Funded by
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trans4num

trans4num in Denmark

Turning Green Biomass into Circular Solutions

From perennial crops to regional innovation hubs

https://trans4num.eu/en/

1. THE CHALLENGE

Can nutrient runoff be reduced without harming farm productivity?

In Denmark’s Limfjord region, trans4num is exploring how green biomass and circular models can meet both environmental and economic goals.

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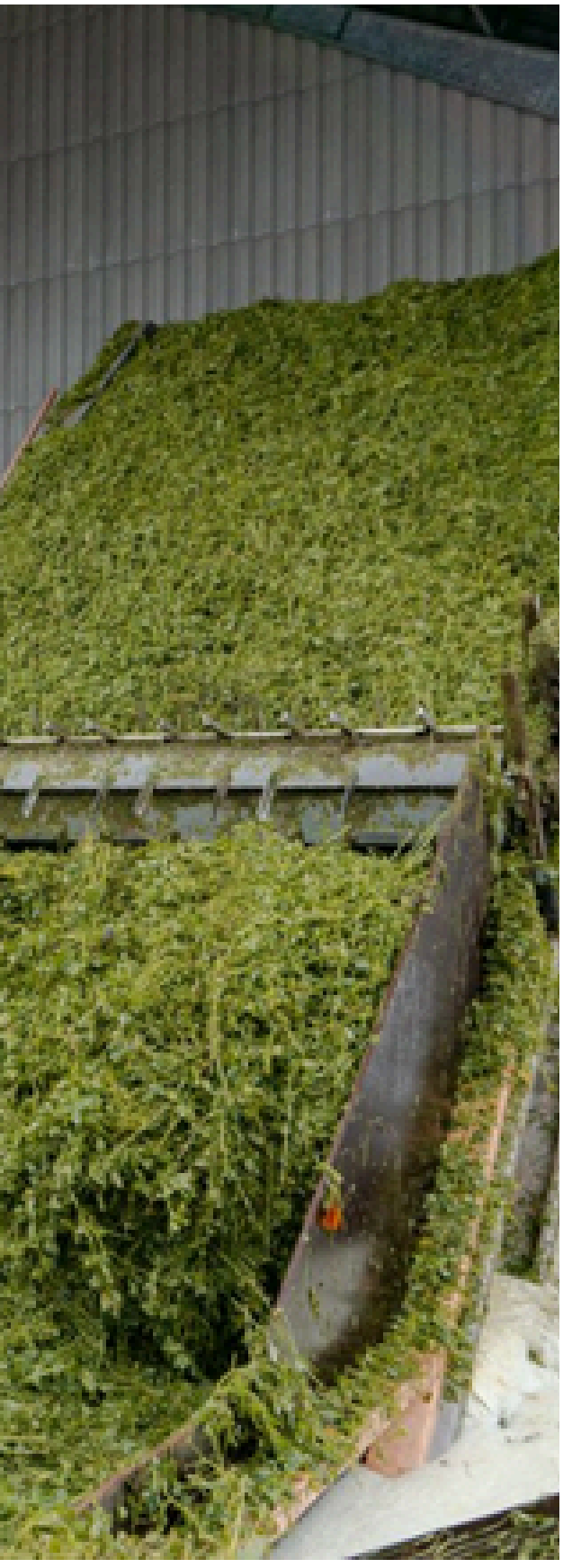

2. WHAT ARE WE TESTING?

🌱 Perennial crops & green manures across 10–20 farms

♻️ Local protein production through grass refining

🔁 Sustainable nutrient cycling using bio-based fertilisers

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3. EARLY INSIGHTS (YEAR 1)

🧠 Developed a dynamic impact model with farmers

🏛️ Engaged with ministries on a regulatory “sandbox”

📈 Growing interest in regional green innovation clusters

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4. WHAT IS NEXT?

📍 Hosting regional stakeholder workshops

🔍 Ongoing analysis of environmental and economic impacts

🤝 Building cross-sector collaboration around NBS

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5. WHY IT MATTERS?

🌍 The Limfjord catchment is highly vulnerable to nutrient pollution, impacting both water quality and biodiversity

🌱 NBS like perennial cropping and green biorefining can significantly reduce runoff, restore soils, and improve climate resilience.

💼 trans4num is also helping bridge farming with local green industry

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