



SUSTAINABLE
RESILIENT
EU FARMING
SYSTEMS

Policy brief on farmer adaptive behaviour and risk management in EU agriculture

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[Policy brief link](#)



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POLITÉCNICA

Key points to better support risk management in European Agriculture



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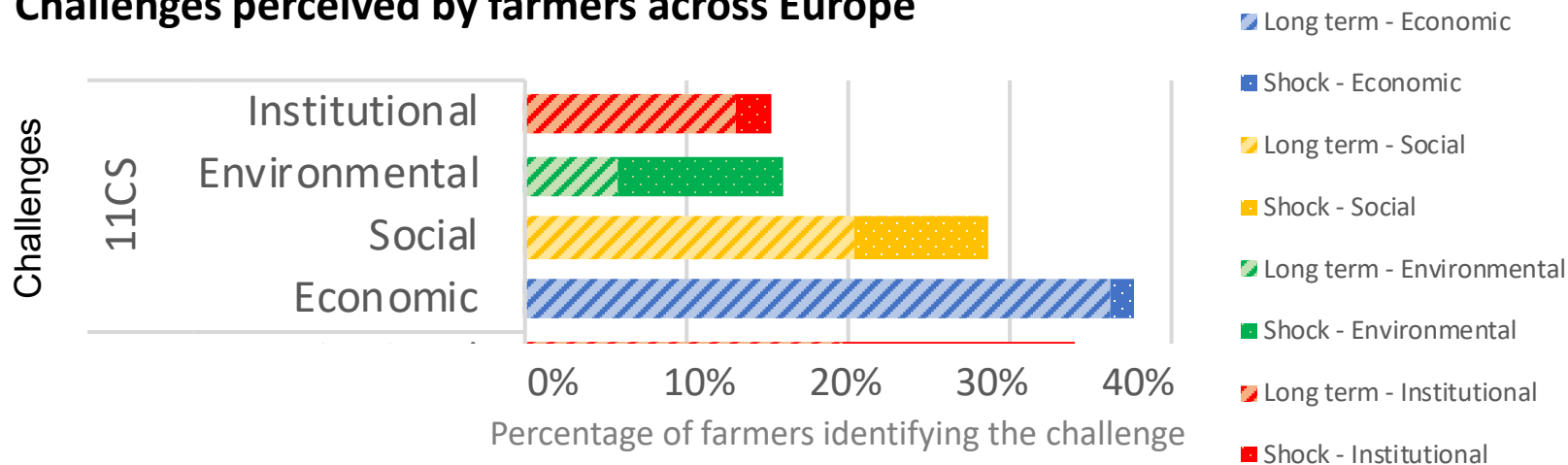
1

Farmers perceive a wide variety of challenges affecting farms.



Not only shocks but also long-term pressures

Challenges perceived by farmers across Europe



Source: Own elaboration based on 1,152 farmers' survey in 11 case study regions across Europe

References:

[Spiegel et al. \(2020\). Risk Management and its Role in Enhancing Perceived Resilience Capacities of Farms and Farming Systems in Europe. EuroChoices, 19: 45-53.](#)

[Coopmans et al. \(2019\). Report on analysis of biographical narratives exploring short- and longterm adaptive behaviour of farmers under various challenges.](#)



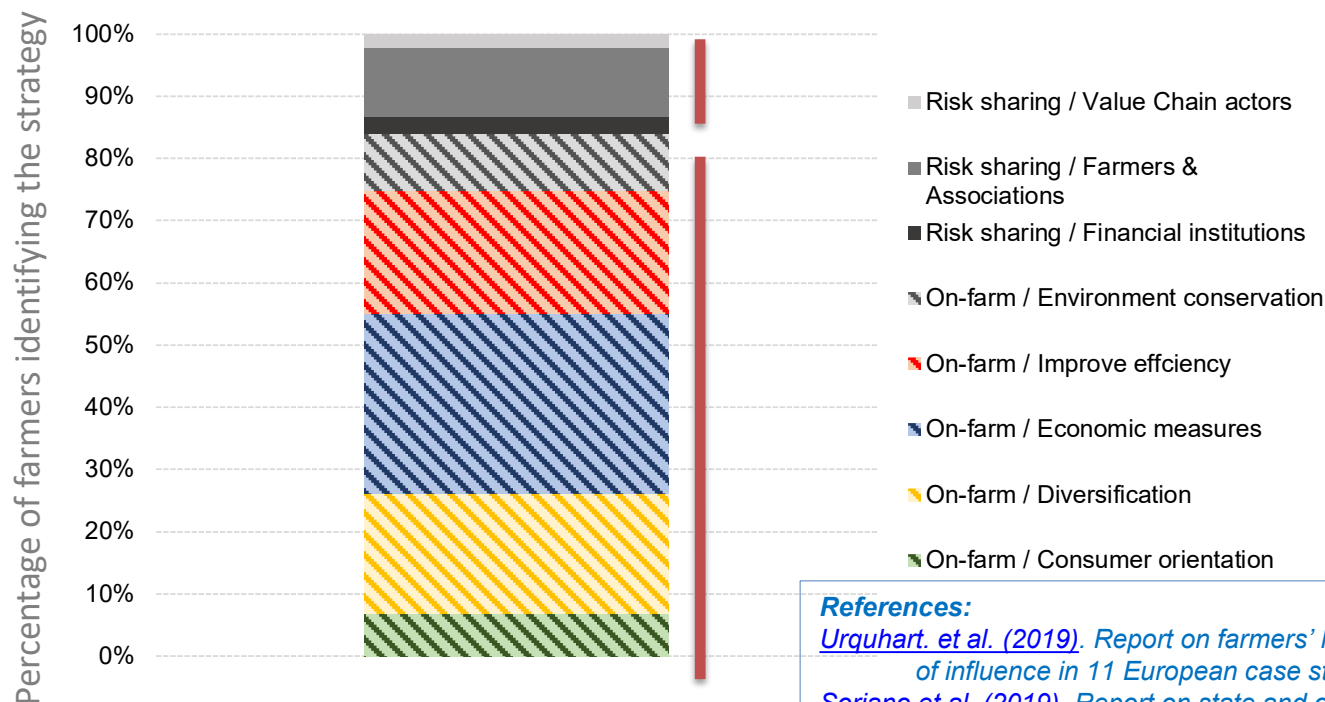
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2 There are many different strategies to deal with challenges

➡ **Risk sharing strategies are also relevant. The role of learning and cooperation**

Strategies implemented by farmers across Europe



References:

[Urquhart. et al. \(2019\). Report on farmers' learning capacity and networks of influence in 11 European case studies.](#)

[Soriano et al. \(2019\). Report on state and outlook for risk management in EU agriculture](#)

[Vigani et al. \(2021\) Drivers of EU regions expenditure on the Risk Management Toolkit of the CAP](#)

Source: Own elaboration based on 1,152 farmers' surveys in 11 case study regions across Europe



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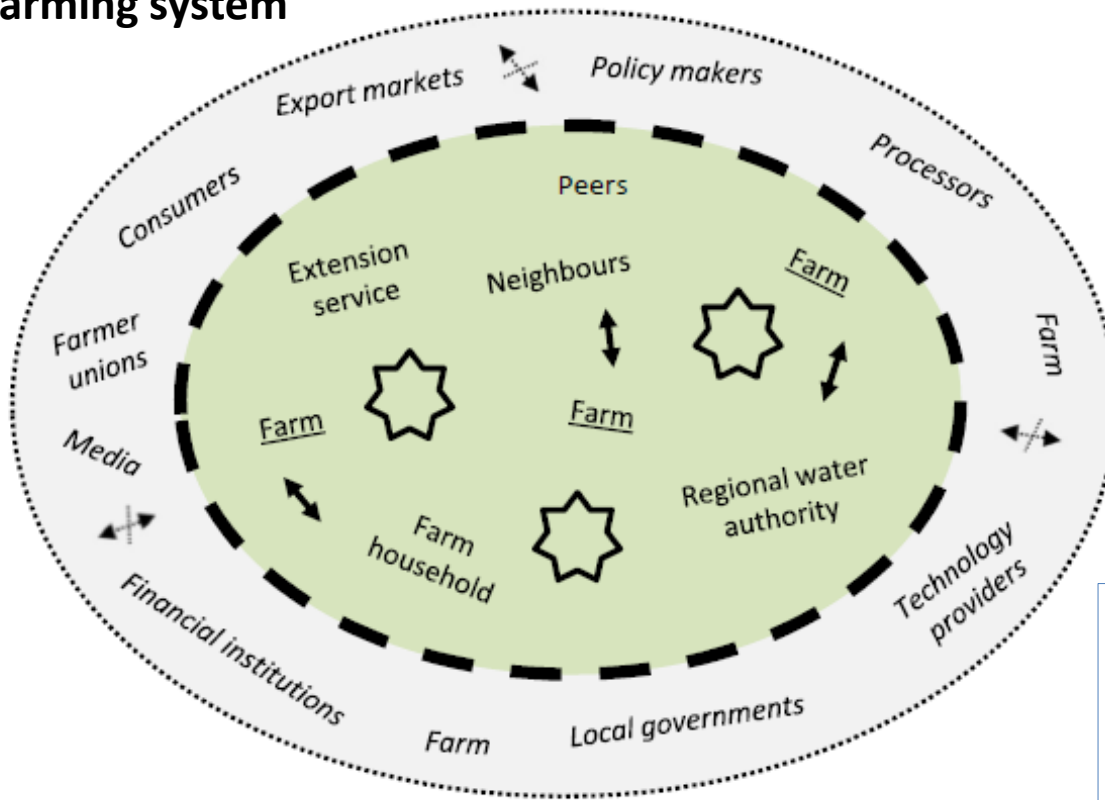
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3 Many actors are involved in risk management strategies implementation

➡ **Strategies go beyond the level of the individual farmers**

Farming system



References:

[Meuwissen et al., \(2019\)](#). A framework to assess the resilience of farming systems, *Agricultural Systems*, Volume 176.

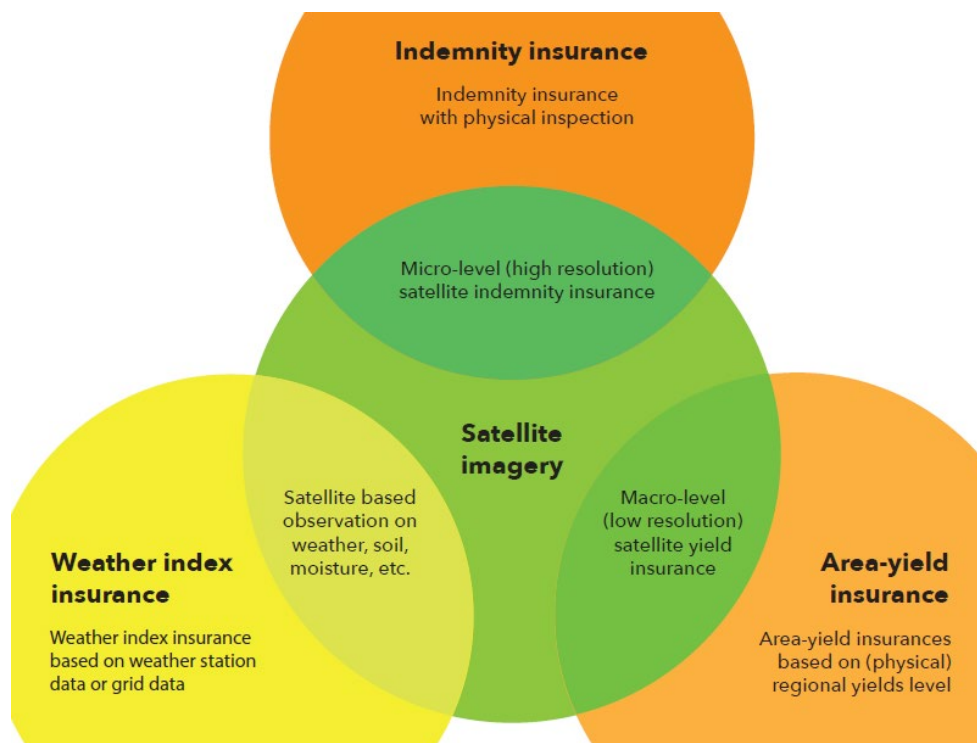
[Soriano et al., \(2019\)](#) Business Brief on opportunities for improved risk management for EU agriculture

Source: Meuwissen et al. (2019)

4 Opportunities for novel risk management approaches are available.



Take full advantage of the rapid technological progress



Source: Vroege, et al. (2019)

References:

Vroege, W., Vrieling, A., Finger, R. (2021). Satellite support to insure farmers against extreme droughts. *Nature Food*. In Press

Vroege, W., Bucheli, J., Dalhaus, T., Hirschi, M., Finger, R. (2021). Insuring crops from space: The potential of satellite retrieved soil moisture to reduce farmers' drought risk exposure. *European Review of Agricultural Economics*. In Press.

[Vroege, W., Finger, R. \(2020\) Insuring Weather Risks in European Agriculture. *EuroChoices* 19\(2\): 54-62.](#)

Policy recommendations



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Policy recommendations

1. Policies shall support the **diversity** of risk management strategies across Europe.
2. Policies need to enable **long term** strategies to deal with long term pressures
3. **Learning and sharing of risks strategies** shall be strengthened.
4. **Holistic approach**: Coordinated policies shall follow a **multi-actor** approach targeting beyond the farmer.
5. Policies shall enable that a wide and diverse set of **innovative insurance** solutions can develop.





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