

# Deliverable

**Project Acronym:** FERTIMANURE

**Project full name:** Innovative nutrient recovery from secondary sources – Production of high-added value Fertilizers' from animal MANURE

**Grant Agreement No.** 862849

## D7.5. Dissemination Report

Project start date	January 1st, 2020
Duration in months	48
Deliverable due date	December 31 <sup>st</sup> , 2021
Actual submission date	December 31 <sup>st</sup> , 2021
Work package concerned	7
Author(s) and Co-author(s)	Rodrigo Arandi-Klee (author)
Contributor(s)	Greenwin

**Disclaimer:** This deliverable a. Reflects only the authors view; and b. Exempts the Commission from any use that may be made of the information it contains.



## Preface

The dissemination report (M24) is part of WP 7 Dissemination and Communication, but more specifically with Task 7.2 Dissemination and Communication activities between January 2020 (M01) and December 2023 (M48). One of the project tasks is to communicate and disseminate about the project via different communication and dissemination channels and this should be done throughout the project lifetime and after as well.

This deliverable showcases all of the communication and dissemination activities that have been developed since the beginning of the project, which means between January 2020 (M01) to December 2021 (M24). This deliverable shows the different activities and analysis of the different communication and dissemination channels.

The communication and dissemination report is a compilation of all of the activities carried out by all of the project partners around the EU and the CELAC region.



## Document History

<b>Date</b>	<b>Author</b>	<b>Action</b>	<b>Status</b>
November 12 <sup>th</sup> , 2021	Rodrigo Arandi-Klee	1 <sup>st</sup> draft revision	Draft
December 14 <sup>th</sup> , 2021	Yael Brusca Gil	2 <sup>nd</sup> draft revision	Draft
December 15 <sup>th</sup> , 2021	Laia Llenas Argelaguet	Approved by UVIC	Approved by the PC



## Summary

The Dissemination report has been created as to provide a detailed view of the communication and dissemination activities carried out by all of the project partners, since M1 of the project. In order to do so, Communication and dissemination material has been used (see deliverables 7.3 Dissemination and Communication material (M6,M12,M24)

The communication activities carried out are the following:

- Project branding: it includes the project logo, the e-mail signature, the logo guidelines, the power point template and the deliverable template.
- Website: it includes the website creation and all of the communication material that has been uploaded for the past 2 years.
- Project website and social network analytics in which we discuss about the trends in each of them (followers, views, etc). These include facebook, YouTube, Twitter and LinkedIn.
- Explanatory video: it includes the explanatory video in its initial 3 version and the following versions that include the video with subtitles in all of the consortium languages.
- Project partners websites: it includes all of the partners website profiles that were created specifically for FERTIMANURE.
- Project Leaflet: it describes the information that it contains and its purpose, which is to be handed out during the events, conferences, etc.
- Newsletter: it includes the 3 newsletter created until now and the trends, subscribers and results for the years to come.
- Press release: it includes the only press release done up until now and the number of journalists that it was sent to.
- Biorefine cluster Europe: it includes the profile that was created as to find synergies with other projects.
- Articles and publications: it includes all of the articles and publications written by the project partners, where they have spoken about FERTIMANURE.
- Conference, events and workshop: it includes a list of those events where partners have presented FERTIMANURE.

The dissemination activities that will be carried out are the following:

- Scientific publications: a list of scientific journals is showed. Partners will write publications where they will disclose the project results.
- Magazines and sectorial articles: a list of magazines is showed. Partners will write publications where they will disclose the project results.
- 5 on-farm pilot videos: each pilot will produce a video to showcase the pilot, the trials, the results, etc.



- EIP practice abstracts: 4 of them were already created but will be resubmitted, and then shared in all of the consortium language with farmers so that they can uptake the results.
- Conferences and events: a list of conferences is shown, where partners have participated and will participate in the following years to share the results.
- Webinars with policy makers: they will be performed in the following years to come, as soon as we have results.
- Intermediate events: we will do 4 project intermediate events, from which one will take place on May next years due to the COVID situation (manuREsource)
- Press releases: 3 press releases will be created in the following years and they will be more focused on results.
- Final conference: a final conference will be done as to share the project results with the project stakeholders.



## Content

Preface.....	0
Document History .....	1
Summary .....	2
1. Introduction .....	9
2. Communication Methodologies and Organisation.....	10
3. Communication activities report .....	11
3.1. Branding.....	11
3.2. Website .....	11
Website analytics:.....	15
3.3. Project social networks .....	16
3.3.1. Twitter* .....	16
3.3.2. LinkedIn* .....	17
3.3.3. Facebook* .....	19
3.3.4. YouTube .....	21
3.3.4.1. Explanatory video .....	22
3.4. Project partners social networks.....	23
3.5. Leaflet .....	24
3.6. Newsletters .....	25
3.7. Press release .....	26
3.8. Bio-refine cluster Europe .....	26
3.9. Articles/Publications.....	27
3.10. Conferences, events and workshops .....	50
4. Dissemination activities report .....	55
4.1. Scientific publications .....	55
4.2. Videos .....	61
4.3. EIP-practice abstracts.....	61
4.4. Attendance to the main events and conferences .....	62
4.5. Webinars with policy makers .....	66
4.6. Bio-refine cluster Europe .....	66
4.7. Intermediate events .....	66
4.8. Press release .....	68



4.9. Final conference .....	68
5. Discussion.....	68
6. Conclusions .....	71
7. Recommendations .....	71
Annexes .....	71
References .....	71
Brief project summary .....	73



## List of Tables

Table 1 Engagement rate .....	15
Table 2 Twitter analytics .....	16
Table 3 Articles / Publications January 2020-December 2021.....	27
Table 4 Participation to an event .....	50
Table 5 Participation to a conference .....	52
Table 6 Participation to a workshop .....	53
Table 7 Organisation of a conference .....	54
Table 8 Organisation of a workshop.....	54
Table 9 Participation in activities jointly with other H2020 projects.....	54
Table 10 Scientific journals.....	55
Table 11 Publications in magazines and sectorial articles .....	58
Table 12 Magazines and sectorial articles for the years to come .....	59
Table 13 Conferences/fairs attended during 2020 and 2021 .....	62
Table 14 Conferences/fairs that will take place during the following years to come .....	63





## List of Figures

Figure 1 Website publications .....	12
Figure 2 unique visitors.....	15
Figure 3 Users by country.....	15
Figure 4 Twitter profile .....	17
Figure 5 Top industries that visited the FERTIMANURE profile for the last 12 months.....	17
Figure 6 Top visitors by location for the past 12 months (November 2020-December 2021).....	18
Figure 7 Followers highlights for the last 12 months (November 2021-December 2021).....	18
Figure 8 LinkedIn profile .....	18
Figure 9 Facebook profile.....	19
Figure 10 Publication with the lowest organic reach .....	20
Figure 11 Publication with the highest organic reach – 1st e-newsletter on July 9 <sup>th</sup> , 2020.....	20
Figure 12 Total views.....	21
Figure 13 Number of subscribers .....	21
Figure 14 Number of views per video.....	22
Figure 15 FERTIMANURE profile in the Biorefine Cluster Europe .....	27



## List of Abbreviations

<b>BBF</b>	Bio-based Fertiliser
<b>TMF</b>	Tailor-made Fertiliser
<b>EU</b>	European Union
<b>EC</b>	European Commission
<b>WPL</b>	Work Package Leaders
<b>PTM</b>	Project Technical Committee meetings
<b>CELAC</b>	Community of Latin American and Caribbean States
<b>KPI</b>	Key performance indicator



## 1. Introduction

FERTIMANURE is a European project funded by the H2020 programme under Grant Agreement No. 862849. The mission of the FERTIMANURE project is to provide innovative solutions (technology, end-products, and business models) that solve real issues, ie the manure challenge, and help farmers with the challenges that they are currently facing. FERTIMANURE will develop, integrate, test and validate innovative nutrient management strategies so as to efficiently recover and reuse nutrients and other products with agronomic value from manure, to ultimately obtain reliable and safe fertilisers that can compete in the EU fertiliser market.

Communicating and Disseminating the project results via different events, conferences, workshops, publications, articles, scientific articles, working groups, etc is essential to make sure that the results and activities of the project goes beyond the project borders. Presenting the project in the most relevant European and international events will allow us to reach the desired impact of the project and showcase the project technologies and products to the final users around Europe, the CELAC region and beyond.

Project partners are continually participating in different national, regional and international events that are related to the project's subject.

The objectives of WP7 are to effectively communicate about the project and its results. The project partners have been communicating about the project results through the communication and dissemination material that has been created for this purpose. The elements that have been communicated are:

- Its mission
- Its objectives
- Its circular economy strategy
- The 5 on-farm experimental pilots
- The technologies used in these 5 pilots
- What it aims to achieve
- The project partners
- etc

The elements that will be disseminated when ready to do so are some of the following:

- Tests carried out
- The business models
- The benefits for farmers
- The technologies from each pilot
- etc

This will help the end-user to exploit the project results and to apply the circular economy model that FERTIMANURE proposes.



## 2. Communication Methodologies and Organisation

Communication and dissemination is a task that involved all of the project partners, so in order to do so GreenWin has been in close contact with the different project partners. An event template has been created and every month GreenWin asks the different partners to fill-out this one, so that all of the information regarding the events is compiled in a single document and there is a way of tracking the events that the different project partners have attended.

During the 3 project General Assemblies GreenWin explained to all of the project partners the logo guidelines, the poster and roll-up template, the event template, the power point presentation template, etc. This allowed the project partners to ask all of the questions, so that they could work without any issues with the communication and dissemination material created for the events, conferences, workshops, online events, etc.

If there is a specific issue that needs to be discussed in more details and with a stricter deadline, then a Teams meeting is performed. During this meeting and with the partner involved in the activity, we discuss about the issue, as to get the expected results in terms of communication and dissemination.



## 3. Communication activities report

### 3.1. Branding

The project branding has been used for all of the communication activities which includes:

- The project logo has been used in all of the communication material that has been created up until now. **See deliverable 7.2 Dissemination and Communication Material** in its 3 different versions (M6,M12 and M24).
- All of the project partners involved in the project have added the **e-mail signature**, which means that each time they send an e-mail they are communicating about the fact that the company that they work for, is participating in an H2020 project financed by the EC.
- The FERTIMANURE project partners have to follow the **Logo guidelines** that have been created for the purpose of creating a visual identity for the project. Each time they produce a presentation, poster, leaflet, etc they are expected to use these.
- The **power point template**, that has been created at the beginning of the project, has been used for the production of all of the project's presentations needed for events, conferences, workshops, etc.
- The **deliverable template** has been used for the production of all the public and non-public deliverables of the project. Important: this deliverable was updated in April 2021, and also in November 2021 after the Review meeting with the project officer and the review monitors that took place on September 14<sup>th</sup> and 17<sup>th</sup>, 2021.

### 3.2. Website

The project website is key for communicating about the project, and that is why it is the main communication channel used to publish the different materials like public deliverables, newsletters, press releases, explanatory videos, news about the project, events, etc. This is published in the NEWS & DOCUMENTATION area of the website (see figure below)



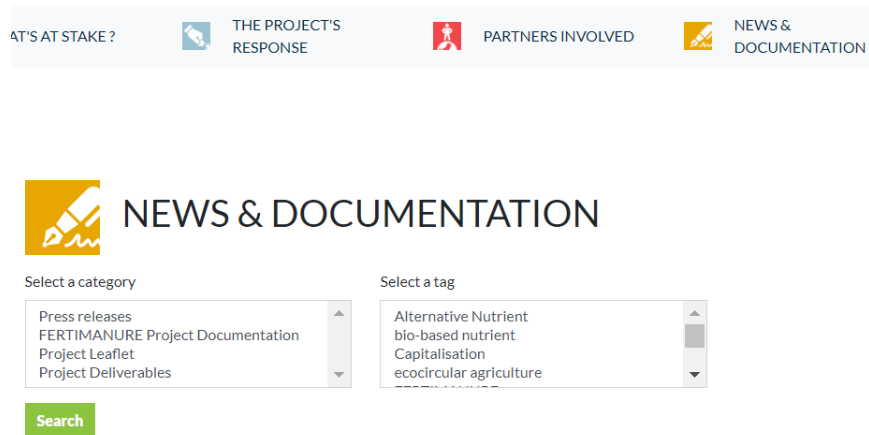


Figure 1 Website publications

Up until now the website hosts the following communication posts:

### Kick-off meeting post

<https://www.fertimanure.eu/en/news/page/7>

### 3 newsletters

- 1<sup>st</sup> e-newsletter <https://www.fertimanure.eu/en/publication/consult/3> If you want to know more about the newsletter No. 1 read ***D7.3 Communication and Dissemination material (M06)***
- 2<sup>nd</sup> e-newsletter <https://www.fertimanure.eu/en/news/consult/24> If you want to know more about the newsletter No. 2 read ***D7.3 Communication and Dissemination material (M24)***
- 3<sup>rd</sup> e-newsletter <https://www.fertimanure.eu/en/news/consult/42> If you want to know more about the newsletter No. 3 read ***D7.3 Communication and Dissemination material (M24)***

**8 public deliverables** – the deliverables were listed according to their publication date (the latest publications at last)

- D6.1 Plan for exploitation and dissemination of results  
<https://www.fertimanure.eu/en/publication/consult/10>
- D7.3 Communication and Dissemination material (M6)  
<https://www.fertimanure.eu/en/publication/consult/8>
- D8.2 Data management plan  
<https://www.fertimanure.eu/en/publication/consult/9>



- D1.1 Report on flow assessment, logistics, characterisation of manure and by-products  
<https://www.fertimanure.eu/en/publication/consult/11>
- D1.2 Report on the market landscape analysis and end-user preferences in the project participating EU states <https://www.fertimanure.eu/en/publication/consult/13>
- D1.3 Report on the BBF Regulatory Framework in the EU and CELAC countries  
<https://www.fertimanure.eu/en/publication/consult/15>
- D1.4 Report on the nutrient imbalance analysis  
<https://www.fertimanure.eu/en/publication/consult/16>
- D1.5 Report on capitalisation of relevant project results  
<https://www.fertimanure.eu/en/publication/consult/18>

### 1 leaflet

<https://www.fertimanure.eu/en/publication/consult/6>

If you want to know more about the leaflet please read **D7.3 Communication and Dissemination material (M06 and M12)**

### Explanatory video in 3 versions:

- Spanish subtitles <https://www.youtube.com/watch?v=9V72rk7JeEI&t=23s>
- English subtitles <https://www.youtube.com/watch?v=NLzqiAJVC-c&t=144s>
- No subtitles <https://www.youtube.com/watch?v=99UOyoQBU9E&t=149s>

If you want to know more about the explanatory video in its 3 versions please read **D7.3 Communication and Dissemination material (M12)**

### Explanatory video subtitles in all of the consortium languages

- Italian version <https://www.fertimanure.eu/en/publication/consult/19>
- German version <https://www.fertimanure.eu/en/publication/consult/20>
- Croatian version <https://www.fertimanure.eu/en/publication/consult/21>
- Catalan version <https://www.fertimanure.eu/en/publication/consult/22>
- Dutch version <https://www.fertimanure.eu/en/publication/consult/23>
- French version <https://www.fertimanure.eu/en/publication/consult/24>

If you want to know more about the explanatory video in its 6 versions read **D7.3 Communication and Dissemination material (M24)**

### Region cards

The region cards created by Leitat as a part of the work developed in the “D1.1 Flow assessment, logistics and characterisation of animal manure and by-products” task. These region cards compile data of all the

13



This project has received funding from the EU Horizon 2020 Research and Innovation Programme under grant agreement No. 862849

manure generation and management costs in Barcelona (Spain), Achterhoek (The Netherlands), Oberpfalz (Germany), Flanders (Belgium), Grand Est and Brittany (France) and Italy.

<https://www.fertimanure.eu/en/publication/consult/17>

If you want to know more about the regions cards please read ***D7.3 Communication and Dissemination material (M24)***

### **FERTIMANURE pilots advancements**

<https://www.fertimanure.eu/en/news/consult/19>

- Dutch pilot plant reveal <https://www.fertimanure.eu/en/news/consult/28>
- Belgian pilot plant reveal <https://www.fertimanure.eu/en/news/consult/29>
- German pilot plant reveal <https://www.fertimanure.eu/en/news/consult/30>
- French pilot plant reveal <https://www.fertimanure.eu/en/news/consult/31>
- Spanish pilot plant reveal <https://www.fertimanure.eu/en/news/consult/32>

### **Questionnaire regarding the end-user preferences about bio-based fertilisers**

A questionnaire related to the end-user preferences regarding BBFs was created as part of task 1.2 Market analysis and end-users preferences. This questionnaire is meant to be answered by the agricultural players of the European Union, Argentina, and Chile. It was posted on the website and on the FERTIMANURE social networks. To see the post click on the following link:

<https://www.fertimanure.eu/en/news/consult/26>

### **Intermediate events – FERTIMANURE**

One of FERTIMANURE's objectives is the organisation of 4 large-scale events to promote the project's results. The first of these was supposed to take place during the 5th edition of ManuREsource on November 2021 in the east of The Netherlands.

At the ManuREsource conference, FERTIMANURE will host: Two Parallel Sessions: Parallel Session 1: "European nutrient balance landscape and market opportunities for closing nutrient loops" Parallel Session 2: "Innovative manure processing plants for the production of marketable bio-based fertilisers" Two Round tables Topic for round table 1: "Product Category Rules for bio-based fertilisers. In search of a consensual approach" Topic for round table 2: "What does Bio-based Fertiliser mean? Discussion on a common definition for the term BBF" The other 3 large-scale events will be organised in Poland, Catalonia, and Argentina.

Local restrictions to stop the further increase of the COVID19-infection rate in The Netherlands, were communicated by the Dutch Government during a press conference on 12 November 2021. These local restrictions prevent the organisation of ManuREsource 2021 on 24-25-26 November 2021. The conference will now take place on May 11<sup>th</sup>, 12<sup>th</sup> and 13<sup>th</sup> 2022.

<https://www.fertimanure.eu/en/news/consult/38>





Website analytics:

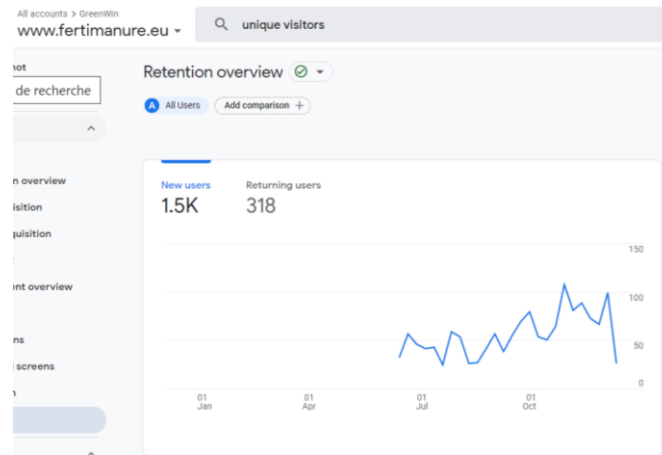


Figure 2 unique visitors



Figure 3 Users by country

Table 1 Engagement rate

Engagement rate	56%
-----------------	-----



### 3.3. Project social networks

#### 3.3.1. Twitter\*

FERTIMANURE twitter account has 194 followers and is following 40 users and a total of 83 tweets. We make use of twitter to make short publications according to the already published news in the website. All of the project partners are tagged in the publication and they retweet the project news in their own personal or company's profiles.

The analytics for the period comprising May 2020 (the profile was created in March 2020) – December 2021 are as follow:

Table 2 Twitter analytics

Year	Month	Tweets	Tweet impressions	Profile visits	Mentions	New followers
2020	May	1	3459	142	2	23
	June	2	3216	101	5	11
	July	2	2468	72	7	7
	August	1	986	33	1	3
	September	2	4410	76	17	5
	October	2	4518	67	13	10
	November	2	5297	151	36	10
	December	0	1216	44	1	3
2021	January	1	2390	96	2	4
	February	5	11,1K	458	16	8
	March	7	15,3K	1014	12	15
	April	9	10,9K	1323	17	5
	May	2	4552	563	9	4
	June	8	8087	1310	14	9
	July	6	5008	261	18	1
	August	0	3857	348	2	1
	September	4	2395	475	8	8
	October	5	1783	746	24	10
	November	7	5517	1225	17 8	
	December	1	475	104	4	2

As it can be seen in the table above, the months with the higher number of tweet impressions and profile visits are the ones related to the pilot publications, where we showcased each pilot with real images.



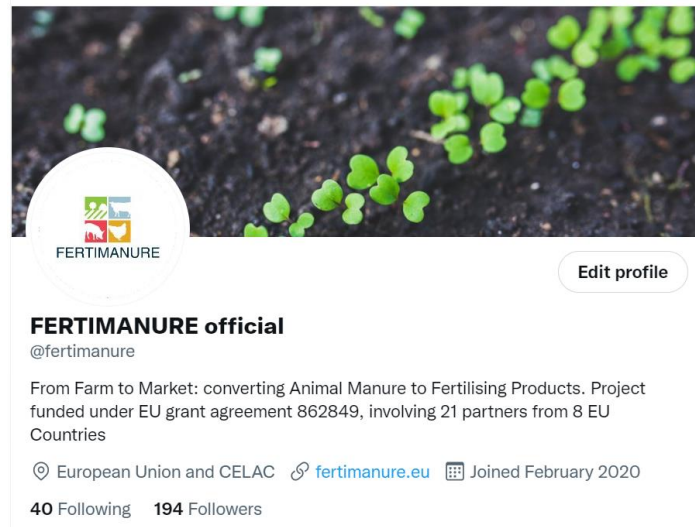


Figure 4 Twitter profile

### 3.3.2. LinkedIn\*

FERTIMANURE LinkedIn group has a total of 305 followers and a total of 82 publications.

The analytics for the period comprising November 2020 (the profile was created in March 2020)– December 2021 are as follow:

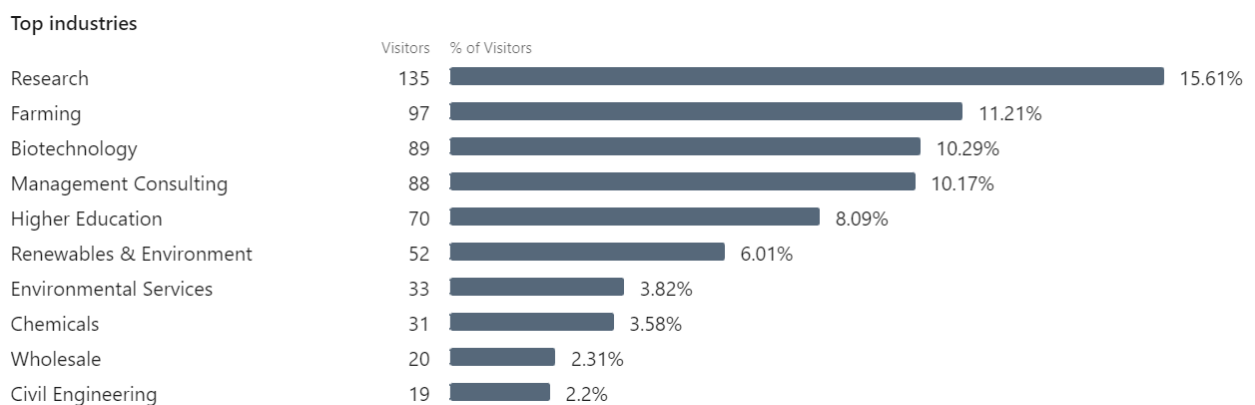


Figure 5 Top industries that visited the FERTIMANURE profile for the last 12 months



Top locations

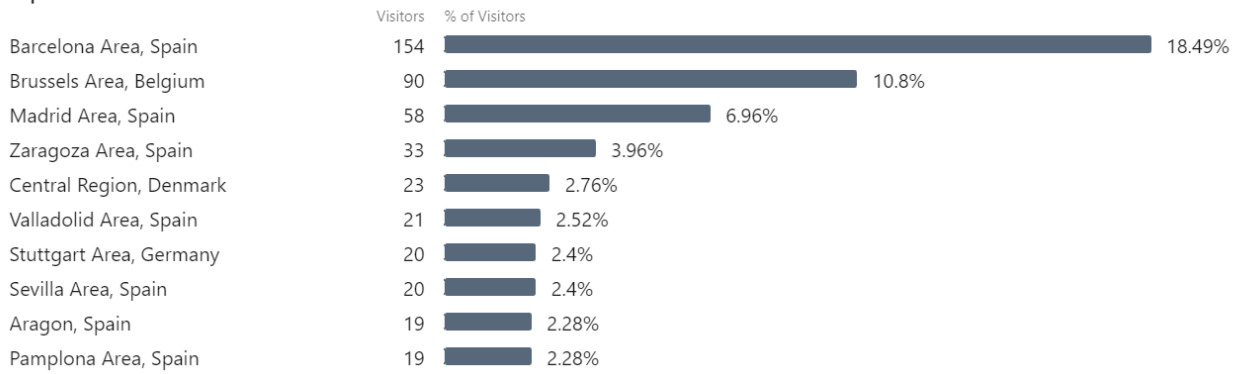


Figure 6 Top visitors by location for the past 12 months (November 2020-December 2021)

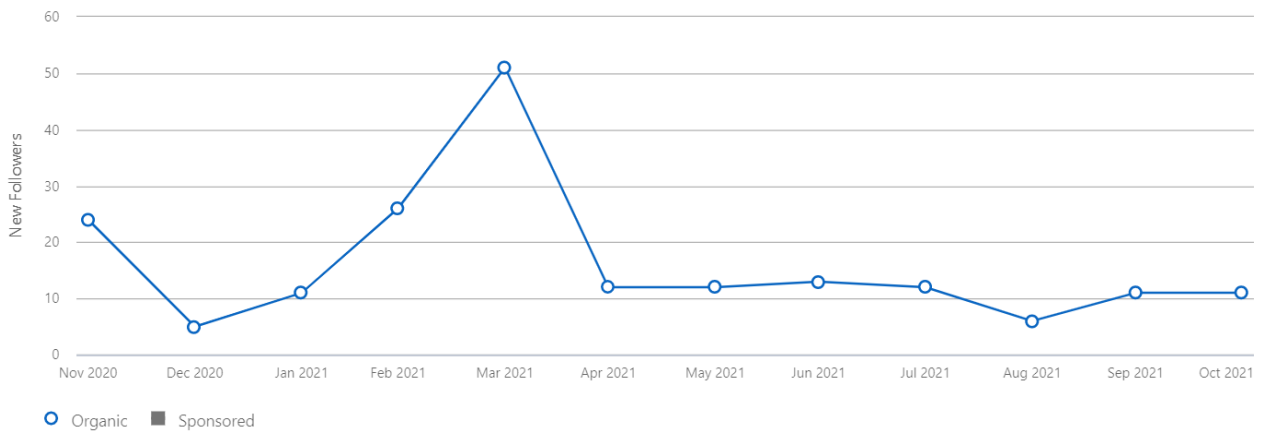


Figure 7 Followers highlights for the last 12 months (November 2021-December 2021)

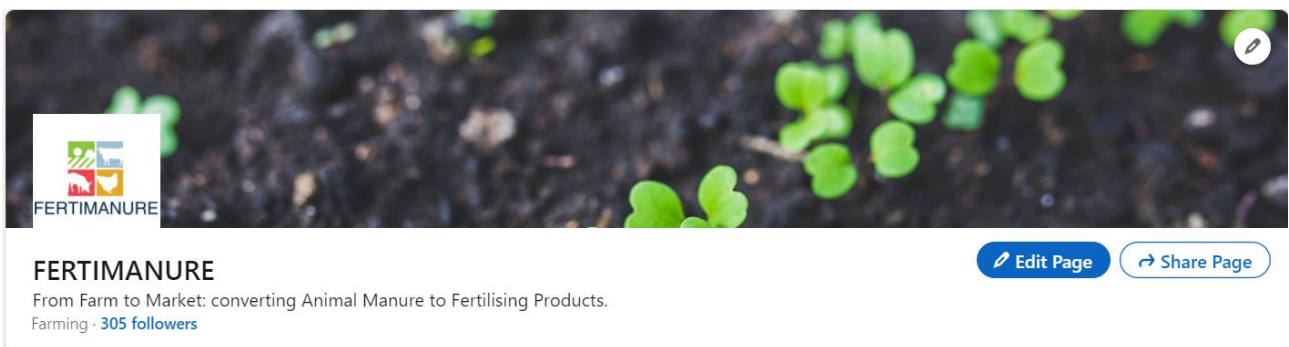


Figure 8 LinkedIn profile



### 3.3.3. Facebook\*

FERTIMANURE Facebook profile has a total of 58 likes, 73 followers, and 50 publications. This social networks is used to publish the project news in a more detailed way, since there is no limit in the amount of characters. As said before, the project partners are tagged in every publication and they share it in their own personal profiles and/or in their company's profile.

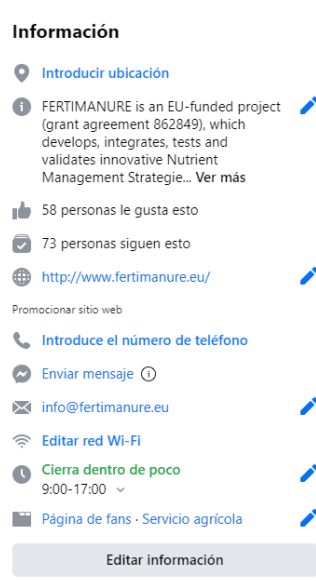


Figure 9 Facebook profile

\*The key performance indicator for the FERTIMANURE social networks (Twitter, LinkedIn and Facebook) is 400 followers, as mentioned in **D7.1 Dissemination and Communication plan**. By the end of 2021 we managed to have more than 400 followers in these 3 social networks, which means that we have achieved this objective.



The analytics for the March 2020 – December 2021 are as follow:



Figure 10 Publication with the lowest organic reach



Figure 11 Publication with the highest organic reach – 1st e-newsletter on July 9<sup>th</sup>, 2020.



This project has received funding from the EU Horizon 2020 Research and Innovation Programme under grant agreement No. 862849

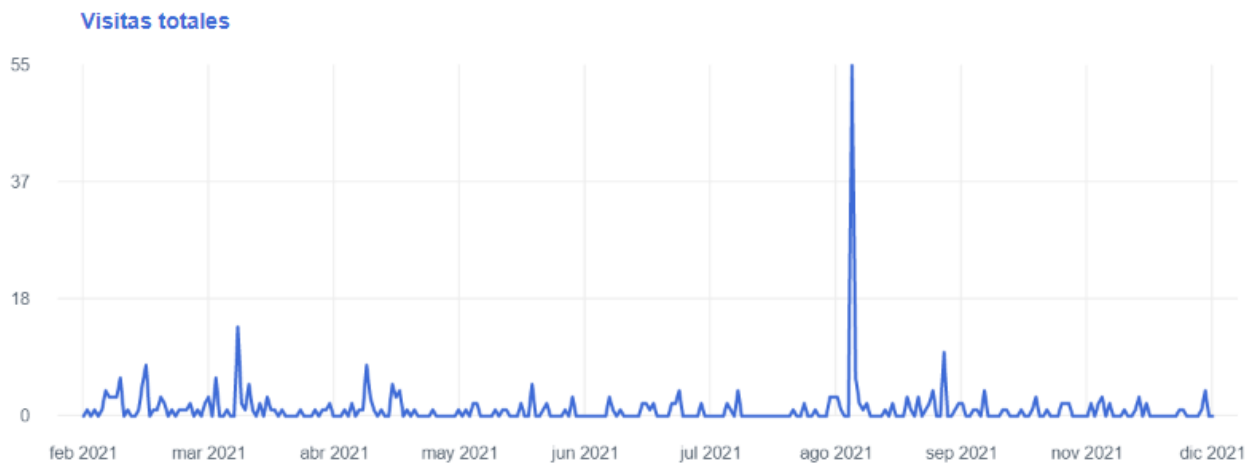


Figure 12 Total views

### 3.3.4. YouTube

The FERTIMANURE YouTube channel ([https://www.youtube.com/channel/UCQbTLK1UpW6pREsNwH\\_lv1Q/featured](https://www.youtube.com/channel/UCQbTLK1UpW6pREsNwH_lv1Q/featured)) has a total of 22 followers and 9 published videos.

The analytics for the September 2020 – December 2021 are as follow:

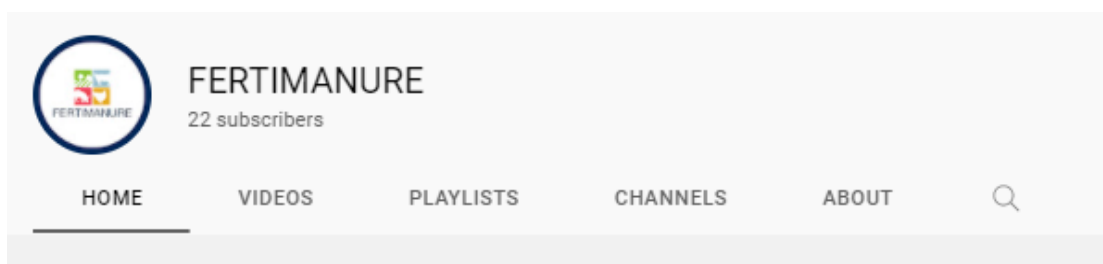


Figure 13 Number of subscribers



Video	Views ↓
<input type="checkbox"/> <b>Total</b>	<b>1,454</b>
<input type="checkbox"/> FERTIMANURE (subtítulos en español)	652 44.8%
<input type="checkbox"/> FERTIMANURE (English subtitles)	479 32.9%
<input type="checkbox"/> FERTIMANURE: all about it! (no subtitles)	89 6.1%
<input type="checkbox"/> FERTIMANURE - vídeo explicatiu del projecte per al públic de parla ...	56 3.9%
<input type="checkbox"/> FERTIMANURE: la vidéo explicative avec sous titrages en français	54 3.7%
<input type="checkbox"/> FERTIMANURE Projekt: Erläuterndes Video mit deutschen Untertiteln	42 2.9%
<input type="checkbox"/> FERTIMANURE voorlichtingsvideo voor het Nederlandstalig publiek	26 1.8%
<input type="checkbox"/> FERTIMANURE - video esplicativo con sottotitoli in italiano	24 1.7%
<input type="checkbox"/> FERTIMANURE video with Croatian subtitles - Projekt FERTIMANUR...	20 1.4%
<input type="checkbox"/> FERTIMANURE (sous-trites FR)	12 0.8%

Figure 14 Number of views per video

### 3.3.4.1. Explanatory video

See section 3.2 Explanatory video in 3 versions and explanatory video subtitles in all of the consortium languages.

The key performance indicator for the explanatory video was 1,000 views by the end of the project, and by the end of the second year FERTIMANURE has accumulated more than 1,400 views, taking into account all of the consortium partners versions.

If you want to know more about the explanatory video in its different 9 versions please read **D7.3 Communication and Dissemination material (M12 and M24)**

The purpose of creating the explanatory video in 6 different versions, versions with subtitles in each of the consortium languages, is because we want to make sure that the stakeholders are able to understand the purpose of the project in their own language. This videos will be used in all of the local or regional events, conferences, workshops that will take place in each of the project regions at EU and CELAC level.





### 3.4. Project partners social networks

The project partners social networks are a very good way of communicating about the project. This is why they share the project's information in their website and different social networks. As explained before, each of the partners are tagged in each of the publications so that they can follow-up more easily the project activities and share the news as well.

A FERTIMANURE website profile was created by the following partners:

Partner	FERTIMANURE website section	Link to the section
ALGE	FERTIMANURE	<a href="https://www.algaenergy.com/r-i/r-i-projects/fertimanure/">https://www.algaenergy.com/r-i/r-i-projects/fertimanure/</a>
APCA	FERTIMANURE – Innovative nutrient recovery from secondary sources – Production of high added value FERTIlisers from animal MANURE	<a href="http://www.bretagne.synagri.com/ca1/synagri.nsf/pages/europe-fertimanure-innovative-nutrient-recovery-from-secondary-sources">http://www.bretagne.synagri.com/ca1/synagri.nsf/pages/europe-fertimanure-innovative-nutrient-recovery-from-secondary-sources</a>
DARP	FERTIMANURE	<a href="https://ruralcat.gencat.cat/web/guest/oficina-de-fertilizacio/projectes">https://ruralcat.gencat.cat/web/guest/oficina-de-fertilizacio/projectes</a>
ELO	FERTIMANURE	<a href="https://www.europeanlandowners.org/images/ELOAR2020/FERTIMANURE.pdf">https://www.europeanlandowners.org/images/ELOAR2020/FERTIMANURE.pdf</a>
FERT	De la granja al mercado: convertir estiércol animal en productos fertilizantes	<a href="https://www.fertinagrobiotech.com/es/noticias/de-la-granja-al-mercado-convertir-el-estiercol-animal-en-productos-fertilizantes">https://www.fertinagrobiotech.com/es/noticias/de-la-granja-al-mercado-convertir-el-estiercol-animal-en-productos-fertilizantes</a>
FHR	FERTIMANURE	<a href="https://www.umsicht.fraunhofer.de/en/about-fraunhofer-umsicht/international.html">https://www.umsicht.fraunhofer.de/en/about-fraunhofer-umsicht/international.html</a>
GWIN	FERTIMANURE – Innovative nutrient recovery from secondary sources – Production of high added value FERTIlisers from animal MANURE	<a href="https://www.greenwin.be/en/page/fertimanure-en">https://www.greenwin.be/en/page/fertimanure-en</a>
IPS	FERTIMANURE	<a href="https://ips-konzalting.hr/en_US/project/fertimanure-379">https://ips-konzalting.hr/en_US/project/fertimanure-379</a>
LEITAT	Innovative nutrient recovery from secondary sources – Production of high-added value FERTIlisers from animal MANURE	<a href="https://projects.leitat.org/fertimanure/">https://projects.leitat.org/fertimanure/</a>



Partner	FERTIMANURE website section	Link to the section
RITTMO	FERTIMANURE	<a href="https://www.rittmo.com/web/pj_pdf/fertimanure.pdf">https://www.rittmo.com/web/pj_pdf/fertimanure.pdf</a>
UGENT	FERTIMANURE - Innovative nutrient recovery from secondary sources - Production of high-added value FERTIlisers from animal MANURE	<a href="https://www.biorefine.eu/projects/fertimanure-innovative-nutrient-recovery-secondary-sources-production-high-added-value">https://www.biorefine.eu/projects/fertimanure-innovative-nutrient-recovery-secondary-sources-production-high-added-value</a>
UMIL	FERTIMANURE	<a href="https://sites.unimi.it/gruppo-ricicla/it/fertimanure/">https://sites.unimi.it/gruppo-ricicla/it/fertimanure/</a>
UVic-UCC	FERTIMANURE - Innovative nutrient recovery from secondary sources - Production of high-added value FERTIlisers from animal MANURE	<a href="https://betatechcenter.com/projects/fertimanure/">https://betatechcenter.com/projects/fertimanure/</a>
WENR	FERTIMANURE - Innovative nutrient recovery from secondary sources - Production of high-added value FERTIlisers from animal MANURE	FERTIMANURE: Production of high-added value FERTIlisers from animal MANURE - WUR

### 3.5. Leaflet

The project leaflet was created at the beginning of the project (see **Deliverable 7.3 Communication and Dissemination material (M06)**). The leaflet provides with a high-level overview of the project, including:

- What is FERTIMANURE?
- FERTIMANURE mission and main objectives
- FERTIMANURE circular economy strategy
- On-farm experimental pilots
- What FERTIMANURE hopes to achieve
- Partners involved
- Contact information about the project coordinator and the communication and dissemination manager
- EU funding phrase to comply with the Grant Agreement
- Disclaimer
- Project website
- Social media channels

The purpose of this leaflet is to be distributed in the multiple events where partners will participate during the project's duration. Unfortunately, due to the COVID situation the face-to-face events were cancelled, which means that leaflets could not be given physically to people attending those events.



The first event where we will do so, is the 1<sup>st</sup> intermediate event of FERTIMANURE – the manuREsource conference that will take place from May 11<sup>th</sup> – 13<sup>th</sup> 2022. Local restrictions to stop the further increase of the COVID19-infection rate in The Netherlands, were communicated by the Dutch Government during a press conference on 12 November 2021. These local restrictions prevented the organisation of manuREsource 2021 conference that was supposed to take place on the 24<sup>th</sup>, 25<sup>th</sup>, and 26<sup>th</sup> of November that year.

### 3.6. Newsletters

FERTIMANURE launches a newsletter every 6 months. The first one is launched in July of every year as to take into account the information from January to June. The second one is launched in January of every year as to take into account the information from July to December. A total of 8 newsletter will be launched by the end of the project.

Up until now 3 e-newsletter have been launched and they have provided with:

- A brief summary of the project
- The communication and dissemination material that has been created
- The advancements in the website (like the website language in Spanish, the database of 162 projects that was published, etc)
- Information about the project internal meetings (General Assemblies, Review meetings, etc)
- Activities carried out (advancements in the on-farm experimental pilots, conferences/events/workshops that were organised or attended, pilot visits, on-going field trials, etc)
- Articles that were published
- Public deliverables
- Participation in international conferences
- Project partners
- EU funding phrase
- Disclaimer
- Data protection regulation

If you want to know more about the contents of the newsletter please read ***D7.3 Communication and Dissemination material (M06,M12,M24)***

Analysis of the 3 e-newsletter:

- 1<sup>st</sup> e-newsletter
  - Sent to 129 subscribers
  - Opening rate of 40.01%
- 2<sup>nd</sup> e-newsletter
  - Sent to 129 subscribers
  - Opening rate of 44.88%
- 3<sup>rd</sup> e-newsletter
  - Sent to 162 subscribers
  - Opening rate of 38.41%



For the first year and a half of the project, we managed to get 162 subscribers, a really good number. For the following presentation in events, conferences and workshops, the partners will encourage the different stakeholders to subscribe to the newsletter. As soon as the project starts producing more results, it is expected that the interest, among the stakeholders that will be able to use the results (the public ones), will arise. With the information mentioned before, it is expected to reach 400 stakeholder via our newsletters.

### 3.7. Press release

FERTIMANURE launched its 1<sup>st</sup> press release in the first semester of the project. In total the project should launch at least 4 press releases before the project ends. The first press release contained:

- Brief summary of the project
- Technological aspects to be taken into account
- On-farm experimental pilots
- Contact details of each of the project partners
- Common e-mail address for enquiries
- Information about the communication and dissemination manager
- About the project coordinator
- EU funding phrase
- Disclaimer
- 

The 1<sup>st</sup> press release was sent to 223 journalists and magazines. The list was a compilation of the project partners repositories. It is expected that the press releases, that will follow, will contain the most important results and advancement of the project.

### 3.8. Bio-refine cluster Europe

A FERTIMANURE dedicated page was set up on the Biorefine Cluster Europe website, and news are being spread in the Biorefine monthly newsletter. The Biorefine Cluster Europe social networks are essential to communicate about the project and its results, so they share all of the project information that is being shared.



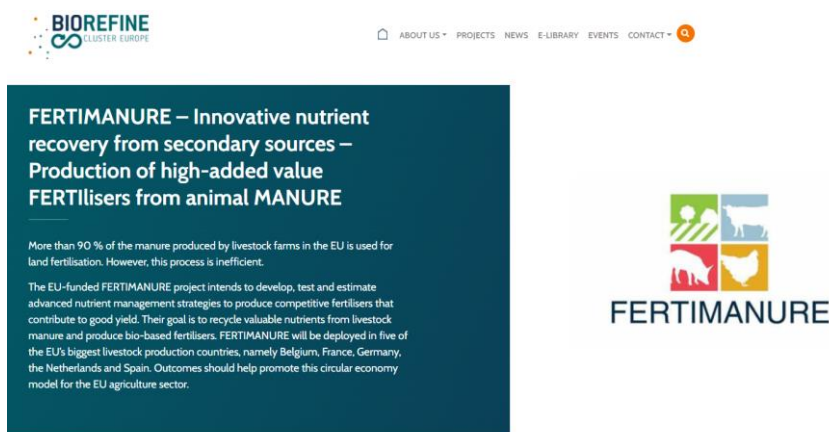


Figure 15 FERTIMANURE profile in the Biorefine Cluster Europe

### 3.9. Articles/Publications

The different project partners have been writing many articles and publications about the project. The main purpose of these is to communicate about the project advancement, its objectives, mission, expected results, etc. Up until the end of 2021 a total compilation of 105 articles/publications have been written by the different project partners.

In the table below you can see the complete list of the publications/articles.

Table 3 Articles / Publications January 2020-December 2021

Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
UVic-UCC	3-10-2019	EI CT BETA coordinarà un projecte europeu per convertir dejeccions ramaderes en biofertilitzants	Spain	Academia and research, Public entities	<a href="https://apun.t.uvic.cat/el-ct-beta-coordinara-un-projecte-europeu-per-convertir-dejeccions-ramaderes-en-biofertilitzants">https://apun.t.uvic.cat/el-ct-beta-coordinara-un-projecte-europeu-per-convertir-dejeccions-ramaderes-en-biofertilitzants</a>
UVic-UCC	30-10-2019	Osona lidera un projecte europeu per convertir el purí en un producte per fertilitzar	Spain	Public entities	<a href="https://www.ccma.cat/324/osona-lidera-un-projecte-europeu-per-convertir-el-puri-en-un-producte-per-fertilitzar/noticia/2959674/">https://www.ccma.cat/324/osona-lidera-un-projecte-europeu-per-convertir-el-puri-en-un-producte-per-fertilitzar/noticia/2959674/</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	Link to the publication
UVic-UCC	30-10-2019	Osona lidera un projecte europeu per convertir el purí en un producte per fertilitzar	Spain	Public entities	<a href="https://www.larepublica.cat/minut-a-minut/osona-lidera-un-projecte-europeu-per-convertir-el-puri-en-un-producte-per-fertilitzar/">https://www.larepublica.cat/minut-a-minut/osona-lidera-un-projecte-europeu-per-convertir-el-puri-en-un-producte-per-fertilitzar/</a>
UVic-UCC	31-10-2019	El Centre BETA de la UVIC coordina un projecte europeu per fer biofertilizants dels purins	Spain	Public entities	<a href="https://el9nou.cat/osona-ripolles/actualitat/el-centre-beta-de-la-uvic-coordina-un-projecte-europeu-per-fer-biofertilizants-dels-purins/">https://el9nou.cat/osona-ripolles/actualitat/el-centre-beta-de-la-uvic-coordina-un-projecte-europeu-per-fer-biofertilizants-dels-purins/</a>
UVic-UCC	11-11-2019	Planta pilot a Osona per convertir purins en fertilizants	Spain	Public entities	<a href="https://www.ccma.cat/tv3/alacarta/telenoticies-comarques/planta-pilot-a-osona-per-convertir-purins-en-fertilizants/video/5956736/">https://www.ccma.cat/tv3/alacarta/telenoticies-comarques/planta-pilot-a-osona-per-convertir-purins-en-fertilizants/video/5956736/</a>
UGENT	1-01-2020	Biorefine Cluter News Bulletin Jan 2020	UK, USA, China and Europe	Agricultural producers, Policy makers and authorities, Academia and research	<a href="https://www.biorefine.eu/sites/default/files/publication-uploads/news_on_biobased_resource_recovery_january_2020.pdf">https://www.biorefine.eu/sites/default/files/publication-uploads/news_on_biobased_resource_recovery_january_2020.pdf</a>
IPS	1-01-2020	Project proposal FERTIMANURE	Croatia	Agricultural producers	<a href="https://ips-konzalting.hr/">Project Proposal FERTIMANURE (ips-konzalting.hr)</a>
FERT	1-01-2020	Fertinagro Biotech, seleccionada por la UE para convertir los estiércoles europeos en fertilizantes sostenibles	Spain	Agricultural producers, Fertiliser producers, Academia and research, Business and financial advisors,	<a href="https://www.tervalis.com/somos-tervalis-2019">https://www.tervalis.com/somos-tervalis-2019</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
				Public entities	
DARP	1-01-2020	Dossier Tècnic	Catalonia	Public entities	<a href="https://ruralcat.gencat.cat/documents/20181/7280382/DT100+Baixa.pdf/1fb201bc-2dbd-43a0-9e05-008db567d82c">https://ruralcat.gencat.cat/documents/20181/7280382/DT100+Baixa.pdf/1fb201bc-2dbd-43a0-9e05-008db567d82c</a>
UVic-UCC	16-01-2020	La reunió d'inici del FERTIMANURE reuneix a Vic els 21 socis internacionals d'aquest projecte de recerca sobre dejeccions ramaderes	Spain	Academia and research, Public entities	<a href="https://apunt.uvic.cat/la-reunio-dinici-del-fertimanure-reuneix-a-vic-els-21-socis-internacionals-daquest-projecte-de-recerca-sobre-dejeccions-ramaderes">https://apunt.uvic.cat/la-reunio-dinici-del-fertimanure-reuneix-a-vic-els-21-socis-internacionals-daquest-projecte-de-recerca-sobre-dejeccions-ramaderes</a>
ELO	1-02-2020	ELO Activity Report 2019: FERTIMANURE is a Horizon 2020 project entitled "innovative nutrient recovery from secondary sources - Production of high-added value FERTilisers from animal MANURE".	Europe	Agricultural producers, Academia and research, Policy makers and authorities, Public entities, and ELO members	<a href="https://www.europandowners.org/images/Activity_Report/AR_2019.pdf">https://www.europandowners.org/images/Activity_Report/AR_2019.pdf</a>
ALGE	1-02-2020	Information on R&I projects in which ALGE currently participates - FERTIMANURE	Spain	Public entities	<a href="https://www.algaenergy.com/r-i/r-i-projects/fertimanure/">https://www.algaenergy.com/r-i/r-i-projects/fertimanure/</a>
FHR	17-02-2020	From Farm to Market: Converting Animal Manure into Fertilising Products	Germany	Academia and research. Fertiliser producer. Agricultural	<a href="https://www.umsicht.fraunhofer.de/en/press-and-media/press-">https://www.umsicht.fraunhofer.de/en/press-and-media/press-</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	Link to the publication
				producers. Public entities.	<a href="releases/2020/FERTIMANURE.html">releases/2020/FERTIMANURE.html</a>
RITTMO	3-03-2020	Valorisation des biomasses en fertilisants	France	Agricultural producers, Fertiliser producers, Public entities	<a href="https://us20.campaign-archive.com/?e=%5bUNIQID%5d&amp;u=3f6d6d35ba701d8ffa03e60ee&amp;id=b18d5643b1">https://us20.campaign-archive.com/?e=%5bUNIQID%5d&amp;u=3f6d6d35ba701d8ffa03e60ee&amp;id=b18d5643b1</a>
DARP	30-03-20	Are you familiar with agronomic practices? Our colleagues of @fertimanure are carrying out this 5 minutes questionnaire to answer some works done in the use of fertilisers.  Available in different languages	Catalonia	Agricultural producers	<a href="https://publish.twitter.com/?query=https%3A%2F%2Ftwitter.com%2Flifeagriculture%2Fstatus%2F1376841766939267074&amp;widget=Tweet">https://publish.twitter.com/?query=https%3A%2F%2Ftwitter.com%2Flifeagriculture%2Fstatus%2F1376841766939267074&amp;widget=Tweet</a>
UGENT	1-04-2020	Biorefine Cluter News Bulletin May 2020	UK, USA, China and Europe	Agriculturas producers, Policy makers and authorities, Academia and research	<a href="https://www.biorefine.eu/sites/default/files/publication-uploads/may_2020.pdf">https://www.biorefine.eu/sites/default/files/publication-uploads/may_2020.pdf</a>
GWIN	30-05-2020	Press release FERTIMANURE: EU awards 7,78 million grant for new project producing high-added value bio-based fertilisers from animal manure	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/3">https://www.fertimanure.eu/en/publication/consult/3</a>
UGENT	1-06-2020	Biorefine Cluter News Bulletin June 2020	UK, USA, China and Europe	Agriculturas producers, Policy makers and authorities, Academia	<a href="https://www.biorefine.eu/sites/default/files/publication-uploads/bce_bulletin_june_2020.pdf">https://www.biorefine.eu/sites/default/files/publication-uploads/bce_bulletin_june_2020.pdf</a>





Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
				and research	
UVic-UCC	02-06-20	4th #Phosphorous in #Europe Research Meeting	International	Public entities	<a href="https://twitter.com/BETA_TechCenter/status/1400024648234983425">https://twitter.com/BETA_TechCenter/status/1400024648234983425</a>
APCA	23-06-2020	Chambres d'agriculture France	France and other French-speaking countries	Agricultural producers, Business and financial advisors, Policy makers and authorities, Academia and research	<a href="https://chambres-agriculture.fr/actualites/toutes-les-actualites/detail-de-lactualite/actualites/les-chambres-dagriculture-partenaires-du-projet-europeen-fertimanure/">https://chambres-agriculture.fr/actualites/toutes-les-actualites/detail-de-lactualite/actualites/les-chambres-dagriculture-partenaires-du-projet-europeen-fertimanure/</a>
CPV	2-07-2020	FERTIMANURE et I Groups Operatius	Spain	Agricultural producers, Fertiliser producers, Academia and research, Business and financial advisors, Policy makers and authorities, Public entities	<a href="https://www.planadevic.cat/images/pdf/sostenibilitat/webC/PV_InformeSostenibilitat2019.pdf">https://www.planadevic.cat/images/pdf/sostenibilitat/webC/PV_InformeSostenibilitat2019.pdf</a>
APCA	3-07-2020	Fertimanure : un projet pour optimiser la gestion	France	Agricultural producers, Business and financial advisors, Policy makers and authorities, Academia	<a href="https://fr.calameo.com/books/00611278533152acf4e68">https://fr.calameo.com/books/00611278533152acf4e68</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
				and research	
LEITAT	9-07-2020	Innovative solutions to solve the manure challenge and help farmers	Spain, Chile	Academia and research	<a href="https://projects.leitat.org/innovative-solutions-to-solve-the-manure-challenge-and-help-farmers/">https://projects.leitat.org/innovative-solutions-to-solve-the-manure-challenge-and-help-farmers/</a>
GWIN	9-07-2020	Newsletter FERTIMANURE No. 1: FERTIMANURE is a project dedicated to the innovative nutrient recovery from secondary sources to produce high-added value fertilisers from animal manure	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/4">https://www.fertimanure.eu/en/publication/consult/4</a>
DARP	9-07-2020	Newsletter No. 2 shared in the LIFE agriclose twitter account - Innovative nutrient recovery from secondary sources for the production of high-added value fertilisers from animal manure	Catalonia	Public entities	<a href="https://twitter.com/ifeagriclose/status/1281466144478711808">https://twitter.com/ifeagriclose/status/1281466144478711808</a>
GWIN	10-07-2020	FERTIMANURE IN A NUTSHELL - LEAFLET	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication?publicationCategories%5B%5D=4&amp;submit=Search">https://www.fertimanure.eu/en/publication?publicationCategories%5B%5D=4&amp;submit=Search</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
UVic-UCC	01-09-20	¿Quieres conocer el proyecto @fertimanure?	International	Public entities	<a href="https://twitter.com/BETA_TechCenter/status/1300817108989890563">https://twitter.com/BETA_TechCenter/status/1300817108989890563</a>
UGENT	1-09-2020	Biorefine Cluter News Bulletin Sept 2020	UK, USA, China and Europe	Agriculturas producers, Policy makers and authorities, Academia and research	<a href="https://www.biorefine.eu/sites/default/files/publication-uploads/pdf_version.pdf">https://www.biorefine.eu/sites/default/files/publication-uploads/pdf_version.pdf</a>
APCA	4-09-2020	Pour des sols efficaces, dotés d'une fertilité biologique durable	France	Agricultural producers, Business and financial advisors, Policy makers and authorities, Academia and research	<a href="https://www.le-paysan-lorrain.fr/">https://www.le-paysan-lorrain.fr/</a>
GWIN	15-09-2020	FERTIMANURE'S PLAN FOR EXPLOITATION AND DISSEMINATION OF RESULTS	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/10">https://www.fertimanure.eu/en/publication/consult/10</a>
GWIN	15-09-2020	FERTIMANURE'S DATA MANGEMENT PLAN	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities,	<a href="https://www.fertimanure.eu/en/publication/consult/9">https://www.fertimanure.eu/en/publication/consult/9</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
				Public entities	
GWIN	16-09-20	FERTIMANURE EXPLANATORY VIDEO - CATALAN SUBTITLES	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/22">https://www.fertimanure.eu/en/publication/consult/22</a>
LEITAT	17-09-2020	FERTIMANURE Project Releases its Video: Recovering Nutrients for Fertilisers	Spain, Chile	Academia an research	<a href="https://projects.leitat.org/fertimanure-project-releases-its-video-recovering-nutrients-for-fertilisers/">https://projects.leitat.org/fertimanure-project-releases-its-video-recovering-nutrients-for-fertilisers/</a>
UVic-UCC	18-09-20	Open Access Government	International	Public entities	<a href="https://twitter.com/BETA_TechCenter/status/1306944955206729735">https://twitter.com/BETA_TechCenter/status/1306944955206729735</a>
DARP	18-09-2020	Our colleagues of @fertimanure presents their project's explaining video	Catalonia	Public entities	<a href="https://twitter.com/lifeagriclose/status/1306869952863965185">https://twitter.com/lifeagriclose/status/1306869952863965185</a>
DARP	18-09-20	Shared in the LIFE agriclose twitter account - Video explanation fo the project	Catalonia	Public entities	<a href="https://publish.twitter.com/?query=https%3A%2F%2Ftwitter.com%2Flifeagriclose%2Fstatus%2F1306869952863965185&amp;widget=Tweet">https://publish.twitter.com/?query=https%3A%2F%2Ftwitter.com%2Flifeagriclose%2Fstatus%2F1306869952863965185&amp;widget=Tweet</a>
UVic-UCC	1-10-2020	From farm to market: upcycling manure to improved fertilising products	Europe	Policy makers and authorities	<a href="https://edition.pagesuite-professional.co.uk/html5/reader/production/default.aspx?pubname=&amp;edid=f10cf98f-85a8-453f-">https://edition.pagesuite-professional.co.uk/html5/reader/production/default.aspx?pubname=&amp;edid=f10cf98f-85a8-453f-</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
					<a href="#">a44f-a855861878cc</a>
UGENT	1-10-2020	Biorefine Cluter News Bulletin Oct 2020	UK, USA, China and Europe	Agriculturas producers, Policy makers and authorities, Academia and research	<a href="https://www.biorefine.eu/sites/default/files/publication-uploads/bce_ocotber.pdf">https://www.biorefine.eu/sites/default/files/publication-uploads/bce_ocotber.pdf</a>
GWIN	7-10-2020	FERTIMANURE'S COMMUNICATION AND DISSEMINATION MATERIAL REPORT 1	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimane.eu/en/publication/consult/8">https://www.fertimane.eu/en/publication/consult/8</a>
DORSET	7-10-2020	New development project focussed on N-stripping manure	Europe	Agricultural producers, Fertiliser producers	<a href="https://www.dorset.nu/new-development-project-focussed-on-n-stripping-manure/">https://www.dorset.nu/new-development-project-focussed-on-n-stripping-manure/</a>
LEITAT	9-10-2020	From Farm to Market: Upcycling manure to improved fertilising products	Spain, Chile	Public entities	<a href="https://edition.page-suite-professional.co.uk/html5/reader/production/default.aspx?pubname=&amp;edid=f10cf98f-85a8-453f-a44f-a855861878cc">https://edition.page-suite-professional.co.uk/html5/reader/production/default.aspx?pubname=&amp;edid=f10cf98f-85a8-453f-a44f-a855861878cc</a>
DARP	14-10-20	Diari la republica	Catalonia	Public entities	<a href="https://www.larepublica.cat/minut-a-minut/el-decret-per-la-millora-de-la-gestio-de-les-dejeccions-ramaderes-compleix-un-any-">https://www.larepublica.cat/minut-a-minut/el-decret-per-la-millora-de-la-gestio-de-les-dejeccions-ramaderes-compleix-un-any-</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
GWIN	28-10-2020	FERTIMANURE 1st General Assembly	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Public entities	<a href="https://www.fertimanure.eu/en/news/consult/18">https://www.fertimanure.eu/en/news/consult/18</a>
GWIN	13-11-2020	Newsletter GWIN: FERTIMANURE est sur les rails. Découvrez sa communication. Made in GWIN.	Europe and CELAC	Fertiliser producers, Academician and research, Business and financial advisors, Public entities	<a href="http://r.GWIN.be/nl/2/I9kj/mitvv.html?m=AMUAAIhIqkYAAc q8z04AAGgXb_YA AMLTuWMADooKAAJ39QBfrqBdnyHLjRX6Tbaxy4UZP35yAAAERM&amp;b=7eb4ff01&amp;e=e004423e&amp;x=E-N2VdEqb5h3tir8KskuWI1UXtzDHsw41M2v2I3DUhttp://r.GWIN.be/nl/2/I9kj/mitvv.html?m=AMUAAIhIqkYAAc q8z04AAGgXb_YA AMLTuWMADooKAAJ39QBfrqBdnyHLjRX6Tbaxy4UZP35yAAAERM&amp;b=7eb4ff01&amp;e=e004423e&amp;x=E-N2VdEqb5h3tir8KskuWI1UXtzDHsw41M2v2I3DU">http://r.GWIN.be/nl/2/I9kj/mitvv.html?m=AMUAAIhIqkYAAc q8z04AAGgXb_YA AMLTuWMADooKAAJ39QBfrqBdnyHLjRX6Tbaxy4UZP35yAAAERM&amp;b=7eb4ff01&amp;e=e004423e&amp;x=E-N2VdEqb5h3tir8KskuWI1UXtzDHsw41M2v2I3DUhttp://r.GWIN.be/nl/2/I9kj/mitvv.html?m=AMUAAIhIqkYAAc q8z04AAGgXb_YA AMLTuWMADooKAAJ39QBfrqBdnyHLjRX6Tbaxy4UZP35yAAAERM&amp;b=7eb4ff01&amp;e=e004423e&amp;x=E-N2VdEqb5h3tir8KskuWI1UXtzDHsw41M2v2I3DU</a>
UVic-UCC	20-11-20	L'espai agrícola cedit per @aj_vic a @BETA_TechCenter comença a acollir els primers projectes de recerca.	International	Public entities	<a href="https://twitter.com/BETA_TechCenter/status/1329720711145984006">https://twitter.com/BETA_TechCenter/status/1329720711145984006</a>
UVic-UCC	26-11-2020	Joan Colón exposa l'experiència del CT BETA en l'Anàlisi del Cicle de Vida aplicada als biofertilitzants	Spain	Academia and research, Public entities	<a href="https://apuntes.uvic.cat/joan-colon-exposa-l'experiencia-del-ct-beta-en-lanalisi-del-">https://apuntes.uvic.cat/joan-colon-exposa-l'experiencia-del-ct-beta-en-lanalisi-del-</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
					<a href="#">cicle-de-vida-aplicada-als</a>
UGENT	1-01-2021	Biorefine Cluter News Bulletin Jan 2021	UK, USA, China and Europe	Agriculturas producers, Policy makers and authorities, Academia and research	<a href="https://www.biorefine.eu/sites/default/files/publication-uploads/newsletter_january_2021.pdf">https://www.biorefine.eu/sites/default/files/publication-uploads/newsletter_january_2021.pdf</a>
GWIN	11-01-2021	REPORT 1 ON FLOW ASSESSMENT, LOGISTICS, CHARACTERISTION OF MANURE AND BY-PRODUCTS	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/11">https://www.fertimanure.eu/en/publication/consult/11</a>
GWIN	20-01-2021	FERTIMANURE PUBLISHES EXPLANATORY VIDEOS	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/12">https://www.fertimanure.eu/en/publication/consult/12</a>
GWIN	22-01-2021	Newsletter FERTIMANURE No. 2: As we reach the first anniversary of the project and wish for a flourishing and healthy new year, FERTIMANURE reveals its second eNewsletter.	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities,	<a href="https://www.fertimanure.eu/en/news/consult/24">https://www.fertimanure.eu/en/news/consult/24</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
				Public entities	
UGENT	1-02-2021	Biorefine Cluter News Bulletin Feb 2021	UK, USA, China and Europe	Agriculturas producers, Policy makers and authorities, Academia and research	<a href="https://www.biorefine.eu/sites/default/files/publication-uploads/february_2021.pdf">https://www.biorefine.eu/sites/default/files/publication-uploads/february_2021.pdf</a>
ELO	1-02-2021	ELO Activity Report 2020: FERTIMANURE is a Horizon 2020 project dedicated to the “innovative nutrient recovery from secondary sources - Production of high-added value FERTilisers from animal MANURE”	Europe	Agricultural producers, Academia and research, Policy makers and authorities, Public entities, ane ELO members	<a href="https://www.europeandowners.org/images/PUBLICATIONS/2021/AR_2020_ELO_LR.pdf">https://www.europeandowners.org/images/PUBLICATIONS/2021/AR_2020_ELO_LR.pdf</a>
UVic-UCC	04-02-21	La planta pilot del projecte @fertimanure a #Muntanyola va prenent forma!	International	Public entities	<a href="https://twitter.com/BETA_TechCenter/status/1357360350761467908">https://twitter.com/BETA_TechCenter/status/1357360350761467908</a>
GWIN	5-02-2021	FERTIMANURE REPORT 1 ON MARKET LANDSCAPE ANALYSIS AND END-USERS PREFERENCES IN THE PARTICIPATING STATES	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/13">https://www.fertimanure.eu/en/publication/consult/13</a>





Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
GWIN	12-02-21	FERTIMANURE REPORT 1 ON BBF REGULATORY FRAMEWORK IN THE EU AND CELAC COUNTRIES	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/15">https://www.fertimanure.eu/en/publication/consult/15</a>
GWIN	18-02-2021	Dutch pilot plant advancements	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/news/consult/28">https://www.fertimanure.eu/en/news/consult/28</a>
GWIN	23-02-2021	Belgian pilot plant advancements	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/news/consult/29">https://www.fertimanure.eu/en/news/consult/29</a>
DARP	24-02-21	El raigràs del camp experimental de Vic s'implanta sense problemes en la primera fase de preparació per al projecte, malgrat no haver-hi aplicat cap fertilitzant. Aviat començarà la prova amb l'aplicació	Catalonia	Public entities	<a href="https://twitter.com/ruralcat/status/1364579607102554114?s=20">https://twitter.com/ruralcat/status/1364579607102554114?s=20</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
		d'adobs organominerals.			
UVic-UCC	25-02-21	Pilot activity in the @fertimanure project will start soon!	International	Public entities	<a href="https://twitter.com/BETA_TechCenter/status/1364891373250428931">https://twitter.com/BETA_TechCenter/status/1364891373250428931</a>
DARP	26-02-21	Fertimanure questionnaire published on our	Catalonia	Agricultural producers	<a href="https://ruralcat.gencat.cat/web/guest/oficina-de-fertilitzacio">https://ruralcat.gencat.cat/web/guest/oficina-de-fertilitzacio</a>
DARP	26-02-21	Si et dediques al món de l'agricultura o hi estàs vinculat com a ramader/a, agricultor/a, tant si formes part com no d'una cooperativa o clúster agrícola, el projecte @fertimanure necessita la teva opinió! Entra al qüestionari sobre biofertilitzants	Catalonia	Agricultural producers	<a href="https://twitter.com/ruralcat/status/1365298083593129990">https://twitter.com/ruralcat/status/1365298083593129990</a>
GWIN	3-03-2021	German pilot plant advancements	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/news/consult/30">https://www.fertimanure.eu/en/news/consult/30</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
GWIN	10-03-2021	French pilot plant advancements	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/news/consult/31">https://www.fertimanure.eu/en/news/consult/31</a>
DARP	12-03-21	Fertimanure questionnaire published on our Newsletter 23	Catalonia	Agricultural producers	<a href="https://ruralcat.gencat.cat/web/guest/oficina-de-fertilitzacio/publicacions/butlletins">https://ruralcat.gencat.cat/web/guest/oficina-de-fertilitzacio/publicacions/butlletins</a>
GWIN	16-03-2021	Spanish pilot plant advancements	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/news/consult/32">https://www.fertimanure.eu/en/news/consult/32</a>
INTA	16-03-2021	DE INTERES Proyecto FERTIMANURE Equipo de Trabajo INTA. Argentina Coordinación de Enlace Argentina-Unión Europea	Argentina and Mercosur countries	Agricultural producers, Academia and research, Public entities	<a href="https://www.facebook.com/inta.cicvya/posts/2881436262098764">https://www.facebook.com/inta.cicvya/posts/2881436262098764</a>
UVic-UCC	17-03-21	El Congrés #BIT2022 comença a caminar	International	Public entities	<a href="https://twitter.com/BETA_TechCenter/status/1372131104644284417">https://twitter.com/BETA_TechCenter/status/1372131104644284417</a>
INTA	22-03-2021	Encuesta FERTIMANURE: Bio-fertilizantes	Argentina and Mercosur countries	Agricultural producers, Academia and research,	<a href="https://inta.gob.ar/videos/encuesta-fertimanure-bio-fertilizantes">https://inta.gob.ar/videos/encuesta-fertimanure-bio-fertilizantes</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
				Public entities	
INTA	22-03-2021	Encuesta FERTIMANURE: Bio-fertilizantes	Argentina and Mercosur countries	Agricultural producers, Academia and research, Public entities	<a href="https://www.facebook.com/ExtensionINTA/posts/3893681557419036">https://www.facebook.com/ExtensionINTA/posts/3893681557419036</a>
CPV	24-03-21	Congrés BIT2022	Catalonia	Agricultural producers, Fertiliser producers, Academia and research, Business and financial advisors, Policy makers and authorities, Public entities	<a href="https://www.youtube.com/watch?v=NOz1HToMJAM">https://www.youtube.com/watch?v=NOz1HToMJAM</a> (min 42:15)
RITTMO	30-03-2021	Les pilotes mobiles sont arrivés à RITTMO	France	Agricultural producers, Fertiliser producers, Public entities	<a href="https://mailchi.mp/ec927197433/rittmo-mag?e=%5bUNIQID%5d">https://mailchi.mp/ec927197433/rittmo-mag?e=%5bUNIQID%5d</a>
GWIN	09-04-21	FERTIMANURE REPORT 1 ON NUTRIENT IMBALANCE ANALYSIS	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/16">https://www.fertimanure.eu/en/publication/consult/16</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
FERT	16-04-2021	¿Qué preferencias tiene usted en el uso de biofertilizantes?	Spain	Agricultural producers, Fertiliser producers, Academia and research, Business and financial advisors, Public entities	<a href="https://fertinagrobiotech.com/es/noticias/que-preferencias-tiene-usted-en-el-uso-de-fertilizantes">https://fertinagrobiotech.com/es/noticias/que-preferencias-tiene-usted-en-el-uso-de-fertilizantes</a>
GWIN	27-04-21	FERTIMANURE REPORT 1 ON CAPITALISATION OF RELEVANT PROJECT RESULTS	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/18">https://www.fertimanure.eu/en/publication/consult/18</a>
GWIN	28-04-2021	FERTIMANURE 2nd General Assembly	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/news/consult/33">https://www.fertimanure.eu/en/news/consult/33</a>
UVic-UCC	07-05-21	Agricultural activity in the field	International	Public entities	<a href="https://twitter.com/BETA_TechCenter/status/1390630279082135552">https://twitter.com/BETA_TechCenter/status/1390630279082135552</a>
DARP	10-05-21	First ryegrass cut in the experimental field of Vic under FERTIMANURE	Catalonia	Public entities	<a href="https://twitter.com/ruralcat/status/1391757442690785280?s=08">https://twitter.com/ruralcat/status/1391757442690785280?s=08</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
		project. Without any previous treatment.			
DARP	10-05-21	Newsletter 24 - First ryegrass cut in the experimental field of Vic under FERTIMANURE project. - Ja s'ha fet el primer dall del raigràs del camp experimental de Vic	Catalonia	Public entities	<a href="https://ruralcat.gencat.cat/web/guest/oficina-de-fertilitzacio/butlleti">https://ruralcat.gencat.cat/web/guest/oficina-de-fertilitzacio/butlleti</a>
GWIN	19-05-21	FERTIMANURE EXPLANATORY VIDEO - ITALIAN SUBTITLES	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/19">https://www.fertimanure.eu/en/publication/consult/19</a>
GWIN	04-06-21	FERTIMANURE EXPLANATORY VIDEO - GERMAN SUBTITLES	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/20">https://www.fertimanure.eu/en/publication/consult/20</a>
GWIN	15-06-21	FERTIMANURE EXPLANATORY VIDEO - CROATIAN SUBTITLES	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities,	<a href="https://www.fertimanure.eu/en/publication/consult/21">https://www.fertimanure.eu/en/publication/consult/21</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
				Public entities	
INTA	17-06-2021	FERTIMANURE un proyecto con visión estratégica hacia la economía circular	Argentina and Mercosur countries	Agricultural producers, Academia and research, Public entities	<a href="https://inta.gob.ar/noticias/fertimanure-un-proyecto-con-vision-estrategica-hacia-la-economia-circular">https://inta.gob.ar/noticias/fertimanure-un-proyecto-con-vision-estrategica-hacia-la-economia-circular</a>
GWIN	25-06-21	FERTIMANURE EXPLANATORY VIDEO - CATALAN SUBTITLES	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/22">https://www.fertimanure.eu/en/publication/consult/22</a>
GWIN	14-07-2021	FERTIMANURE EXPLANATORY VIDEO - FRENCH SUBTITLES	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/24">https://www.fertimanure.eu/en/publication/consult/24</a>
GWIN	16-07-2021	FERTIMANURE EXPLANATORY VIDEO - DUTCH SUBTITLES	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/23">https://www.fertimanure.eu/en/publication/consult/23</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
GWIN	28-07-2021	FERTIMANURE in the manuREsource conference - postponed to May 2022	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/news/consult/38">https://www.fertimanure.eu/en/news/consult/38</a>
GWIN	30-07-2021	Newsletter GWIN 3: FERTIMANURE newsletter 3 is out	Europe and CELAC	Fertiliser producers, Academician and research, Business and financial advisors, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/32">https://www.fertimanure.eu/en/publication/consult/32</a>
INTA	10-09-21	FERTIMANURE 8 sept	EUROPE &CELAC	Academia and research, Public entities	<a href="https://www.youtube.com/watch?v=IKWkhXC6UR4">https://www.youtube.com/watch?v=IKWkhXC6UR4</a>
UVic-UCC	17-09-21	RETEMA magazine (Revista técnica de medio ambiente) (pages 118 - 121) - Estrategias innovadoras de valorización de deyecciones ganaderas para producir nuevos fertilizantes en la UE	Spain, CELAC, Europe	Academia and research, Fertiliser producers, Business and financial advisors, Policy makers & authorities	<a href="#">Edición 233, Especial Bioenergía - Ver online (retema.es)</a>





Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
UVic-UCC	17-09-21	RETEMA magazine (Revista técnica de medio ambiente) (pages 118 - 121) - Estrategias innovadoras de valorización de deyecciones ganaderas para producir nuevos fertilizantes en la UE	Spain, CELAC, Europe	Academia and research, Fertiliser producers, Business and financial advisors, Policy makers & authorities	<a href="http://retema.es">Edición 233, Especial Bioenergía - Ver online (retema.es)</a>
IPS	21-09-21	IPS Newsletter - o FERTIMANURE Projektu	Croatia	Academia and research, Fertilizers producers	<a href="https://mailchi.mp/c0a683ebf8ef/newsletter-o-fertimanure-projektu?e=[UNIQID]">https://mailchi.mp/c0a683ebf8ef/newsletter-o-fertimanure-projektu?e=[UNIQID]</a>
UGENT	30-09-21	Biorefine Clustaer Europe Bulletin - September issue	Worldwide	Academia and research, Public entities	<a href="https://www.biorefine.eu/publications/biorefine-cluster-news-bulletin-september-2021/">https://www.biorefine.eu/publications/biorefine-cluster-news-bulletin-september-2021/</a>
APCA / RITTMO	01-10-21	Premiers retours du projet européen Fertimanure (=Initial feedback from the European Fertimanure project)	France, Grand Est region	Agricultural producers	<a href="https://grandest.chambre-agriculture.fr/publications/toutes-les-publications/la-publication-en-detail/actualites/premiers-retour-du-projet-europeen-fertimanure/">https://grandest.chambre-agriculture.fr/publications/toutes-les-publications/la-publication-en-detail/actualites/premiers-retour-du-projet-europeen-fertimanure/</a>
APCA	01-10-21	Premiers retours du projet européen Fertimanure (=Initial feedback from the European Fertimanure project)	France, Grand Est region	Agricultural producers	<a href="https://grandest.chambre-agriculture.fr/publications/toutes-les-publications/la-publication-en-detail/actualites/premiers-retour-du-projet-europeen-fertimanure/">https://grandest.chambre-agriculture.fr/publications/toutes-les-publications/la-publication-en-detail/actualites/premiers-retour-du-projet-europeen-fertimanure/</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
INTA	01-10-21	Revista Solo Aves y Cerdos. <i>Nuevas Tecnologías para tratar y dar valor agregado a los residuos ganaderos.</i> Crespo, D.C; Beily, M.E y Bres, P.A. Año XV, N°92, pp. 10 y 11. Octubre 2021	CELAC (14 Countries)	Agricultural producers, Public entities, Academia and research	<a href="https://es.calameo.com/read/005800297e67b1549b839">https://es.calameo.com/read/005800297e67b1549b839</a>
GWIN	26-10-2021	Newsletter GWIN 3: FERTIMANURE newsletter 3 in FRENCH	Europe and CELAC	Fertiliser producers, Academician and research, Business and financial advisors, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/28">https://www.fertimanure.eu/en/publication/consult/28</a>
GWIN	26-10-2021	Newsletter GWIN 3: FERTIMANURE newsletter 3 in CATALAN	Europe and CELAC	Fertiliser producers, Academician and research, Business and financial advisors, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/30">https://www.fertimanure.eu/en/publication/consult/30</a>
GWIN	26-10-2021	Newsletter GWIN 3: FERTIMANURE newsletter 3 in CROATIAN	Europe and CELAC	Fertiliser producers, Academician and research, Business and financial advisors, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/29">https://www.fertimanure.eu/en/publication/consult/29</a>
GWIN	26-10-2021	Newsletter GWIN 3: FERTIMANURE newsletter 3 in SPANISH	Europe and CELAC	Fertiliser producers, Academician and	<a href="https://www.fertimanure.eu/en/publication/consult/25">https://www.fertimanure.eu/en/publication/consult/25</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
				research, Business and financial advisors, Public entities	
GWIN	26-10-2021	Newsletter GWIN 3: FERTIMANURE newsletter 3 in ITALIAN	Europe and CELAC	Fertiliser producers, Academician and research, Business and financial advisors, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/26">https://www.fertimanure.eu/en/publication/consult/26</a>
GWIN	26-10-2021	Newsletter GWIN 3: FERTIMANURE newsletter 3 in GERMAN	Europe and CELAC	Fertiliser producers, Academician and research, Business and financial advisors, Public entities	<a href="https://www.fertimanure.eu/en/publication/consult/27">https://www.fertimanure.eu/en/publication/consult/27</a>
GWIN	3-11-2021	FERTIMANURE 3rd General Assembly	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/news/consult/45">https://www.fertimanure.eu/en/news/consult/45</a>
FERT	16-11-2021	Presentation in conference: Innovative biochar production and nutrient recovery from manure	UK, Europe	Academia and research, fertiliser producers, business	<a href="https://european-biosolids.com/">https://european-biosolids.com/</a>



Partner involved	Publication date	Publication name	Countries of distribution	Audience type	<u>Link to the publication</u>
				and financial advisors, public entities	
APCA	24-11-2021 and 25-11-2021	Des effluents d'élevage aux fertilisants biosourcés : Pilotes mobiles de transformation, tests et premiers résultats	France	Agricultural producers	<a href="#">pdf file</a>
UGENT	25-11-21	Biorefine Cluster Europe Bulletin - November issue	Worldwide	Academia and research, Public entities	<a href="https://www.biorefine.eu/publications/biorefine-cluster-news-bulletin-october-november-2021/">https://www.biorefine.eu/publications/biorefine-cluster-news-bulletin-october-november-2021/</a>
GWIN	30-11-2021	FERTIMANURE and the LEX4BIO H2020 cross-seminar	Europe and CELAC	Agricultural producers, Fertiliser producers, Academia and research, Policy makers and authorities, Public entities	<a href="https://www.fertimanure.eu/en/news/consult/47">https://www.fertimanure.eu/en/news/consult/47</a>

### 3.10. Conferences, events and workshops

Since the beginning of the project, the different project partners have been participating or organising different events, conferences or workshops. The list of these are shown below:

Table 4 Participation to an event

Name	Number of participants	Date	Audience	Partner involved	Place	Type of activity
Wildlife Estates Dinner	150	10-02-2020	Wildlife Estates and ELO Members	ELO	Face to face	Participation to an event
ELO General Assembly	50	15-06-2020	ELO members	ELO	Online	Participation to an event

50



This project has received funding from the EU Horizon 2020 Research and Innovation Programme under grant agreement No. 862849

Name	Number of participants	Date	Audience	Partner involved	Place	Type of activity
Friends of the Countryside General Assembly	82	24-06-2020	FCS members	ELO	Online	Participation to an event
HEPH-Condorcet course programme	14	27-11-2020	Academia and research	GWIN	Online	Participation to an event
ELO General Assembly	50	2-12-2020	ELO members	ELO	Online	Participation to an event
EPC Meeting	40	27-01-2021	ELO members and Policy makers and authorities	ELO	Online	Participation to an event
BIO-raffiniert XI	40	24 and 25-03-2021	Academia and research, Fertiliser processing industry	FHR	Online	Participation to an event
COMIFER-GEMAS	260	24-11-2021 and 25-11-2021	Agricultural producers, Fertilisers processing industry, Academia and research Policy makers and authorities	APCA	Face to face	Participation to an event
II Noche Iberoamericana de los Investigadores (IIN). Noche Europea de los Investigadores.	1000	24-09-2021 and 25-09-2021	Academia and research	INTA	Virtual and face to face	Participation to an event



Table 5 Participation to a conference

Name	Number of participants	Date	Audience	Partner involved	Place	Type of activity
ELO Innovation Conference Climate Positive Farming	20	29-01-2020	Academia and research, Policy makers and authorities	ELO	Online	Participation to a conference
2nd edition of ESNI 2020 Conference	128	26-11-2020	Academia and research, Policy makers and authorities, EU projects	UVic-UCC	Online	Participation to a conference
FFA Brussels – Month of March	3000	22-03-2021	Agricultural producers, Fertiliser producers, Academia and research, Business and financial advisors and Public entities	ELO	Online	Participation to a conference
Congr�s BIT2000	80	24-03-2021	Academia and research	CPV	Face to face	Participation to a conference
PERM4 – 4th Phosphorous in Europe Research Meeting	150	2-06-2021	Different stakeholders that are part of the ESPP. Mainly Academia and research, and Companies	UVic-UCC	Online	Participation to a conference
Jornadas PATT	100	30-06-21	Policy makers and authorities, Agricultural producers and Fertilisers processing industry	UVic-UCC	Online	Participation to a conference



Name	Number of participants	Date	Audience	Partner involved	Place	Type of activity
European Biosolids & Bioresources Conference	200	16-11-2021 and 17-11-2021	Fertiliser processing industry, Academia and research	FHR	Virtual	Participation to a conference
INNAGRO 2021 – ENCUENTRO DE INNOVACIÓN AGROALIMENTARIA	200	19-10-2021, 20-10-2021 and 21-10-2021	Academia and research, Public entities	UVic-UCC	Virtual	Participation to a conference
III SIMPOSIO DE RESIDUOS AGROPECUARIOS Y AGROINDUSTRIALES DE NOA Y CUYO	200	28-10-2021 and 29-10-2021	Academia and research, Public entities	UVic-UCC	Virtual	Participation to a conference

Table 6 Participation to a workshop

Name	Number of participants	Date	Audience	Partner involved	Place	Type of activity
Working Group Meeting for Rural Youth Europe	100	29-01-2020	CEJA, DG AGRI, Rural Youth Europe, EUROPARC	ELO	Face to face	Participation to a workshop
Presentación PIUNAHUR-Cooperación Universidad de Hurlingham (UNAHUR)	100	19-11-2020	Academia and research	INTA	Online	Participation to a workshop
Compostaje de Residuos Orgánicos Municipales .Recursos Naturales y Ambiente	57	25-08-2021	Academia and research	INTA	Virtual	Participation to a workshop



Table 7 Organisation of a conference

Name	Number of participants	Date	Audience	Partner involved	Place	Type of activity
FERTIMANURE project presentation	67	10-02-2020	Agricultural producers and INTA member)	INTA	Online	Organisation of a conference
H2020 - FERTIMANURE - de la ferme au marché : valoriser le fumier en produits fertilisants améliorés	15	19-10-2021	Agricultural producers and Fertiliser producers	GWIN / Uvic -UCC	Virtual	Organisation of a conference

Table 8 Organisation of a workshop

Name	Number of participants	Date	Audience	Partner involved	Place	Type of activity
FERTIMANURE project presentation	25	9-01-2020	Academia and research (INTA scientific researchers)	INTA	Face to face	Organisation of a workshop
Technical talks on circular economy applied to pig farming	15	20/21-06-2021	Agricultural producers	INTA	Face to face	Organisation of a workshop
Fertilizers Europe workshop	36	29-10-2021	Fertiliser producers (16 members)	Fertilizers Europe	Virtual	Organisation of a workshop

Table 9 Participation in activities jointly with other H2020 projects

Name	Number of participants	Date	Audience	Partner involved	Place	Type of activity
Mid-Term review of the French Circular Economy Program	50	10-11-2021	Agricultural producers, Fertilisers processing industry, Academia and research Policy makers and authorities	APCA	Virtual	Participation in activities organised jointly with other H2020 projects





Name	Number of participants	Date	Audience	Partner involved	Place	Type of activity
Cross-H2020-seminar Lex4bio & FERTIMANURE	50	09-12-21	Academia and Research	UVic-UCC / WENR /	Virtual	Participation in activities organised jointly with other H2020 projects

## 4. Dissemination activities report

### 4.1. Scientific publications

Up until now, there have not been any publications related to scientific articles, but in the years to come many of those will be produced. This due to the fact that we want to disseminate the project results, and up until now we are still working on these results.

The proposed scientific articles are shown below:

Table 10 Scientific journals

Proposed by	Scientific journal name	Tentative article title / general description of topic	Tentative submission year
FHR	Journal of environmental chemical engineering	Ammonium binding performance of zeolithes and acids on cattle manure treatment	2022
FHR	Bioresource technology	Construction and operation of pipe reactor and granulator for monoammonium phosphate (MAP) production	2022
RITMO	TBD	How to transform your manure into high value fertilizer - FERTIMANURE project	2022



Proposed by	Scientific journal name	Tentative article title / general description of topic	Tentative submission year
FHR	Journal of environmental chemical engineering	Construction and operation of biochar leaching reactor for phosphorous recovery	2022
RITTMO	Agronomy	biochar from poultry manure - characterization and effects on plant growth	2022
RITTMO	Plant and soil	Nutrients dynamics of ammonium salt recovery from manures on ryegrass growth - greenhouse test	2022
RITTMO	Environmental Technology & Innovation	Impact of temperature production on poultry biochar properties	2022
UVic-UCC	Journal of Cleaner Production	LCA of tailor-made fertilisers from manure	2023
UVic-UCC	Journal of Environmental Management	Development of a DSS for fertilizer production and use	2023
UVic-UCC	Agriculture, ecosystems, and environment	Agro-ecological characterization of novel tailor-made fertilizers: a Mediterranean field study	2023
UVic-UCC	Plant and soil	Nutrient release profiles of novel tailor-made fertilisers: a pot study	2023
UVic-UCC	Frontiers in plant science	Algal biostimulants for stress protection in ryegrass and tomato	2023



Proposed by	Scientific journal name	Tentative article title / general description of topic	Tentative submission year
LEITAT	Science of the Total Environment	Monitoring of antibiotic resistance genes along the value chain of bio-based fertilizers	2023
LEITAT	Journal of Applied phycology	Microalgae hydrolysates as new bioestimulants	2023
FHR	Journal of Environmental Management	Quality and properties of MAP from TCR-Gas	2023
UVic-UCC	Water research	Biostimulants production from algal-based systems treating RO permeate	2023
UVic-UCC	Bioresource technology	Biorefineries for livestock manure valorization: from pig slurry to value-added agricultural products generation	2023
RITTMO	Plant and soil	agronomic impact of biochar from poultry manure - field results	2023
RITTMO	Science of the Total Environment	Poultry Biochar: carbon sequestration and impacts on soil activities	2023
FHR	Agronomy	Analysis of uptake of phosphorous recovered from cattle manure based on pot trials	2024
UVic-UCC	Science of the Total Environment	New insights on livestock manure valorization for energy and phosphorous recovery	2024



Proposed by	Scientific journal name	Tentative article title / general description of topic	Tentative submission year
UVic-UCC	Chemosphere	Freeze concentration livestock manure brines for tailor-made fertilizers production	2024
FHR	Agriculture, ecosystems, and environment	Fertilizing performance of recovered fertilizers and biochar from cattle manure in controlled conditions	2023 - 2024

The proposed magazines and sectorial articles are:

Table 11 Publications in magazines and sectorial articles

Partner involved	Publication date	Publication name	Countries of distribution	Audience type	Link to the publication
APCA	3-07-2020	Fertimanure : un projet pour optimiser la gestion	France	Agricultural producers, Business and financial advisors, Policy makers and authorities, Academia and research	<a href="https://fr.calameo.com/books/00611278533152acf4e68">https://fr.calameo.com/books/00611278533152acf4e68</a>
APCA	4-09-2020	Pour des sols efficaces, dotés d'une fertilité biologique durable	France	Agricultural producers, Business and financial advisors, Policy makers and authorities, Academia and research	<a href="https://www.le-paysan-lorrain.fr/">https://www.le-paysan-lorrain.fr/</a>



Table 12 Magazines and sectorial articles for the years to come

Proposed by	Magazine/sectorial/non-technical publication name	Tentative title/topic	Tentative month/year
FHR	Topagrar	Cattle manure - a resource for fertilizer production	2022
UVic-UCC	EIP-Agri	TMFs developed in the context of FERTIMANURE	2022
UVic-UCC	Extensius.cat	New sustainable fertilisers tested in Catalonia	2022
UVic-UCC	Vida Rural	Testing new, sustainable fertilisers from renewable sources	2022
UVic-UCC	Tierras	Testing new, sustainable fertilisers from renewable sources	2022
APCA	Réussir Terra	New fertilizers produced at the farm level: 1st results of field trials	2022
APCA	Paysan breton	Three Strategies for Zero Waste Effluent Management	2022



<b>Proposed by</b>	<b>Magazine/sectorial/non-technical publication name</b>	<b>Tentative title/topic</b>	<b>Tentative month/year</b>
FHR	agrar heute	Fertilizer production from cattle manure - a demand oriented approach for nutrient supply	2022
RITTMO	Web-agri	Manures valorization into high value fertilizer	2022
RITTMO	ESPP newsletter	Phosphorus bioavailability from manures biochars	2022
UGENT	EIP-Agri	BBFs developed in the context of FERTIMANURE	2022
LEITAT	Algae industrial magazine	Microalgae hydrolisates as new bioestimulants	2023
RITTMO	INTERNATIONAL BIOCHAR NEWS / IBI	Biochar from manures: characterization and agronomic properties	2023
FHR	Food & Farm	Improvement of plant growth by application of high plant available phosphorous fertilizer	2024



Proposed by	Magazine/sectorial/non-technical publication name	Tentative title/topic	Tentative month/year
APCA	Action Agricole Picarde	Field trials of new bio-based fertilizers on potatoes: 1st results)	2021/2022
RITTMO	TRAVAUX ET INNOVATIONS	FERTIMANURE project (various themes and results)	2021/2022/2023
APCA	Potato Planet / La Pomme de terre Française	Results and outlook for potato biofertilizers	2022/2023
APCA	Filières Avicoles	On-farm biochar production	2022/2023

## 4.2. Videos

Each of the on-farm pilots will be producing a video in which they will show the pilot, the trials that are being done, the results of each pilot, etc. WENR has been producing the first sections of the Dutch video, and this will be the one that will be taken as an example for the other pilot plants. It is expected to have the other pilot plant videos in the first semester of 2022.

## 4.3. EIP-practice abstracts

Up until now FERTIMANURE has produced 4 practice abstracts that will ensure the uptake by farmers, outlining the benefits and practical recommendations for the use the produced BFF and TMF. These will be translated into all the consortium languages as soon as they are approved by the European commission. This material will be helpful to disseminate the project results directly to farmers in an easy to understand way. A total of 12 practice abstracts will be produced by the end of the project.

The four practice abstracts produced until now are:

- EIP Practice abstract 1 H2020 FERTIMANURE project objectives
- EIP Practice abstract 2 Innovative on-farm pilots to recover nutrients from manure



- EIP Practice abstract 3 Changes to the EU fertiliser regulation will allow for harmonization of criteria for BBFs across Member States
- EIP Practice abstract 4 Existing nutrient imbalances in European regions

#### 4.4. Attendance to the main events and conferences

FERTIMANURE dissemination of results will take place in the most important conferences, events, workshops or fairs, in which the different partners of the project will participate.

The following are the most important:

Table 13 Conferences/fairs attended during 2020 and 2021

Name	Number of participants	Date	Audience	Partner involved	Place	Type of activity
2nd edition of ESNI 2020 Conference	128	26-11-2020	Researchers and scientist, EU projects and policy makers	UVic-UCC	Online	Participation to a conference
BIO-raffiniert XI	40	24 and 25-03-2021	Researchers and scientist, Fertiliser producers	FHR	Online	Participation to an event
European Biosolids & Bioresources Conference	200	16/17-11-2021	Scientific and industry	FHR	Online and virtual	Participation to a conference
COMIFER-GEMAS	260	24/25-11-2021	Policy makers and authorities, Academia and research, Agricultural producers and Fertilisers processing industry	APCA	Face-to-face	Participation to an event





Table 14 Conferences/fairs that will take place during the following years to come

Proposed by	Conference or fair name	Tentative presentation title/topic	Month/year of planned conference
UVic-UCC	8th International Conference on Sustainable Solid Waste Management	Integrated valorization of pig slurry for value-added products manufacturing	2022
UVic-UCC / LEITAT / UMIL / IPS / FHR / WENR / UGENT / FERT	MANURESOURCE conference	(various)	2022
APCA	Brittany Poultry Day	Depends on results	2022
UVIC	European society for Agronomy	The development of TMFs in the FERTIMANURE project	2022
APCA	Rendez-vous Tech and Bio (in France)	Depends on chosen themes by organizers	2022
FHR	IFAT	Taylor made fertilizer production from cattle manure	2022
FHR	KTBL progress on manure treatment	Nutrient recovery system from cattle manure at pilot scale	2022
RITTMO	Journée Recherche & Industrie Biogaz Méthanisation (French only)	Ammonium salts obtained from liquid digestate - quality and efficiency	2022
UGENT	European Sustainable Nutrient Initiative ESNI 2022	Oral or poster presentation about the project	2022



Proposed by	Conference or fair name	Tentative presentation title/topic	Month/year of planned conference
FHR	European Biomass Conference and Exhibition EUBCE	Comprehensive valorisation of cattle manure: biofuels and nutrient recovery	2022
UVIC	World biostimulants congress	Algal biostimulants for stress protection in ryegrass and tomato developed in FERTIMANURE	2023
UVIC	European geosciences union	Agro-ecological characterization of novel tailor-made fertilizers in the FERTIMANURE project	2023
UVIC	Eurosoil	Soil properties as affected by TMFs developed in the FERTIMANURE project	2023
LEITAT	Eurosoil	Antibiotic resistance genes in bio-based and tailor-made fertilizers	2023
LEITAT	AlgaEurope conference.	Microalgae hydrolisates as new bioestimulants	2023
LEITAT	EABA conferences (it's not detailed the name yet)	Microalgae hydrolisates as new bioestimulants	2023
APCA	Paris International Agricultural Fair Show (Salon International de l'Agriculture de Paris)	Depends on chosen themes by organizers	2023



Proposed by	Conference or fair name	Tentative presentation title/topic	Month/year of planned conference
APCA	Salon TECH & BIO (in Valence, France)	Depends on chosen themes by organizers	2023
FHR	DPP-FORUM 2023	On-farm production of phosphorus fertilizer by treatment of cattle manure	2023
RITTMO	Paris International Agricultural Show	Tailor made fertilizer produced from manures	2023
UGENT	European Sustainable Nutrient Initiative ESNI 2023	Oral or poster presentation entitled: N & P dynamics of manure derived BBF v/s mineral fertilizers in controlled experimental conditions. Case of Flanders	2023
APCA	International exhibition for animal production (SPACE, in Brittany)	Reconnecting nutrient flows between crop and livestock production in a circular economy strategy - FERTIMANURE project	2022-2023
APCA	Agrimax, Terres Innovation and/or PARTAGE project events (Events in Grand Est about fertilization or soil carbon)	Depends on results	2022-2023
APCA	Comité Nord, Potato Europe and/or Quali'Pom (Events in Hauts de France about potatoes)	Depends on results	2022-2023
APCA	Sommet de l'Elevage (in Clermont-Ferrand, France)	Depends on chosen themes by organizers	2022-2023



Proposed by	Conference or fair name	Tentative presentation title/topic	Month/year of planned conference
APCA	Paris International Exhibition of technologies and solutions for efficient and sustainable agriculture (SIMA)	Depends on chosen themes by organizers	2022-2023
FHR	Symposium Fachverband Pflanzkohle e.V.	Biochar from cattle manure production and application	2022-2023
RITTMO	European Nitrogen Workshop	Nitrogen recovery from manure-quality and efficiency	2022-2023

#### 4.5. Webinars with policy makers

Specific communication will be developed for policy makers and standardisation bodies: Two policy webinars will be organised; one led by DARP and APCA, and the other one by INTA. These webinars will educate policy-makers about biofertilisers and allow to compare biofertilisers policy in Europe and in South America.

Targeting industrial and scientific community, technical webinars will also be held for training purpose around circular bio-based economy and biotechnological valorisation of agricultural wastes. Both European and South-american partners will be involved in webinars organisation.

#### 4.6. Bio-refine cluster Europe

In order to facilitate knowledge and good practice exchanges between relevant EU initiatives, FERTIMANURE will create a Cluster initiative with projects funded under the same topic and other relevant projects funded in by the European programmes (national programmes as well). This initiative will be open to all of the projects already identified, and that would be willing to participate and collaborate in different ways (workshops, etc) with the FERTIMANURE project.

#### 4.7. Intermediate events

The first intermediate event that was organised by FERTIMANURE, was supposed to take place in the manuREsource conference, which is the international conference on manure management and valorisation. FERTIMANURE was supposed to host 2 parallel sessions and 2 round tables:



**The 2 parallel sessions were**

*Parallel Session 1 “European nutrient balance landscape and market opportunities for closing nutrient loops”*

Current situation of manure production and management in EU. Nutrient imbalance analysis in six European countries	LEITAT / UMIL
Market landscape analysis of bio-based fertilizing products.	IPS
FERTIMANURE fertilizing products – Agronomic performance and competitiveness in the market	UGENT

Type of audience that attended: will be added next year

*Parallel Session 2 “Innovative manure processing plants for the production of marketable bio-based fertilisers”*

On-farm biorefinery for bio-based fertilisers production as an innovative technological solution for pig slurry valorisation	UVic-UCC
Nutrient recovery from cattle manure through a novel thermo-chemical conversion process	FHR
Producing bio-based fertilisers from co-digested dairy cattle slurry at the on-farm APF pilot plant in the Netherlands	WENR
On-farm Tailor Made Fertilisers Production	FERT

Type of audience that attended: will be added next year

**The 2 round tables were**

*Topic for round table 1 “Product Category Rules for bio-based fertilizers. In search of a consensual approach”*

When? 25th of November @11h00-11h59 and @12h00-13h00

Where? To be confirmed at the conference

Type of audience that attended: will be added next year

*Topic for round table 2 “What does Bio-Based Fertiliser means? Discussion on a common definition for the term BBF”*

When? 25th of November @11h00-11h59 and @12h00-13h00

Where? To be confirmed at the conference

Type of audience that attended: will be added next year



The other intermediate events will take place in Poland and Argentina, and the final conference will be held in Spain.

The manuREsource conference will take place from May 11th – 13th 2022. Local restrictions to stop the further increase of the COVID19-infection rate in The Netherlands, were communicated by the Dutch Government during a press conference on 12 November 2021. These local restrictions prevented the organisation of manuREsource 2021 conference that was supposed to take place on the 24th, 25th, and 26th of November that year.

#### 4.8. Press release

Up until now, only one press release has been launched. By the end of the project, FERTIMANURE should have produced 4 press releases at least. The following press releases should disseminate the most important project results that will be published by the different journalist and magazines at European level, thus maximising the impact and the reach of the targeted audience.

#### 4.9. Final conference

The final Project event will be organised in Catalonia. It will be the opportunity to promote FERTIMANURE outcomes and benefits to all public and private stakeholders, especially investors and end-users to ensure efficient roll-out and uptake of the technologies developed during the Project. The final conference is expected to bring a large amount of stakeholders that will be able to know the most important project results, the publications that were done during the duration of the project, the technologies that were developed, the types of BBFs produced on each of the pilots, the TMFs produced by the chemical industry, the benefits that they can get from the FERTIMANURE project, etc.

### 5. Discussion

Communication and dissemination activities are a central pillar in any type of project, since the objective is to maximise the impact of the project and to get the results to the end-users that will exploit them.

Several communication activities have taken place, from which is worth mentioning the **project branding**. These were done in order to create a framework that would be useful for all of the project partners so that they could present the project in any event, conference, workshop, etc. This branding has been followed by all of the project partners in all of their communication activities, since in the end, this is FERTIMANURE's identity. All of the communication and dissemination material that has been created is found on the project website and it follows the project branding. This was a very important step at the beginning of the project because we were able to create an identity that now is followed by the FERTIMANURE partners (templates, guidelines, e-mail signature).

A **project website** was created as the main communication channel and it contains all of the publications that are interesting for the stakeholders, the intermediate events where FERTIMANURE will participate at, the public deliverables, the newsletters, the press release and all of the communication and dissemination material that was created, like the leaflet, and the explanatory videos. This is the main channel that FERTIMANURE



uses to keep its stakeholders informed. The project website has suffered some changes, since the beginning of the project because it is a work in progress. An example of this is the project database that was added and which contains information about all related projects at national, regional, European and international level (**see Deliverable 7.3 Communication and Dissemination material M24**).

As it can be seen in figure 2, the website managed to get 1.5k visitors since the beginning of the project. With the publication of the project results, attendance to more events, etc, we will manage to get a higher number of unique visitors. Also in Figure 3 it can be seen that most of the webpage users come from Spain, France, Belgium Russia, USA, the Netherlands and Germany. Most of the website visitors are from the countries where the project has a pilot, which means that there is an interest to know more about the project in these. In Table 1 we can see that the engagement rate is 56% which means that at least half of the unique visitors engage with the project publications.

The social networks play an important role in the communication activities since they are used widely around the world and different stakeholders are using them to follow the topics that interest them. On **twitter** we managed to get 194 followers (Figure 4) by the end of the 2<sup>nd</sup> year of the project, which shows that the communication activities (83 posts) that were published in this social network have been of great interest to the different stakeholder. As you can see in table 2 the months of February, March and April were the ones that cause the highest tweet impressions, and profile visits. During these 3 months the first pilot advancements were published, so this means that this type of information interests very much the twitter followers (stakeholders). On **LinkedIn**, FERTIMANURE managed to get 305 followers by the end of 2021, which is even higher than on Twitter. This means that LinkedIn, the professional social network, is a very good way to communicate to the different stakeholders about the project and its advancements. As you can see in Figure 5 the top industries that visited the profile were mainly part of the stakeholder groups 1, 2 and 3 of **Deliverable 6.3 Inventory of stakeholder groups relevant for BBFs and market uptake**. It can also be seen in Figure 6 that highest percentage of visitors come from different regions of Spain, where one of the pilots is being developed. As you can see in figure 7, the same Twitter trend can be seen in which FERTIMANURE got more followers during the months where the pilot advancement publications were posted.

On **facebook** FERTIMANURE managed to get 73 followers and 58 likes, which is very good, since it is the social network where stakeholders react the less. It was observed that the publication with the highest organic reach was the newsletter No. 1 (Figure 11), which is good since it was the first communication sent by the project to all of the subscribers, and the ones with the lowest organic reach was the one related to a joint junior research job post (Figure 10). As you can see in Figure 12 we managed to get the highest number of followers during the month March, one of the months where the pilots advancements were published. As mentioned in section 3.3 the KPI for the social networks was achieved. On **YouTube** we managed to get a total of 22 subscribers by the end of 2021 (Figure 13). We hope that this number will go up in the following years, since the FERTIMANURE partners will start showcasing the videos more in regional events, conferences, etc. As it can be seen in Figure 14 (number of views per video) the most viewed video is the one with Spanish subtitles, followed by the one with English subtitles and finally we have the one with no subtitles. These are the ones that have more views since they are the original videos published on the same date. Then it was decided to create the other versions in all of the consortium languages, so that is why these have less views.

An **explanatory video was created**, and it was then subtitled in all of the consortium languages, as mentioned before. During the project events, conferences and workshops; the different project partners have been able and will continue to showcase the project in the stakeholders own language. This will take greater importance when visiting the different pilots or when organising local events, conferences and workshops during the years that follow. A **leaflet** was created, and it explains the most important aspects of the project. Due to the current COVID situation, the leaflet has been sent electronically, since the face-to-face events have been cancelled.



In the next intermediate event, that will take place on May 2022, these will be printed so that the stakeholders attending the roundtables and parallel sessions can know more about FERTIMANURE.

3 **newsletters** have been launched up until now, and they have been sent to the website subscribers. The newsletters are an easy way to keep our stakeholders informed about the most important highlights and advancements in a very easy to understand way. It is expected that the following newsletters will be more focused on results. As you can see the opening rate of the newsletters is between 35-45%, which gives us a good indication that people are reading the newsletters that are sent to them. A 1<sup>st</sup> **press release** was launched at the beginning of the project and it reached 223 journalists. This press release was an introduction of the project and a contact person per partner so that the different stakeholders know who to address. The next 3 press releases should be focused on results more than in general information about the project.

Non-scientific **articles and publications** are another way to keep the stakeholders informed about the project, and up until now FERTIMANURE partners have managed to write 105 articles/publications to keep the stakeholders informed about the project. Up until now no scientific articles have been written, but as soon as the project gets results, we will do so. Regarding the conferences, events and workshops it can be said that the partners have managed to participate to 9 events, 9 conferences, 3 workshops. It has also organised 2 conferences, 3 workshops, and has participated in 2 activities organised with other H2020 projects. Regarding the dissemination activities it is worth mentioning that by the end of the second year, FERTIMANURE has not produced yet, exploitable results so the scientific publications will be mostly done during 2022 and 2023 (see table 10 and 12).

4 **practice abstracts** that have been created and that will be explaining the benefits to farmers. These 4 practice abstracts will be revised and submitted again in July 2022 (M31) of the project, since some of the phrases, information, etc need to be updated/improved. After the approval of the EU, they will be disseminated through the project communication and dissemination channels. All of the practice abstracts will be translated to all of the consortium languages as to allow an easy uptake of the project results by farmers.

Due to the COVID situation, it was decided that each of the pilots will create a video explaining what they have been doing during the pandemic, since the visits to these were not allowed. The first video was created by WENR, and it will be used as an example for the creation of the other pilots videos. The most important **conferences** were results will be disseminated will take place during 2022 and 2023, and they are shown in Table 14. Up until now, the project partners have participated to 4 international conferences (Table 13).

**Policy webinars** will be organised in the EU and in Argentina, with specific communication developed to educate them about biofertilisers and also to compare the biofertilisers policy in Europe and in South America. These webinars will take place in the years to come, since right now FERTIMANURE does not have the information to educate policy-makers and train the industrial and scientific community.

4 **Intermediate events** will take place during the project duration of the project. The first one was supposed to take place on November 2021, but as explained in section 4.7 it was cancelled due to the COVID situation. The **press releases** to come will be more focused on results and we plan to have at least 3 more for the following 2 years of the project. As part of the intermediate events a **final conference** will be organised by the end of the project, where we expect to invite the stakeholders that will be able to know more about the project and its results.





## 6. Conclusions

- FERTIMANURE project partners have been actively participating to different conferences, events and workshops.
- FERTIMANURE project partners have been actively sharing the communication activities in the social networks, website, etc
- FERTIMANURE project partners have been writing different types of articles and publications explaining the project.
- Communication activities have taken place since the beginning of the project through the main communication channels which are Twitter, facebook and LinkedIn.
- Dissemination of activities have begun, but most of them will take place in the following years to come.
- The project branding has been extremely useful for the FERTIMANURE project identity.
- Many of the communication activities suffered due to the COVID situation, which made it more difficult to communicate about the project.

## 7. Recommendations

- It is recommended to keep following the branding in any type of communication and dissemination activity.
- It is recommended to keep filling-out the templates created so that a record can be kept.
- It is recommended to keep promoting the project in the different events, conferences, workshops, that each of the projects partners participate at, especially the ones linked to the project.

## Annexes

Not applicable

## References

Not applicable



## FERTIMANURE

INNOVATIVE NUTRIENT RECOVERY FROM SECONDARY SOURCES-PRODUCTION OF HIGH-ADDED  
VALUE FERTILISERS FROM ANIMAL MANURE

### PROJECT COORDINATOR

Fundació Universitària Balmes (Spain)

### CONSORTIUM

Ghent University (Belgium)  
Wageningen Environmental Research (The Netherlands)  
University of Milan (Italy)  
Leitat (Spain)  
GreenWin (Belgium)  
European Landowners Organisation (Belgium)  
IPS Konzalting (Croatia)  
Fraunhofer (Germany)  
Dorset Green Machines (The Netherlands)  
Prinsen Dairy Company (The Netherlands)  
French Chamber of Agriculture (France)  
Cooperativa Plana de Vic (Spain)  
AlgaEnergy S.A. (Spain)  
Fertinagro Biotech (Spain)  
RITTMO Agroenvironnement (France)  
Agrifutur (Italy)  
Departament d'Agricultura, Ramaderia, Pesca I Alimentació (Spain)  
Fertilizers Europe (Belgium)  
Instituto Nacional de Tecnología Agropecuaria (Argentina)

### PROJECT WEBSITE:

<https://www.fertimanure.eu>



## Brief project summary

The mission of the FERTIMANURE project is to provide innovative solutions (technology, end-products, and business models) that solve real issues, ie the manure challenge, and help farmers with the challenges that they are currently facing. FERTIMANURE will develop, integrate, test and validate innovative nutrient management strategies so as to efficiently recover and reuse nutrients and other products with agronomic value from manure, to ultimately obtain reliable and safe fertilisers that can compete in the EU fertiliser market.

The FERTIMANURE project will cover both technological and nutrient management approaches. The technological side will be addressed with the implementation of 5 innovative & integrated on-farm experimental pilots for nutrient recovery in the most relevant European countries in terms of livestock production (Spain, France, Germany, Belgium, The Netherlands), whereas nutrient management will be addressed through 3 different strategies adapted to mixed and specialised farming systems:

**Strategy #1** with on-farm production and use of bio-based fertilisers (BBF)(1) , **Strategy #2** with on-farm BBF production and centralised tailor-made fertilisers (TMF)(2) production, and **Strategy #3** with on-farm TMF production and use.

**Definition of Bio-based fertilisers (BBFs):** Bio-based fertilisers (BBFs) are fertilising products or a component to be used in the production of (Tailor-Made) Fertilisers that are derived **from biomass-related resources**.

The BBFs of FERTIMANURE are “obtained through a **physical, thermal/thermo-chemical, chemical, and/or biological processes for the treatment** of manure or digestate that result into a change in composition due to a change in concentration of nutrients and their ratios compared to the input material(s) in order to get better marketable products providing farmers with nutrients of sufficient quality”.

However, just separation of manure in a solid and liquid fraction (as first processing step) is excluded. These products are not conceived as a BBF, although they are valuable sources to supply nutrients on agricultural land.

### LIST OF BBFs Produced in FERTIMANURE

Number	BBF-code	BBF product description
1	NL-AS	Ammonium sulphate solution
2	NL-LK	Liquid K-fertiliser
3	NL-SC	Soil conditioner
4	NL-WP	Wet organic P-rich fertiliser
5	NL-DP	90% dried organic P rich fertiliser (calc)
6	ES-NC	Nutrient-rich concentrate
7	ES-DSC	Bio-dried solid fraction
8	ES-PA	Phosphorous (ashes)
9	ES-AM	Ammonium salts
10	ES-AA	AA-based biostimulants
11	DE-AS	Ammonium sulphate solution (liquid)
12	DE-BC	Biochar (solid)
13	DE-AP	Ammonium phosphate on perlite (solid)
14	BE-AN	Ammonium nitrate



15	BE-AS	Ammonium sulphate
16	BE-AW	Ammonium water
17	FR-BC	Biochar
18*	FR-AS	Ammonium sulphate
19*	FR-AN	Ammonium nitrate
20	FR-LK	Liquid K-fertiliser

\*Ammonium sulphate/nitrate has been split into two BBFs

**Definition of Tailor-Made Fertilisers (TMFs):** A tailor-made fertiliser (TMF) is a customized fertiliser that meets with the nutrient requirements of a specific crop by taking into account the soil type, soil fertility status, and growing conditions and fertilisation practises.

The TMFs obtained in FERTIMANURE are produced from BBFs (produced from manure or digestate and/or other recovered fertilising products that are available) and/or mineral fertilisers (MF) (and/or biostimulants).

Fully crop specific TMFs can be defined and centrally produced assuming e.g. a sufficient nutrient status of a soil type and no additional fertilisation practice.

However, on farm level the soil-crop requirements will be different due to another nutrient status of the soil and the fact that often manure/digestate will be applied on the fields which has to be taken into account as nutrient supplier. Consequently, the composition of the TMF (combination of BBF and MF) that will be used by the farmer can differ from the one produced in a centralised way.

