



Transformation for sustainable nutrient supply and management

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trans4num Newsletter #6

Across Europe and China, agriculture is at a crossroads. The way we manage nutrients today, especially nitrogen and phosphorus, is unsustainable, harming ecosystems and threatening long-term food security. At trans4num, we're working to change that. Through collaborative research, participatory tools, and nature-based solutions, our project is mapping practical pathways toward circular nutrient systems. In this newsletter issue, we take you behind the scenes: into the fields, labs, workshops, and policy spaces where transformation is being co-created one experiment, one insight, one step at a time.

Reflections from trans4num



What do carrots, compost, and microbial biomass have in common? A soil-sampling day at SPNA on how different nutrient strategies are transforming our understanding of sustainable agriculture.

[Read blog](#)



How do you change a system from the inside out?

Denmark's Climate Foundation Skive is doing just that: building a regulatory sandbox to test green innovation at real-world scale.

[Read blog](#)



The future of farming may lie in something as simple as clover and grass.



How do you model a better future?

This blog explores how scenario-based modelling tools are helping trans4num

Denmark’s green refining pioneers show how nature-based solutions can feed the world and heal the land, if we invest now.

Read blog

Today’s nutrient systems are broken - so what does practical, inclusive transformation look like? This blog explores how science, storytelling, and community shape the path to sustainable agriculture.

Read blog

design pathways to agricultural transformation: one farm, one region, one system at a time.

Read blog



trans4num news



The trans4num 2025 General Assembly brought together European



The trans4num China website has officially launched, providing a

and Chinese partners to align on stakeholder engagement, modelling tools, and upcoming events as part of the project's push toward sustainable nutrient management.

[Learn more](#)

dedicated platform to showcase China-based nature-based solutions and strengthen the EU-China collaboration on sustainable nutrient management.

[Learn more](#)

The recent trans4num & AMAIZE-P joint field excursion in Denmark brought participants face-to-face with cutting-edge agroecological innovations, ranging from phosphorus filters and plant-based fertilisers to biorefineries and long-term field trials, highlighting the power of hands-on collaboration and knowledge sharing

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trans4num network

In this new section, we **highlight projects, platforms, and initiatives** connected to Nature-Based Solutions (NBS) from across Europe and beyond. Our aim is to showcase synergies, spark collaboration, and amplify shared impact.



[Learn more](#)

LivingSoiLL is a Horizon Europe project under the EU Soil Mission, aiming to restore soil health through sustainable management in permanent crops. It establishes 5 Living Labs across Portugal, France, Spain, Italy, and Poland, involving over 2,000 local actors. Key goals include reducing erosion, improving soil structure, boosting biodiversity, and enhancing water retention and resilience through co-created and tested digital solutions.

trans4num library

This library presents all the documented results of the trans4num project at one place.



Deliverables



Videos



Publications



Practice
abstracts



Communication
materials



Online
inventory

The project library offers access to a variety of materials that we invite you to discover. As the project progresses, we will add more information and resources so make sure to check back...

[Go to the library](#)

In **trans4num**, we believe that real change happens through collaboration. Whether you are a farmer, researcher, policymaker, or sustainability advocate, your engagement helps drive the transformation toward more resilient and nature-friendly farming systems.

How can you support trans4num?

- Share this newsletter with colleagues, farmers, and networks interested in sustainable agriculture & nutrient management.
- Follow us on LinkedIn to stay updated on the latest research, fieldwork, and farmer-focused events.
- Engage with us! Comment on our posts, share your insights, and let us know how Nature-Based Solutions are working in your region.
- Join our upcoming events — whether it's a webinar, a workshop, or a field demonstration, we'd love to see you there!



Follow us on social media!



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