

Perception of the impact of actions supporting the implementation of measures using NBS in agriculture

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Environmental
Social Science
Research Group

40. Óvári Tudományos Nap 12th November 2025 "Green Deal és az agrárium: fenntarthatóság vagy versenyelőny?"

Overview of the e-Delphi process

3 rounds between June 2024 - May 2025

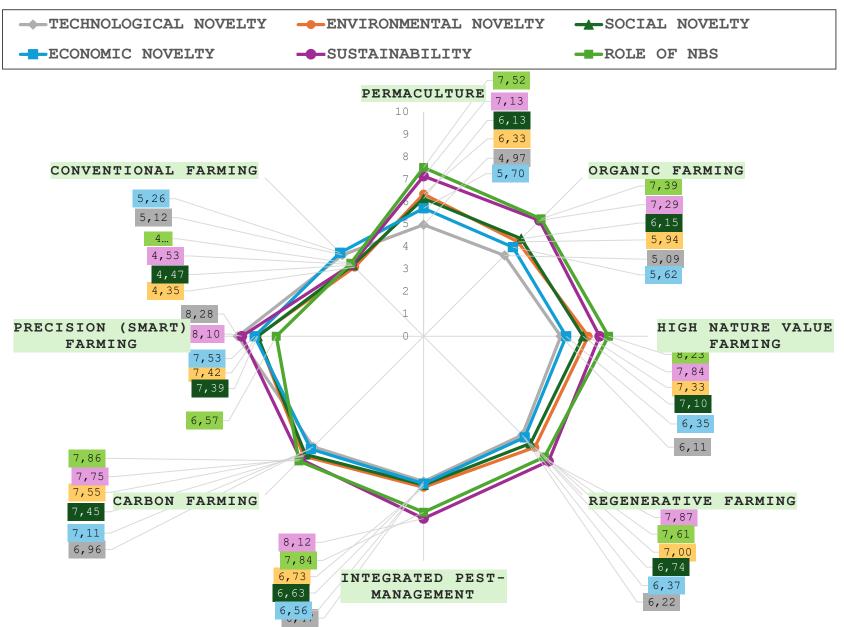
➤ Goal: Understand the role of NBS in sustainable nutrient management & its policy environment

➤ Participants: experts from academia, policy, and innovation across 25+ countries



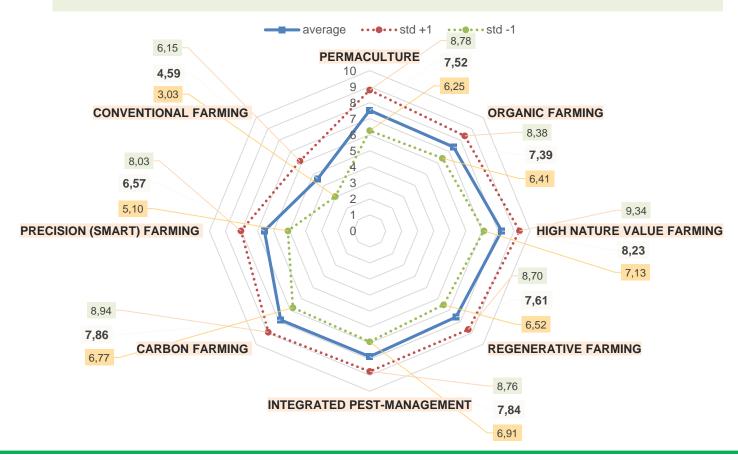
Round 1 – Framing innovations & practices

OVERVIEW OF THE RATING OF 8 FARMING METHODS FROM 6





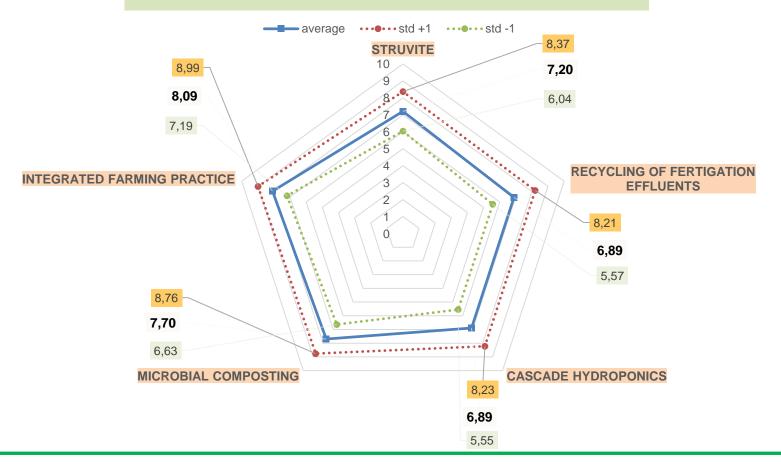
ROLE OF NBS IN 8 FARMING METHODS







ROLE OF NBS IN 5 INNOVATIONS





Round 2 – Policies, barriers & actors

- Focus: identify enabling & hindering factors for NBS uptake
- Most effective & feasible policies: trainings, field/farm days, regulatory measures, nutrient management plans
- Key barriers: financial & informational gaps, high initial costs
- Main actors: policymakers and researchers; limited role of SMEs & advisors



Round 3 – Goals & structure

Aim:

assess likelihood of adoption and potential for change of NBS-supporting actions

Two sections:

- (1) rate actions by adoption likelihood & impact,
- (2) evaluate statements to identify knowledge gaps

Builds directly on insights from R1–R2



Findings – Adoption potential

High-likelihood & high-impact actions

- Training programs and demonstration days
- Regulatory frameworks aligned with local needs
- Strengthening collaboration among key actors

Moderate adoption but high transformative potential:

Incentive schemes & partnerships

Low adoption likelihood:

complex multi-actor coordination measures





Findings – Knowledge gaps



Persistent confusion about NBS definition and scope



Limited data on costbenefit and performance monitoring



Weak integration between policy design and on-farm innovation



Need for context-specific, co-created guidelines





Cross-round synthesis

Round 1: NBS embedded in agroecological systems



Round 2: Training & regulation are key levers



 → Converging message: integration of learning, funding, and coordination across sectors.



Round 3: Capacitybuilding & conceptual clarity boost adoption





Policy recommendations



STRENGTHEN CO-LEARNING INFRASTRUCTURES (FIELD LABS, DEMONSTRATION FARMS)



ENSURE STABLE FUNDING & INCENTIVES FOR EARLY ADOPTERS



PROMOTE CROSS-SECTORAL COOPERATION (POLICY-SCIENCE-PRACTICE)



DEVELOP CLEAR NBS DEFINITIONS & MONITORING FRAMEWORKS



INTEGRATE SOCIAL AND CULTURAL ASPECTS INTO NBS POLICY DESIGN



