application requirements
  - **He** answers that they are a risk assessment body but comments that they can redirect us to contacts in the Commission who work more closely with these legal terms.

After this discussion, the first meeting of the Advisory Council is adjourned until the 2<sup>nd</sup> Advisory board meeting.