

# FER-PLAY: facilitating the uptake of circular fertilisers for circularity & soil health

**Dr Elisa Gambuzzi, CETENMA**

Naturland's online seminar "Alternative circular fertilizers"

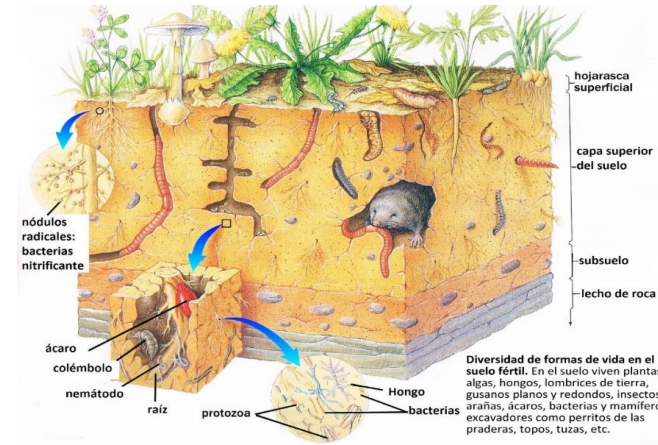
15/03/2024

# What are circular fertilisers?



## Scope/concept:

Those produced using nutrients recovered from **local secondary raw materials and wastewater**



## Aiming for:

Increasing resilience, self-sufficiency

Minimising pollution

**Enhancing soil health**

# Our proposal/solution: FER-PLAY

## GOALS

*Create favourable conditions for the widespread uptake of AF uptake by promoting their use and adoption and increasing awareness*



- Getting to know them better
- Co-creation, communication and dissemination
- Proposing a new way of interacting with our environment
- Having the recipient (soil) more into consideration

## HOW?



# Our project

CSA, Sep 22-Feb 25 (30 months), 12 partners, 2 M € Budget

Coordinated by:

**CETENMA**

Centro Tecnológico  
de la Energía y del  
Medio Ambiente

Stakeholders targeted:



Fertiliser  
producers



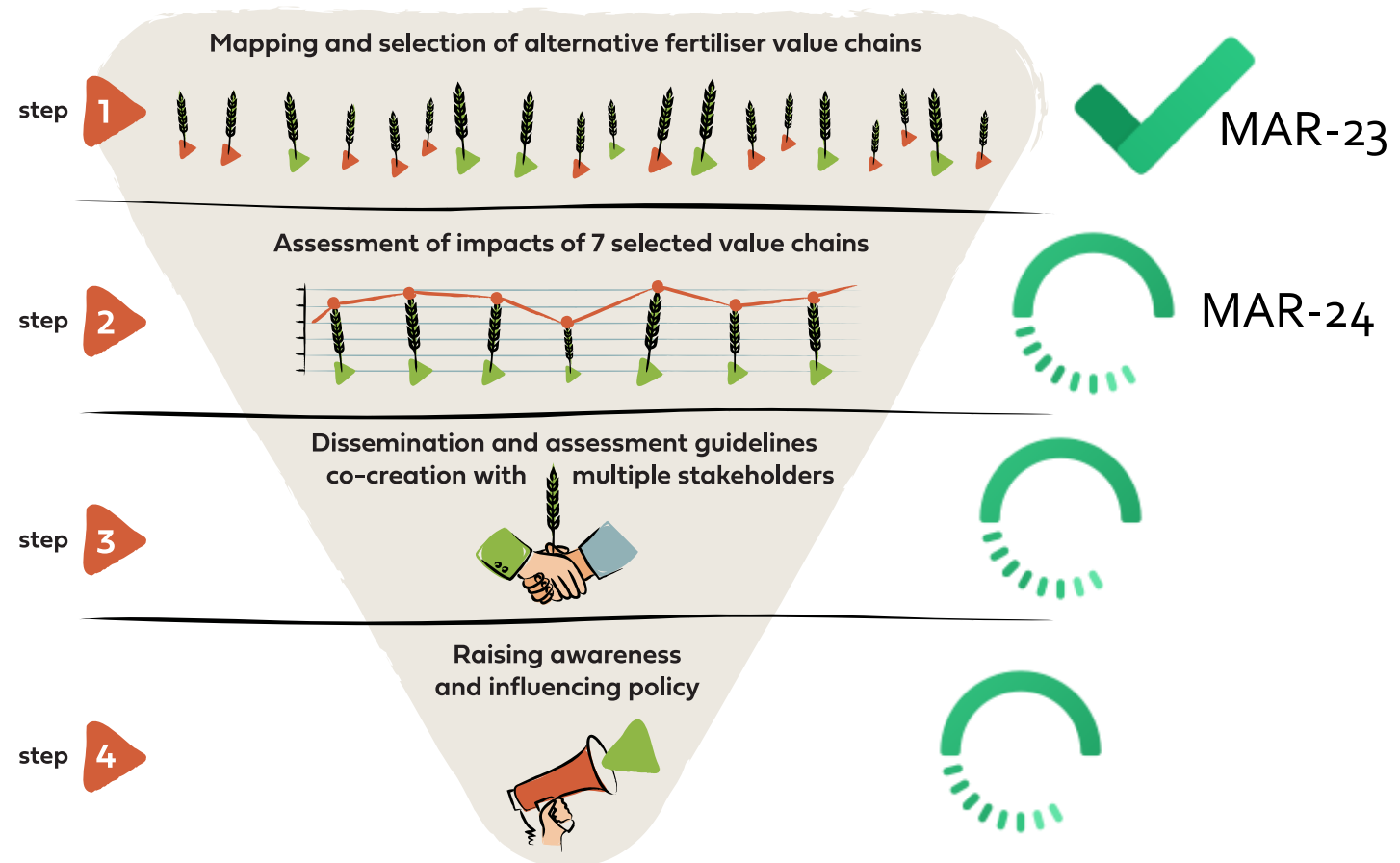
Public  
administrations



Farmers and  
farmers  
associations





Waste valorisation  
& agricultural  
researchers





# Our consortium

FER-PLAY consortium gathers key representatives along the alternative fertiliser value chains:



## ALTERNATIVE FERTILISER PRODUCERS:


  Digestate from all main secondary raw material types, 183 members



  Compost from wastewater, sewage sludge, bio-waste, 120 members

  Struvite from wastewater, sewage sludge, digestate & manure

## FARMERS (END-USERS) ASSOCIATIONS:

  Conventional farmers, 1.5 M members



  Organic farmers, 100,000 members

  Young farmers, +200,000 members



## LOCAL ADMINISTRATION ASSOCIATIONS:



  Pan-European network of cities & regions for sustainable resource management, +100 members

## IMPACT ASSESSMENT & AGRONOMY EXPERTS:

  R&I in waste valorisation & LCAs realisation

  R&I in wastewater treatment & LCAs realisation

  Consultancy in LCAs & market uptake

  R&I in agriculture, network 3,000 farmers. SAFEMANURE contributor

## COMMUNICATION EXPERTS:

  Dissemination & communication















# FER-PLAY Added value

Knowledge



61 value chains mapped

Evaluation

 Urban waste water	 Struvite
 Industrial waste water	 Struvite
 Sewage sludge	 Stabilised sludge
 Biowaste	 Composted biowaste
 Biological by-products	 Feather meal
 Digestate	 Solid fraction of digestate
 Treated manure	 Spent Mushroom Substrate



**Lifecycle  
sustainability  
assessment**



# FER-PLAY Added value

Co-creation

Guidance/Advice



Fertiliser producers



Public administrations



Farmers and farmers associations



Waste valorisation & agricultural researchers



**Novafert**

Social acceptance  
(>300 surveys)

- **Guidelines for end-users and producers (Sep24)**
- **Recommendations for administrations (Sep24)**

**End user social acceptance of circular fertilisers in the European framework: Insights from the FER-PLAY Project**

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# FER-PLAY Added value

Policy action



- **Surveys to policy experts + literature**
- **manuREsource (Mar 24)**
- **Webinar (Jun 24, Dec 24)**
- **Workshops: capacity building (Jan25)**

Interaction/connection with internal projects



## 6 Soil HEalth Living Labs

SWEDEN (Boreal)	GREECE (Med-Mining)
SPAIN (Mediterranean)	ITALY (Alpine)
SPAIN/ FRANCE (Atlantic)	BULGARY (Continental)





# FER-PLAY Added value: stakeholder groups

EU projects (>50)



Public adminis,  
policy experts



Farmers (1.8 M)



Producers,  
Focus group



# Get involved!

 [www.fer-play.eu](http://www.fer-play.eu)

 @FER\_PLAY\_eu

 FER-PLAY EU

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**activities,**  
**events**

# Thanks for your attention!

*More info?  
Contact me!*



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