

The background of the slide is a dark, futuristic scene. A woman with reddish hair is shown in profile, interacting with a large, vertical digital screen. The screen displays various data visualizations, including a globe and circular charts. Above the screen, two glowing, wireframe butterflies are visible, one larger than the other. The overall atmosphere is high-tech and innovative, with a color palette dominated by dark blues, greens, and bright white highlights.

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Improving sustainability standards through cooperation – Innovators perspective

2nd meeting of the Forum on Best Practices in the Agri-Food Supply Chain

November 10th, 2022

**FUTURE
AT HEART**

- 1 Introduce the The EU Carbon+ Farming Coalition**
- 2 Share main coalition findings**
- 3 Discussion**

THE EU CARBON+ FARMING COALITION

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The 14 coalition partners set out to identify the challenges farmers face when it comes to the adoption and scale-up of climate-smart farming practices



Coalition coordinator



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In consultation with



Survey results¹ and an analysis of relevant EU policy have pointed us towards pain points from across five main areas

The large-scale adoption of climate-smart practices is inhibited by pain points across:



- Today's focus:
- Precision farming: adoption and barriers
 - Measurement and reporting
 - Impact of farmer's age

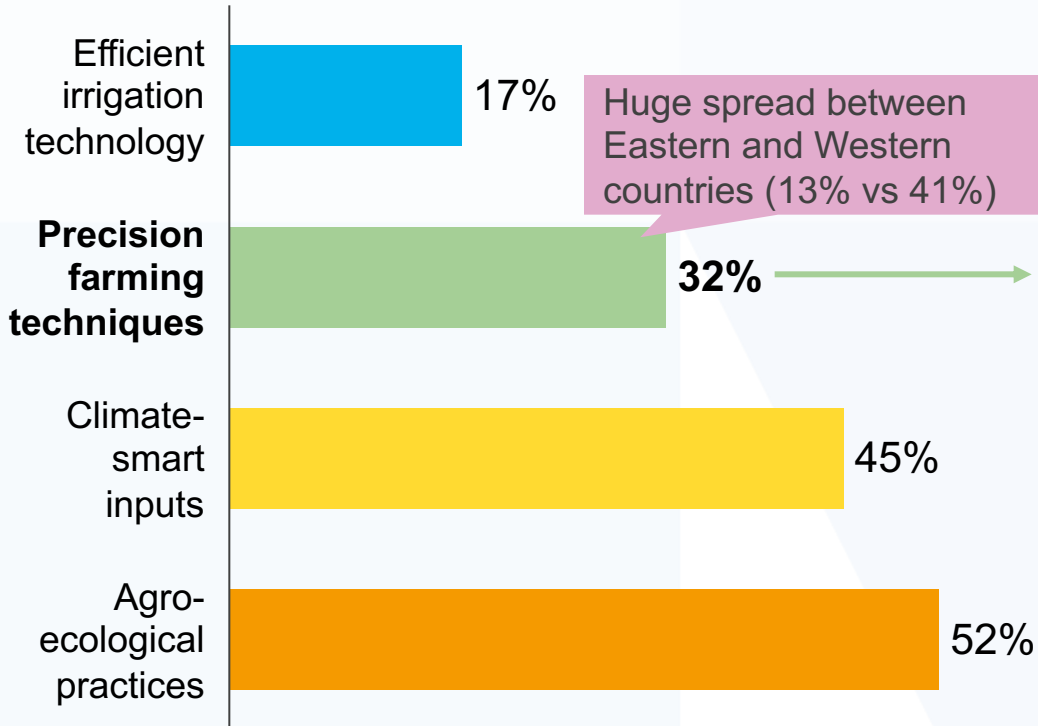


This is an extract of the EU Carbon+ Farming Coalition final report published on April 4th by the World Economic Forum detailing the Coalition's work: ***Transforming Food Systems with Farmers: A Pathway for the EU***

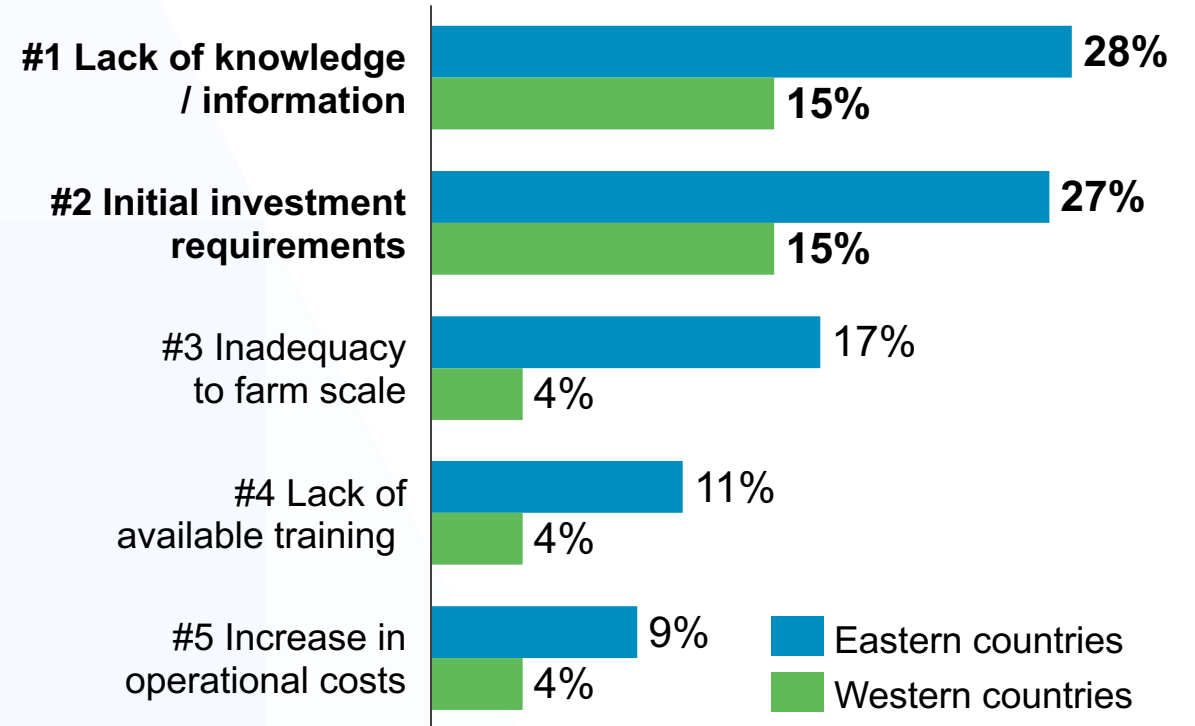
(1) The results reflect the views of 1.600 farmers across the following 10 crop-country-combinations: France – Wheat & Corn, Germany – Wheat and Potato, Netherlands – Potato, Poland – Apple and Carrot, Romania – Corn, Italy – Tomato, Spain – Carrot

Tech-enabled climate-smart practices have lower adoption levels due to limited farmer knowledge and high initial investment requirements

Average adoption rate of climate-smart practices by category



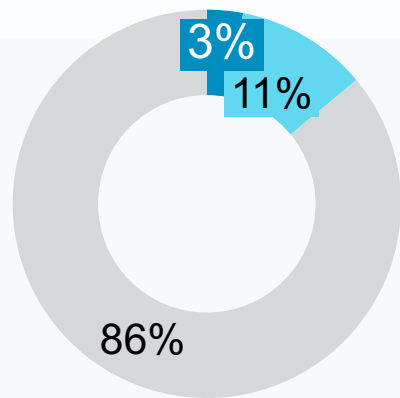
Stated barriers to the adoption of precision farming techniques (Top 5)



There is a significant gap in terms of adoption of measurement practices in all countries (e.g., SOC⁰) and reporting technologies in some countries

Measuring of soil organic carbon¹

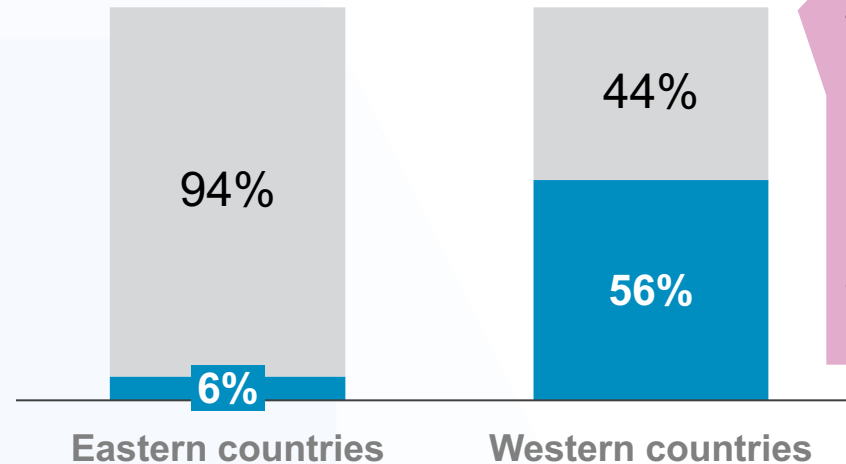
- Measuring
- Planning to measure
- Not measuring



Key for participation in carbon farming projects and other ecosystem services new business models

Adoption of digital farm management tools²

- No adoption
- Adoption



Critical for compliance with future requirements (e.g., Sustainable Use of Pesticides Regulation), and general traceability requirements

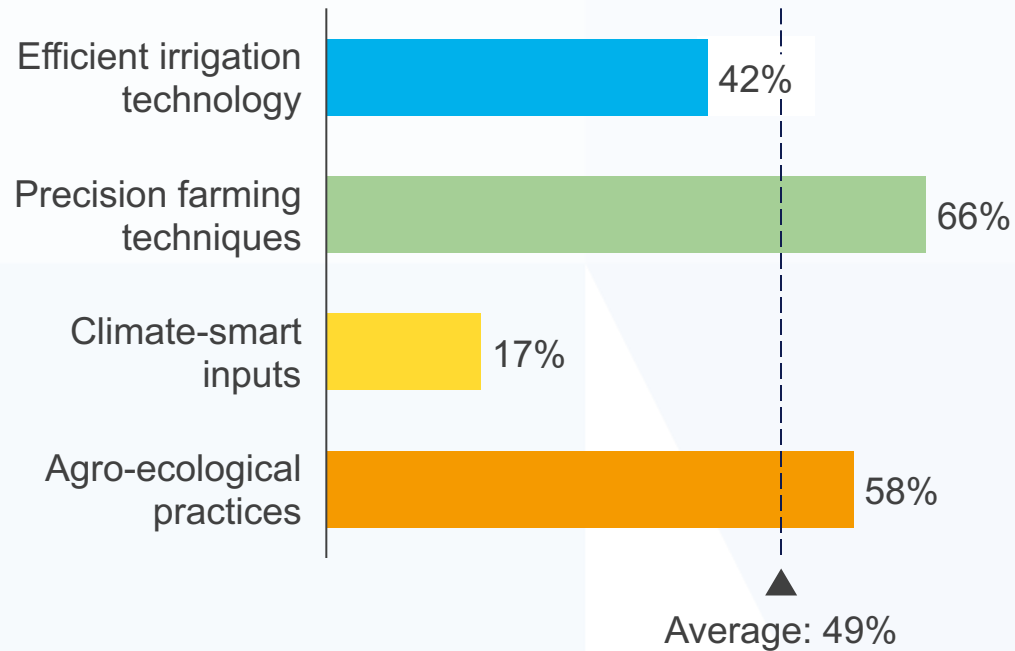
⁰ Soil Organic Carbon

¹ Source: Qualitative Surveys conducted in Poland (Carrot and Apple), Germany (Potato and Wheat), France (Corn and Wheat), Spain (Carrot), Italy (Tomato), and Romania (Corn) – 59 farmers

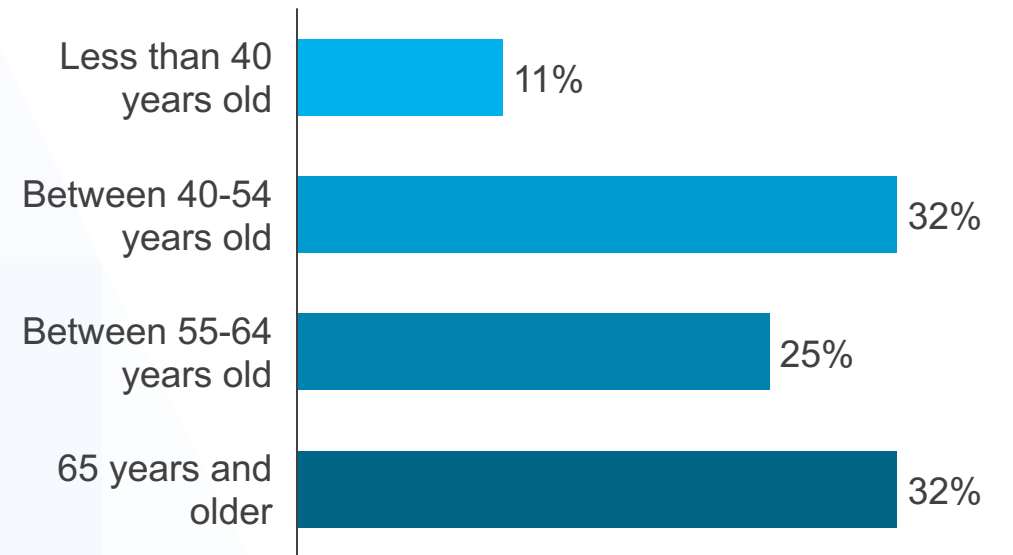
² Source: Quantitative Surveys conducted in Romania (Corn), Poland (Apple, Carrot) Germany (Potato, Wheat+OSR), Netherlands (Potato), France (Grain corn, Silage corn, Wheat+OSR) and Italy (Tomato)

Young farmers tend to be more willing to adopt climate smart practices than older farmers, but they still represent a minority of the overall collective

Increase in practice adoption of farmers younger than 36 vs. older than 51 years old



Age of EU farm managers, 2016¹



¹ Eurostat

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Thank you!

