



NUTRITIVE

Develop a decision-making tool for manure management strategies of a given livestock farm
(HORIZON-CL6-2023-ZEROPOLLUTION-02)





Family-owned company (since 2014)

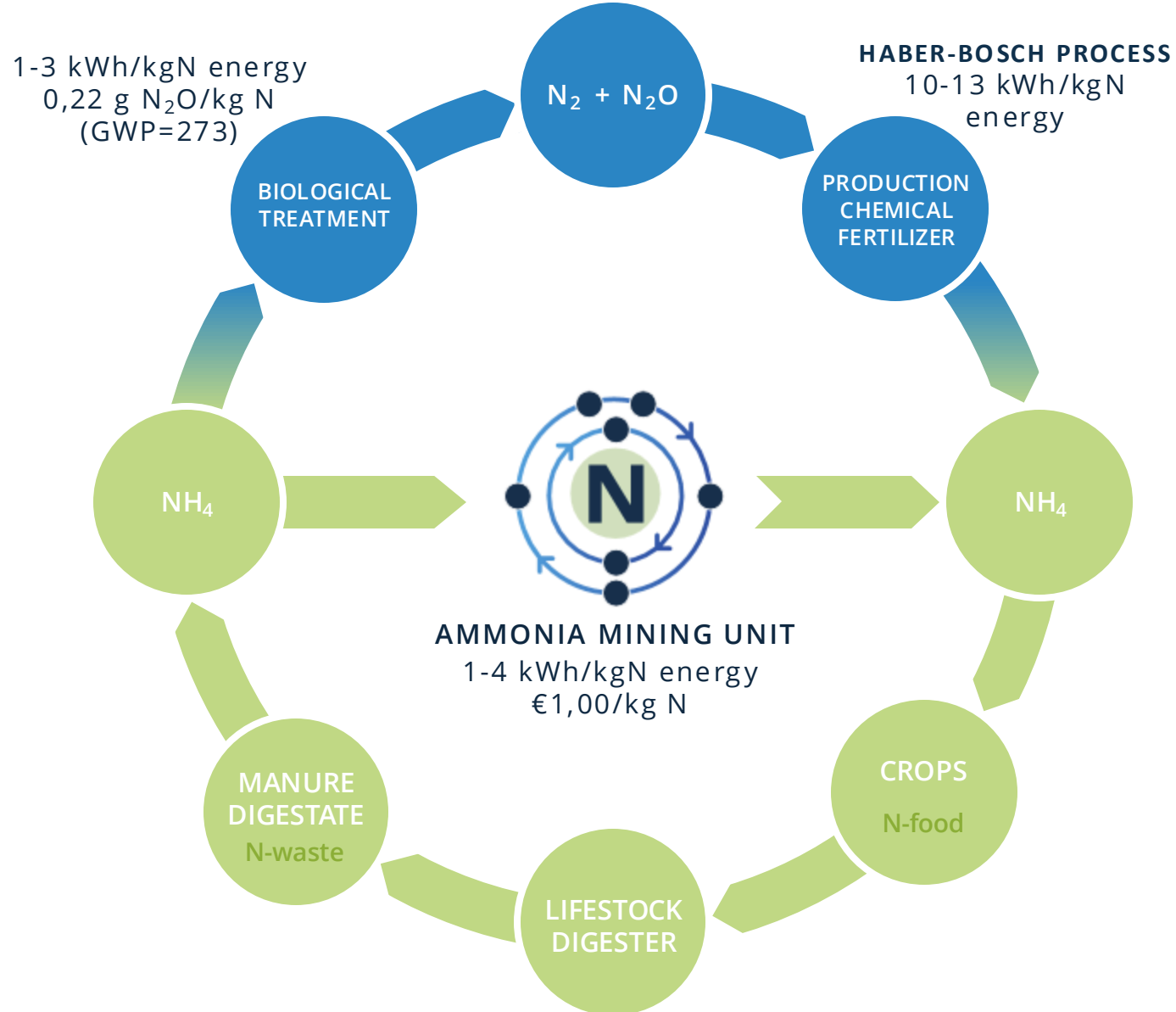
Engineering and construction of environmental technology from lab-scale to market introduction

FOCUS

Ammonia recovery from manure and digestate to produce 'Sustainable ammonium salts' with patented (EP3813971B1) stripping technology

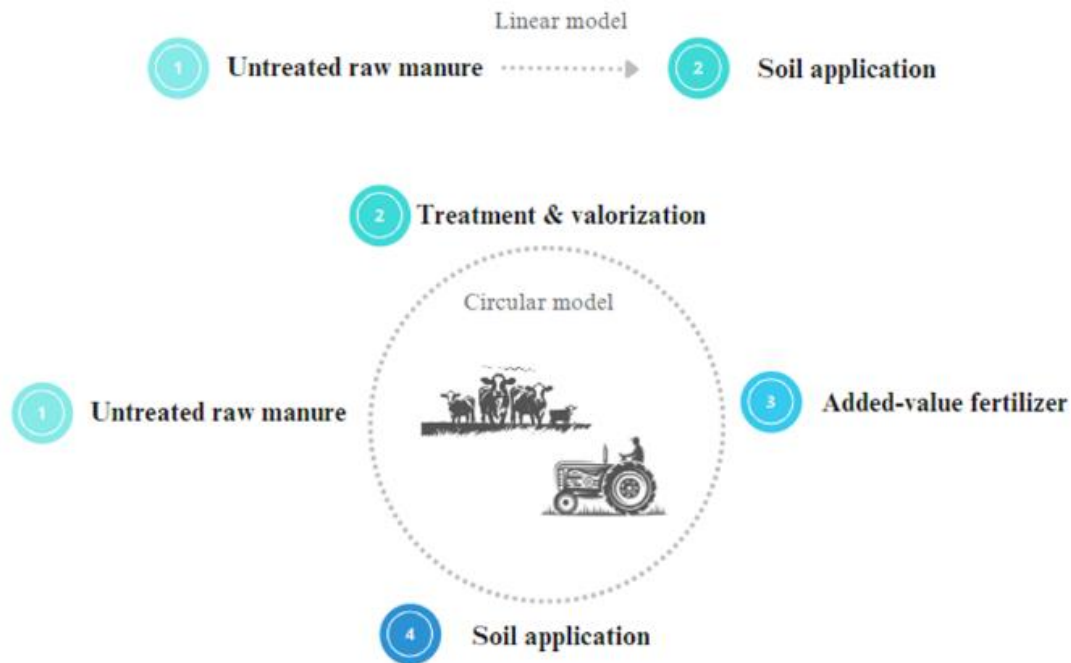
STRENGTHS

Process modelling, ammonium salt valorisation and research & innovation





The **main objective of NUTRITIVE** is to develop a **decision-making tool** (DSS, decision support system) able to define the **most efficient and sustainable manure management strategy** for a given livestock farm. Based on three pillars (environmental, economic, and social) **it will limit manure air emissions** as well as **soil and water contaminants**. This will allow for the formulation of technical guidelines and recommendations that will **support policy makers** with enhanced knowledge to establish requirements for future European policies.



+20 Novel Strategies / Technologies

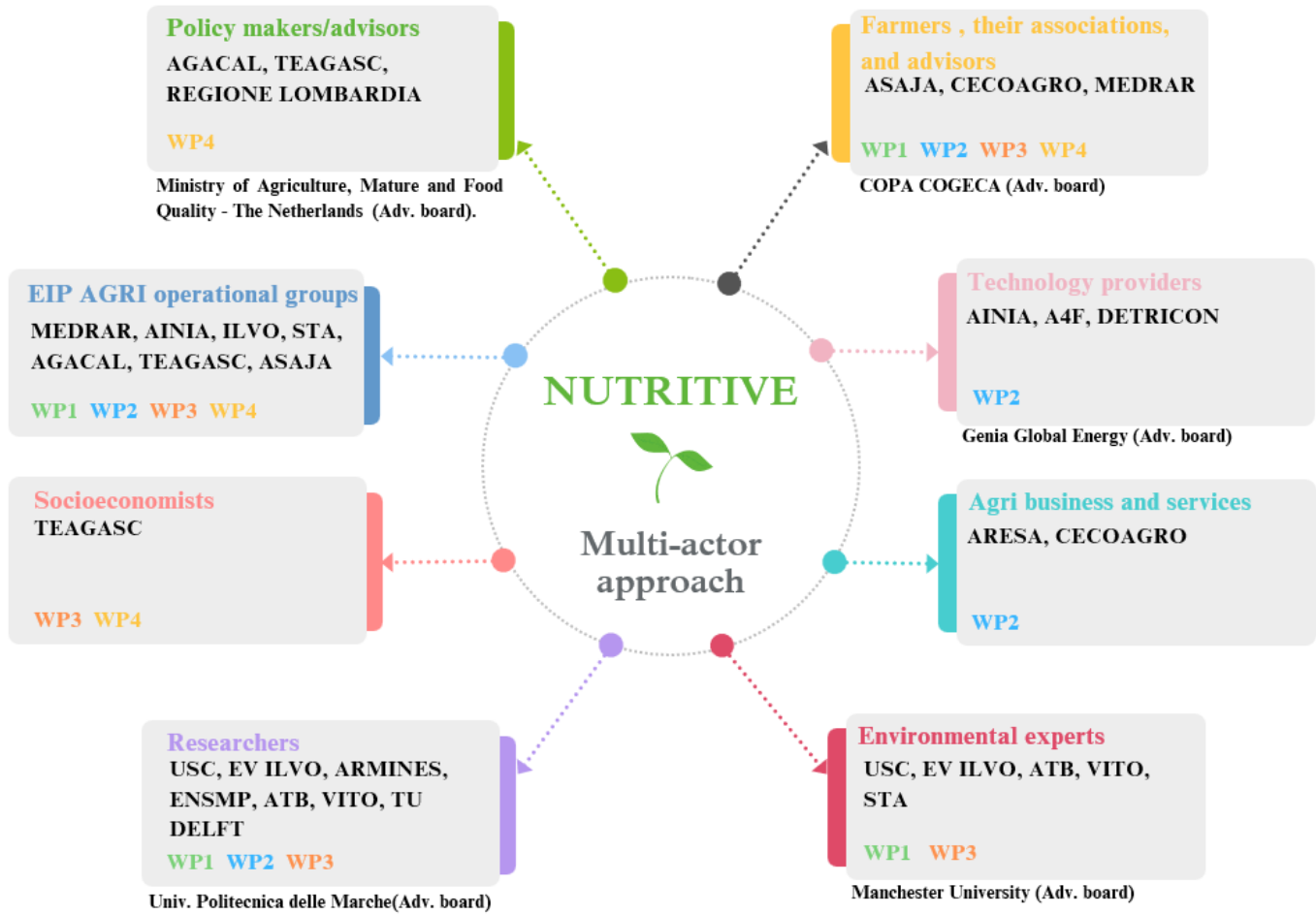
+600 Soil & Water Samples

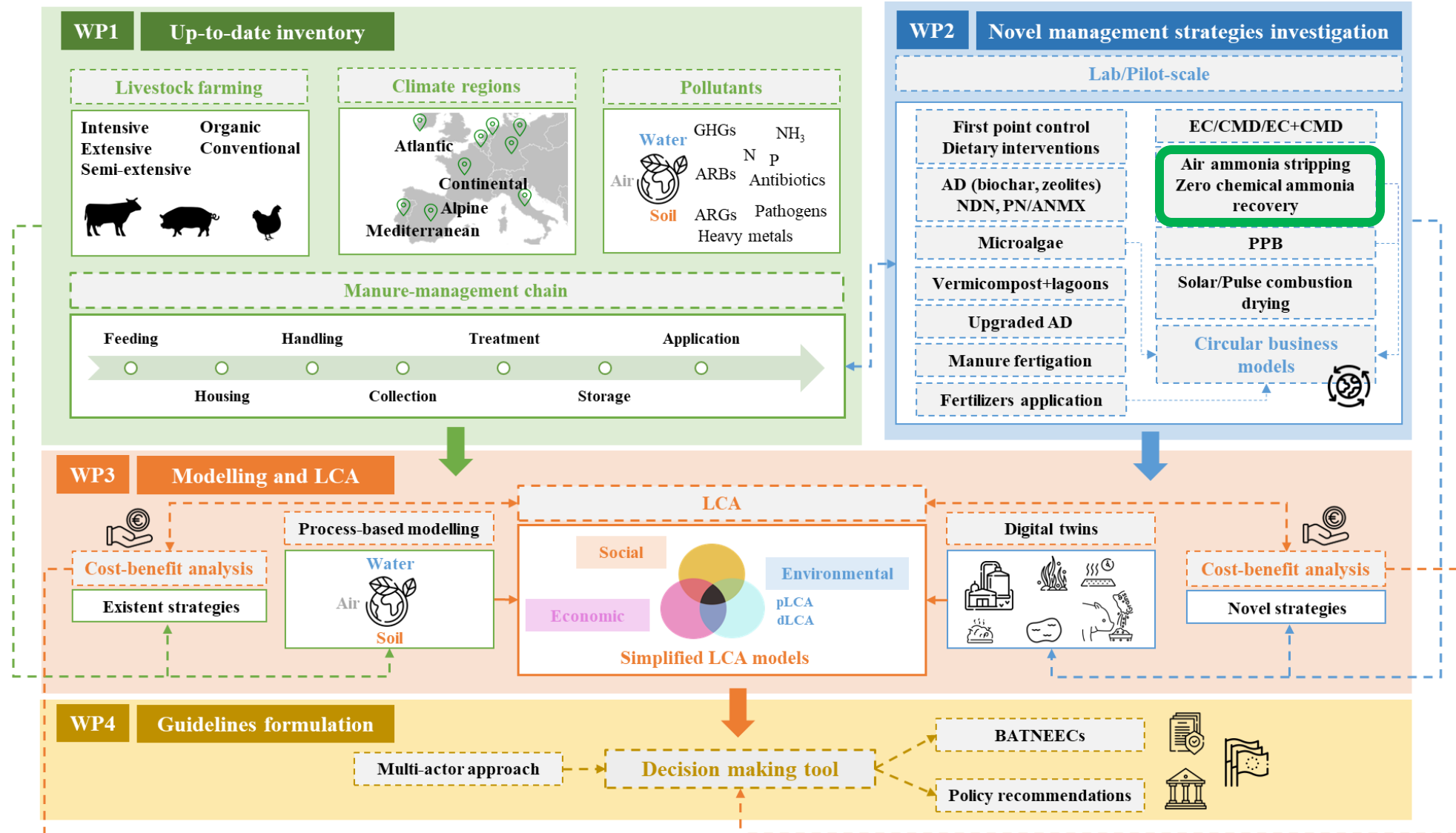
+35 Livestock farms

+300 Primary producers

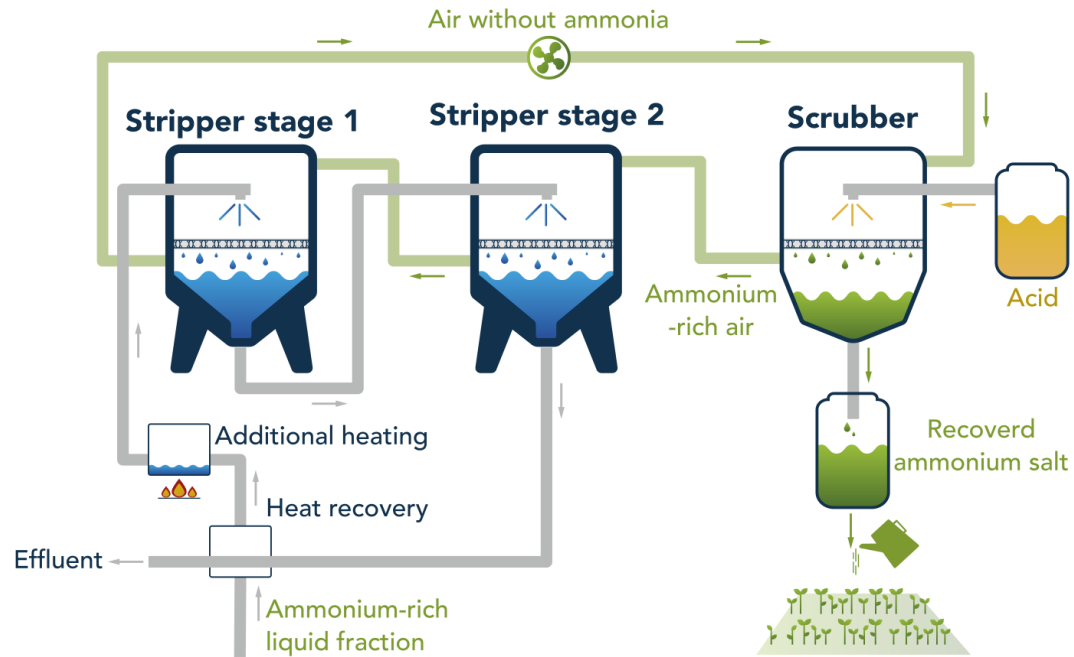
MULTI-ACTOR & INTER-DISCIPLINARY APPROACH

22 partners
9 countries
6 climatic regions

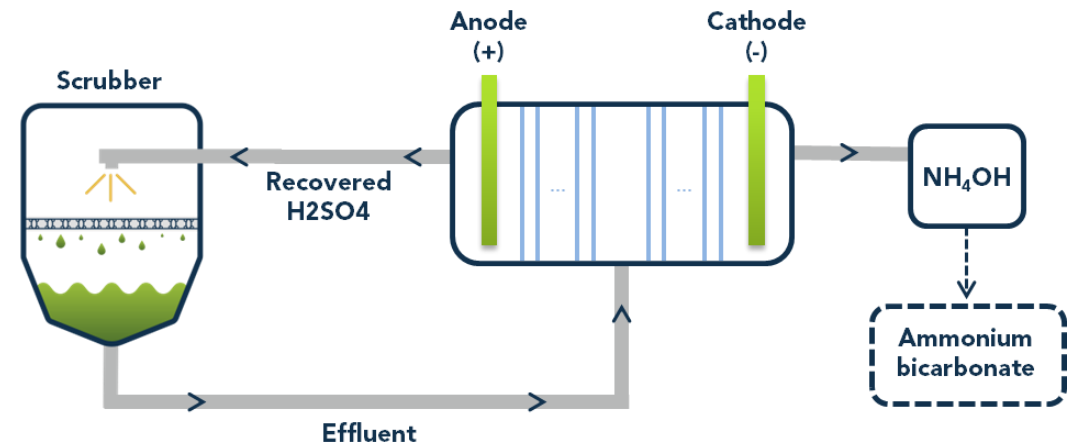




Air ammonia stripping for nitrogen recovery




Zero-chemical nitrogen recovery







END PRODUCTS




AMMONIUM SULFATE
liquid



AMMONIUM NITRATE
liquid




AMMONIUM HYDROXIDE
liquid




AMMONIUM BICARBONATE
Solid (crystals)

ADVANTAGES



LOCAL PRODUCTION OF GREEN CHEMICALS
ammonium sulfate & ammonium nitrate



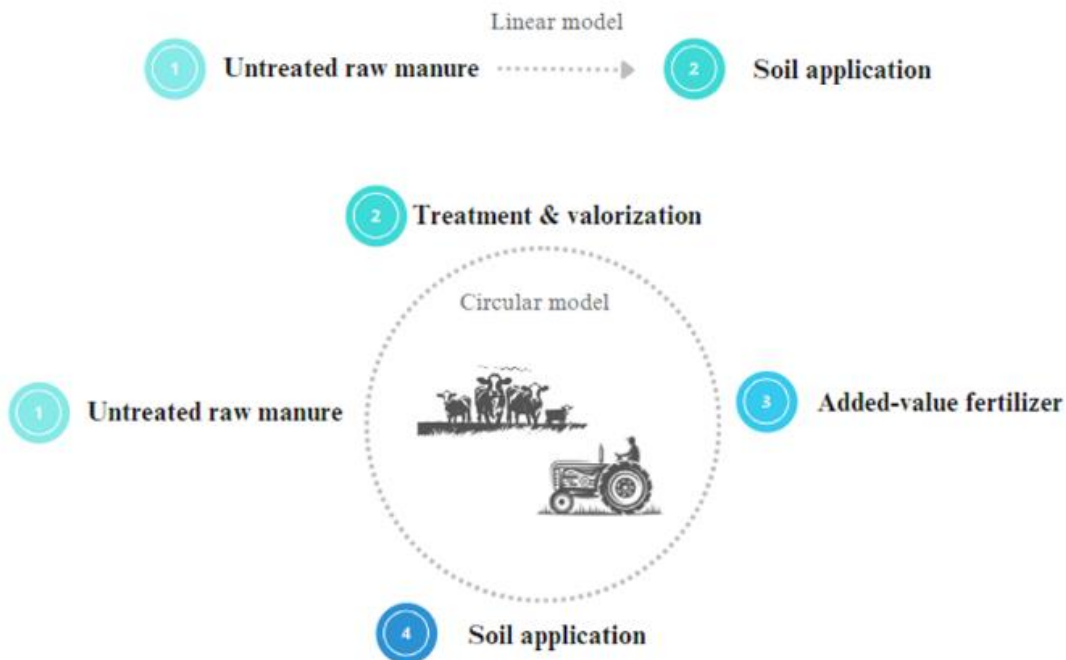
WATER PURIFICATION
with low energy requirements



REDUCTION OF GREENHOUSE GAS EMISSION
due low-emission deployment of effluent

CONCLUSION

By combining **technology, sustainability, and stakeholder engagement**, NUTRITIVE supports the transition toward **cleaner, circular, and climate-smart livestock farming**. Through **farm-specific assessments**, it provides tailored recommendations that **reduce air emissions, improve nutrient recycling, safeguard soil fertility, and prevent water pollution**, ensuring solutions that are both **practical and widely applicable**.



CONTACT



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NutritiveHorizonEU



Funded by
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INNOVATIVE DECISION-MAKING TOOL FOR DEFINING THE MOST SUITABLE
MANURE MANAGEMENT STRATEGIES TO ACHIEVE A SUSTAINABLE
LIVESTOCK FARMING SYSTEM DURING THE WHOLE VALUE CHAIN