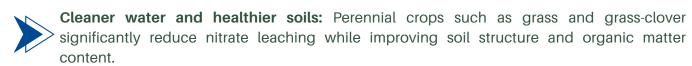
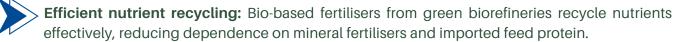
How can Nature-Based **Solutions (NBS)** support Danish farmers and the **Limfjord region**



Experiences from the Danish trans4num NBS site in the Limfjord catchment show that circular, nature-based approaches, such as perennial grass rotations, bio-based fertilisers, and nutrient-flow modelling, can help farmers meet strict nitrogen reduction targets while maintaining productivity.

Our field observations suggest several clear benefits:





Smarter nutrient management: Dynamic nutrient-flow models enable farmers to visualise nitrogen balances in real time, improving transparency and supporting adaptive management.

Collaborative policy innovation: Participatory testing within Denmark's Regulatory Sandbox ensures that environmental goals are met through cooperation rather than restrictive measures.

New economic opportunities: Farmers and cooperatives can benefit from growing biomass markets and emerging prospects in the green bioeconomy.

Stronger local cooperation: Dialogue platforms connecting farmers, industries, and regulators build trust and accelerate the uptake of sustainable practices.

National alignment: Together, these actions contribute to Denmark's Green Tripartite Agreement goals: cleaner water, lower emissions, and thriving rural economies.

Take-away message

Nature-based solutions enable Danish farmers to combine productivity with environmental responsibility. By linking green biorefining, flexible regulation, and farmer-driven innovation, the Limfjord region is showing how the transition to climate-resilient agriculture can work in practice.































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