

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

Dr Elisa Gambuzzi, CETENMA

ECN and CIC seminar “Circular Fertilisers for Healthy Soils”

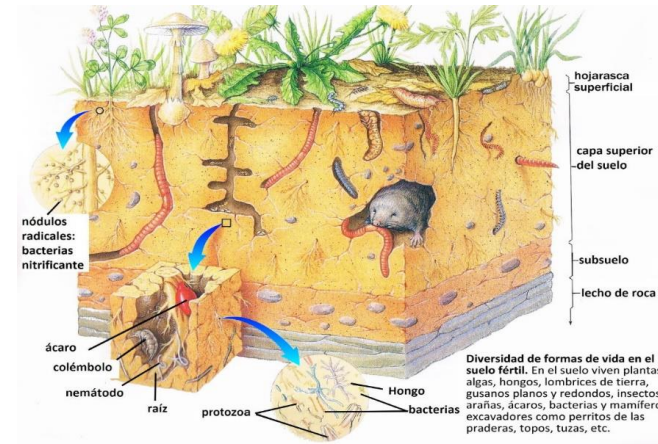
18/04/2024

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



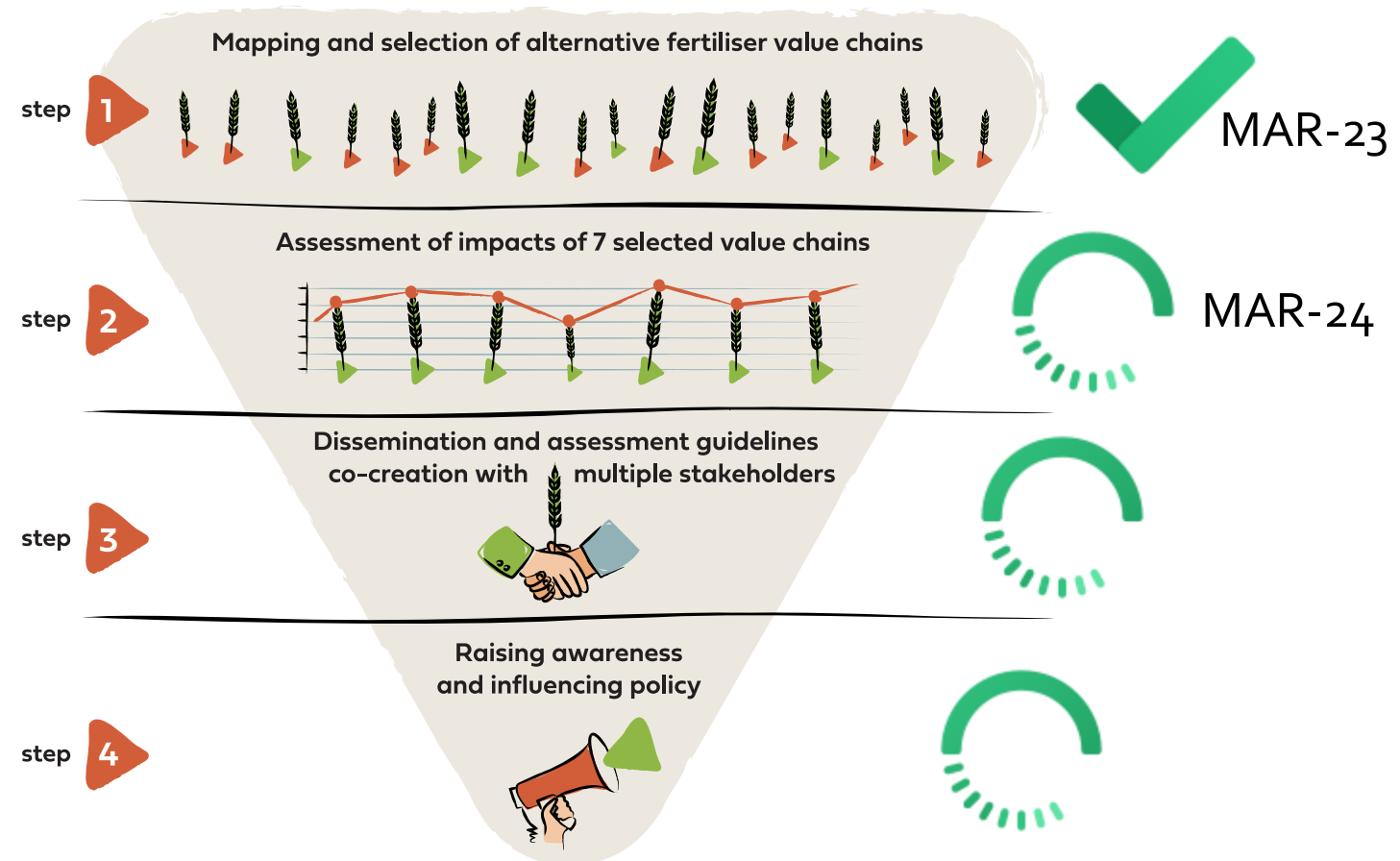
Public
administrations



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



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!

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Thanks for your attention!

*More info?
Contact me!*



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