



3rd edition **PRO-FEM** about **BIO-BASED FERTILISERS**

Bio-based fertilisers: challenges for an efficient nutrient recovery

Vic, 16th and 17th May 2024

What is the main goal?

In the conference it will be discussed the potential in the field of nutrient recovery, considering the importance of biogas and bringing to debate the main challenges and opportunities around this topic.

What is it about?

The first day will be dedicated to the production of bio-based fertilisers and the second day will be dedicated to the market uptake of bio-based fertilisers.

[Access to the program](#)

Would you like present a poster?

If you are interested in presenting a poster at the congress, in order to present research and innovation projects, technological solutions or innovative biofertilizer products, you can send an abstract (maximum 300 words) to: info.beta@uvic.cat. You have time to do it until May 5, 2024.

Who organizes it?

In all the PRO-FEM editions, the Office of fertilisation and valorisation of livestock manure counts with the support of a research center, university and other institutions. This year's edition, PRO-FEM is organized jointly with the BETA Technological Center (UVic-UCC), and has the support of two European projects: FERTIMANURE and NOVAFERT.



Registration

<https://forms.creacongresos.com/profem2024>

Where it takes place?

Paranimf of UVIC-UCC.
Casa Convalescència - Universitat de Vic ([mapa](#))
Carrer del Dr. Junyent, 1
08500 Vic



PRO-FEM 2024 Bio-based fertilisers: challenges for an efficient nutrient recovery

Referent event for the agrifood sector
Vic, 16th and 17th May 2024

What is it about

In this edition, PRO-FEM is dedicated to nutrient recovery from livestock waste and other organic wastes, making a special emphasis on the potential that Catalonia has on the valorization of different organic materials generated in the region for obtaining different valuable materials, such as bio-based fertilisers. The first day is dedicated to the production of bio-based fertilisers, from a more technological perspective, with presentations on the implementation of different valorisation schemes from the point of view of both, the private sector and research. The second day focuses mainly on the market uptake of these products, with the challenges and opportunities that have been identified considering the recent changes in fertilizer regulations, at regional, national and European levels. PRO-FEM offers also the possibility to universities and research centers to disseminate those projects they are working with that are related to the theme of this year's edition.

The end of FERTIMANURE Project. This PRO-FEM edition matches with the final event of this project in Catalonia. FERTIMANURE has been a reference project at European level in the field of obtaining bio-based fertilisers from animal manure and has demonstrated the feasibility to recover nutrients with added value and a great potential to be introduced to the market.

Program

16th of May – Challenges in the production of bio-based fertilisers

- 9.00 h **Registration of attendees**
- 9.30 h **Welcoming**
Mr. David Mascort Subiranas, Minister for Climate Action, Food and Rural Agenda
- 9.45 h **The potential for nutrient recovery in Catalonia**
Catalan biogas strategy 2024-2030
The Catalan strategic plan for digestate valorisation
Elisenda Guillaumes. Director General of Agriculture and Livestock of the DACC
Marta Morera. Director of the Catalan Energy Institute (ICAEN)
- 10.20 h **European policies and definitions for “Bio-based” nutrients**
Chris Thornton. European Sustainable Phosphorus Platform (ESPP)
- 10.40 h **Production of bio-based fertilisers from animal manure**
August Bonmatí. Biosystems Sustainability Program of the IRTA
- 11.00 h **Question session**
- 11.30 h **Networking Coffee**
- 12.00 h **Round table. Challenges during the production of bio-based fertilisers**
Technologies for the valorisation of nutrient rich effluents
Moderator: Xavier Flotats. Emeritus professor of the UPC

Ricard Carreras. BETA Technology Center
Beatriz Corzo. SORIGUÉ
Santi Llauredó. ZEWATEC
David Sauras. FERTIEBRO
- 13.00 h **Research and innovation for the production of bio-based fertilising products**
Moderator: Daniel Babot. Department of Animal Science of the UdL

Nagore Guerra. BETA Technology Center .FERTIMANURE project
Victor Riau. Biosystems Sustainability Program of the IRTA. Circular Agronomics project
Sergi Astals. Department of Chemical Engineering and Analytical Chemistry of the UB. MAGNYFOS project
Antonio Sánchez. Department of Chemical, Biological and Environmental Engineering of the UAB. FertiLab project
Queralt Farràs. EURECAT technological center
- 14.00 h **Networking lunch and poster session**

Where it takes place

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Universitat de Vic ([mapa](#))
Carrer del Dr. Junyent, 1
08500 Vic

Registration

<https://forms.creacongresos.com/profem2024>

Registration price €30.
The registration includes
attendance at the sessions,
coffee breaks, working lunches
and certificate of participation for
the two days

For more information:
Oficina de fertilització i tractament
de dejeccions ramaderes
A/e: fertilitzacio.daam@gencat.cat

15.30 h **Bio-based fertilisers from waste and other organic materials. Industrial and business vision**
Moderator: Meri Pous. Soil Protection Department of the Circular Economy Area of the ARC

Alba Maench. Bages Consortium technique for waste management
Benet Pous. COMPOSCAT
Xavier Rúbies. FRISELVA
Jordi Castells. BIOBERICA
Carolina Almuzara. Catalan Water Agency

16.30 h **Summary and conclusions. End of the first day**

17th of May – Path to market for bio-based fertilisers

9.00 h **Welcome**

9.30 h **Regulatory framework for bio-based fertilisers:**

EU Regulation. Guide for EC marking

Laura van Schöll, Nutrient Management Institute NMI

State regulation. Path to market of the fertilising products and application of these products and nutrient-rich wastes in the field

Bibiana Rodriguez, Deputy Assistant Director of the SG for Agricultural Production Means and OEVV of the MAPA

Gema Gonzalo. Technical advisor of the General Subdirectorate of Circular Economy. Ministry for the Ecological Transition and the Demographic Challenge (MITERD)

Certification of fertilizers

Pilar Pérez. Spanish National Accreditation Body (ENAC)

11.00 h **Networking Coffee**

11.30 h **Round table. Challenges and needs in the field of regulation of bio-based fertilisers**

Moderator: Neus Ferrete. Deputy Director General of Agriculture of the DACC

Bibiana Rodriguez. MAPA

Gema Gonzalo. MITERD

Francesc Giró. Director of Strategic Planning of the ARC

Josep M. Virgili. Head of the Soil Service and Environmental Management of Agricultural Production of the DACC

12.30 h **Round table. Path to market for bio-based fertilisers**

Moderator: Laia Llenas. BETA Technology Center and FERTIMANURE project

Ignasi Salaet. Fertinagro Biotech

Ferran Soldevila. Sun Chemicals Services

Núria Bernaus. Grifó

Ramon Huguet. Ahidra

13.15 h **Networking lunch and poster session**

14.45 h **Current Catalan scenario. Success stories about finished and commercialized products**

Moderator: Jorge Senan. BETA Technology Center

Living Labs at Catalan level in the field of nutrient recovery. Analysis of the NOVAFERT project

Raúl Reyes. Insectius

Toni Deseuras. Selecció Deseuras

Josep Gómez. MUNS

15.45 h **Conclusions and future challenges**

16.00 h **End of the event**

Who organizes it

Departament d'Acció Climàtica,
Alimentació i Agenda Rural



UVIC
UNIVERSITAT DE VIC
UNIVERSITAT CENTRAL
DE CATALUNYA



Collaboration

