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"Towards a holistic approach to Sustainable Risk management in agriculture" Sus-Risk



Policy Brief: factors affecting risk management choices

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ABSTRACT FOR POLICY BRIEF

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D3.5 Factors affecting risk management choices

Background. Farmers make decisions in a context of uncertainty, depending on many factors such as extreme weather and climate events, diseases and pests, policy and market changes (lyer et al., 2020). Uncertainty and risk constrain the rationality of their decisions.

Topic. The literature highlights the importance of several factors in influencing farmers' risk management (RM) decisions, such as behavioural factors (e.g. attitudes towards risk and uncertainty, time preferences, loss aversion), risk perceptions, personality traits (e.g. self-efficacy, locus of control), subjective probabilities, trust, etc (Giampietri et al., 2020; Wuepper et al., 2023).

Objectives. This policy brief aims to investigate the determinants of farmers' choices about adopting available or innovative RM tools at the farm level such as index-based insurance instruments and mutual funds.

Main findings. In order to provide a comprehensive analysis of the impact of the relevant determinants, the analysis focuses on the simultaneous effect of relevant factors using a framework that is rarely employed in this line of research, namely the Unified Theory of Acceptance and Use of Technology (UTAUT) proposed by Venkatesh et al. (2003). Another noteworthy innovation is the combination of primary data collected on large samples with secondary data from the FADN and ISTAT.

Policy implications. The results provide important contributions to the advancement of risk management research. Moreover, they can assist insurance companies and other risk management

stakeholders and policy makers in the development of more tailored RM tools that align with the needs of farmers and provide them with key insights on how to encourage farmers to use RM tools.

References

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