

Appraisal of adaptation strategies to reduce vulnerability to climate change of maize farming systems: farmers' viewpoint

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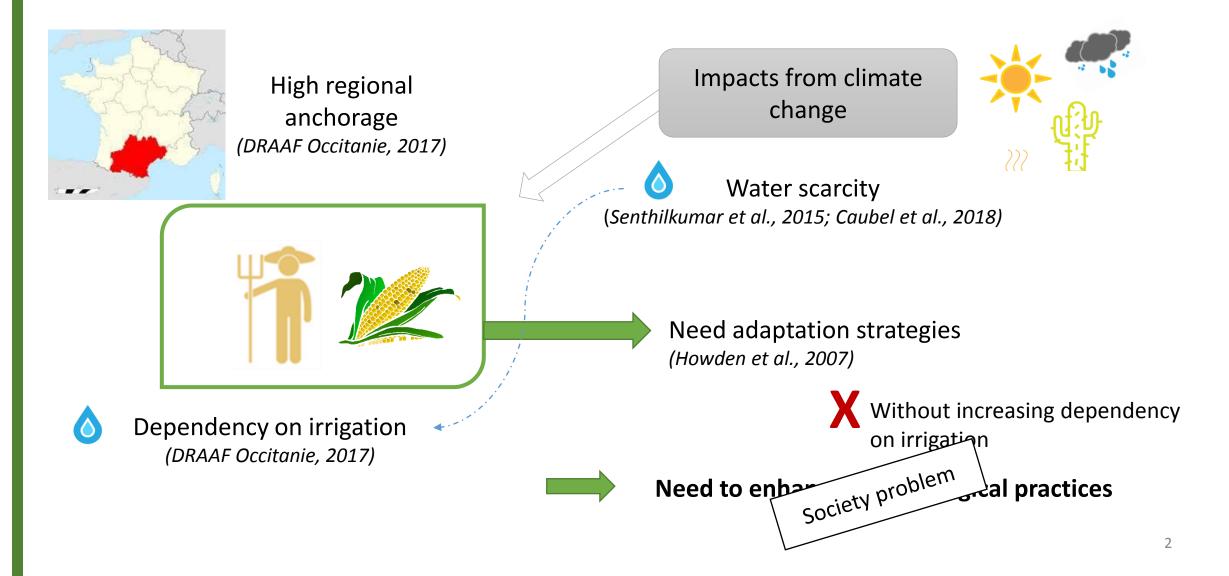




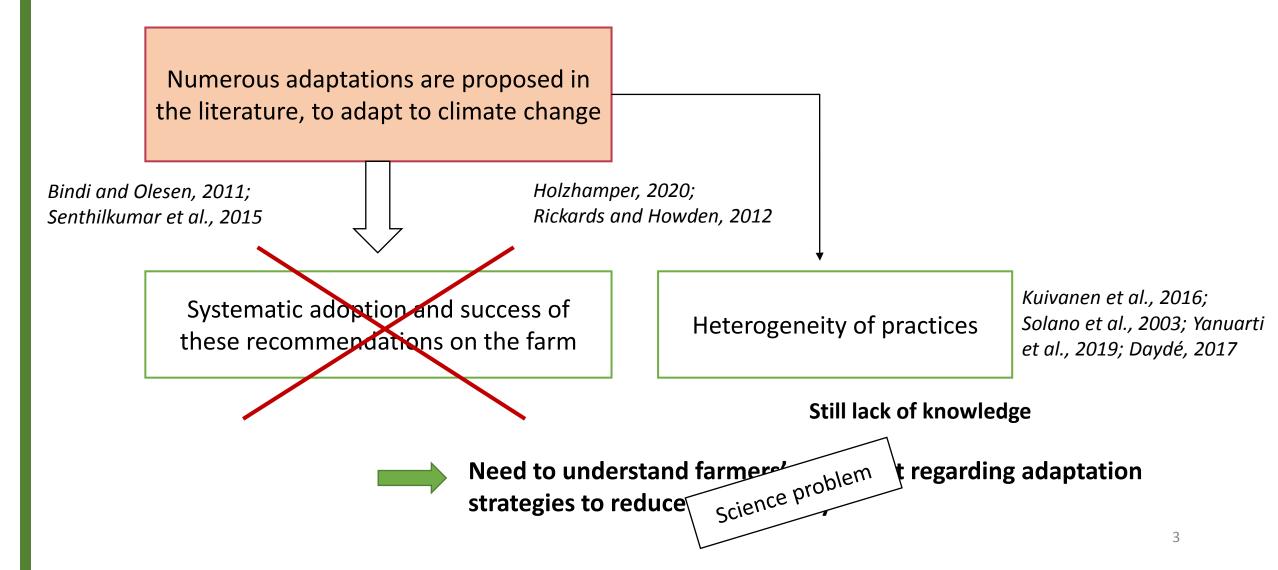
VACCARM !

Introduction

Maize farms in Southwestern France



State of the art on adoption of practices



A two stages methodology

 \rightarrow Surveys in irrigated maize farming systems in SW France

1. Qualitative stage

- Expert farmers
- Elicitation of adaptation strategies

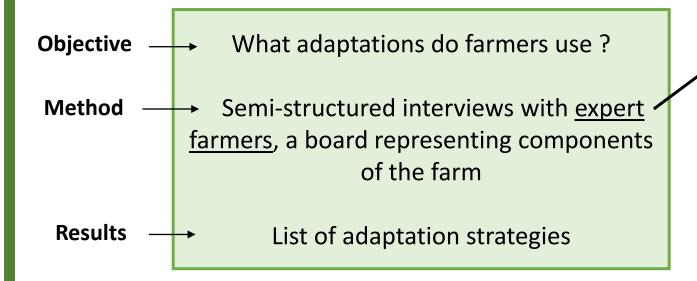




- Non-expert farmers
- Factors influencing choice of adaptation strategies

Qualitative stage - Quan

1. Qualitative approach



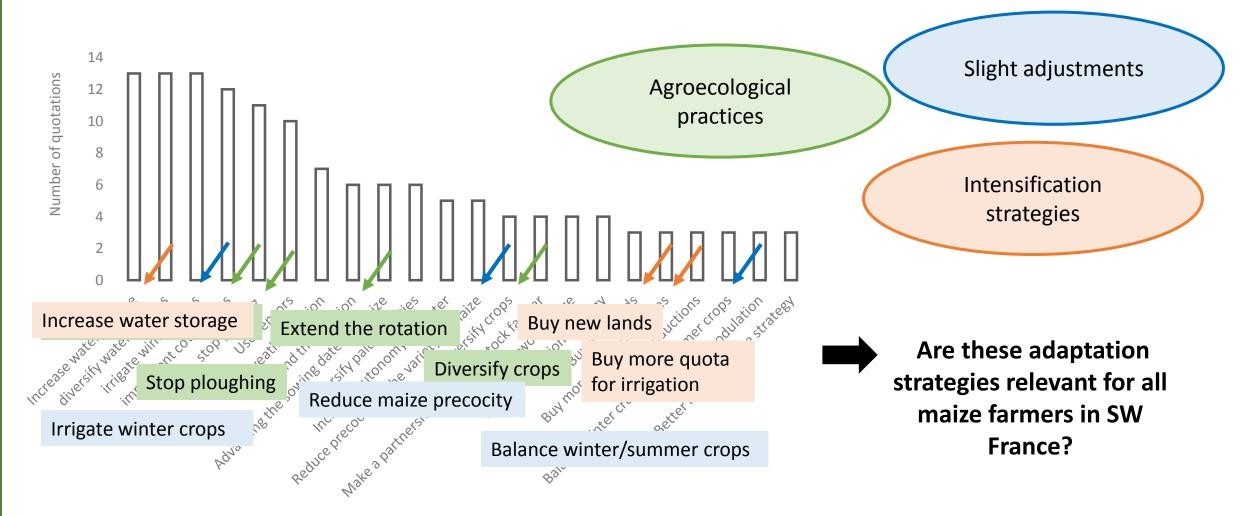
Farmers with awareness about

 climate change and agroecological practices



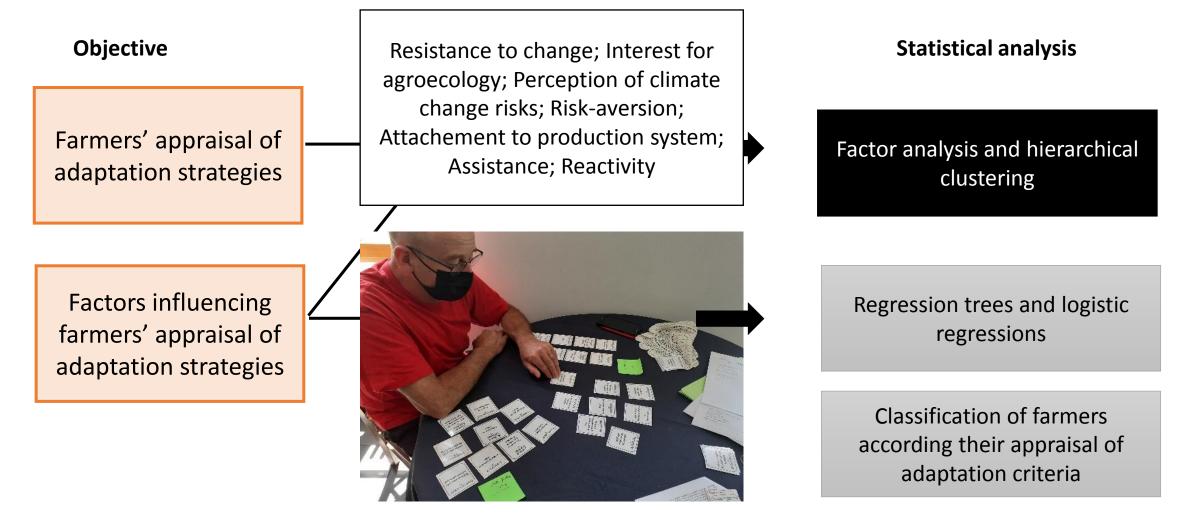
Qualitative stage

A diversity of adaptations



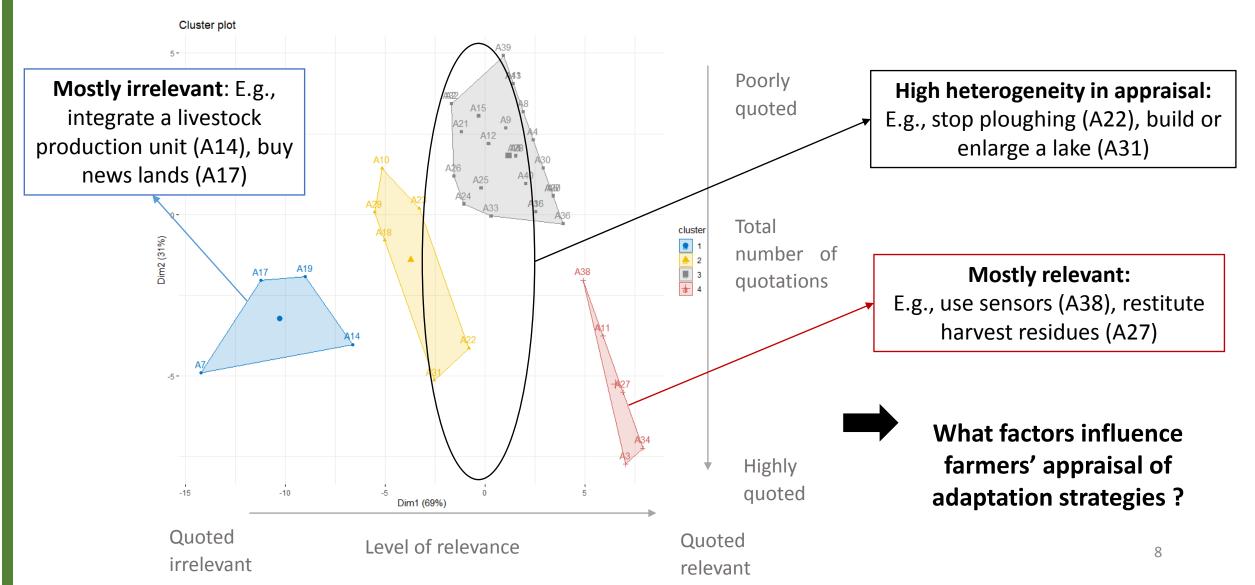
Quantitative stage - Discussion -- Conclusi

2. Quantitative approach



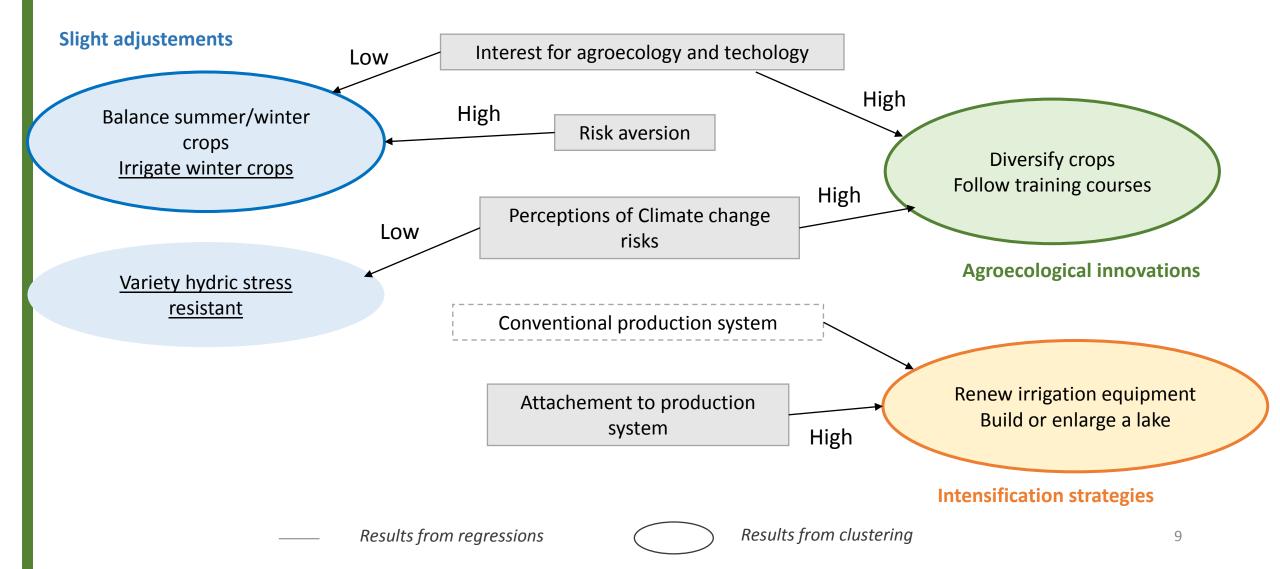
Quantitative stage - Discussion - Conclusio

Farmers' viewpoint differs regarding adaptations

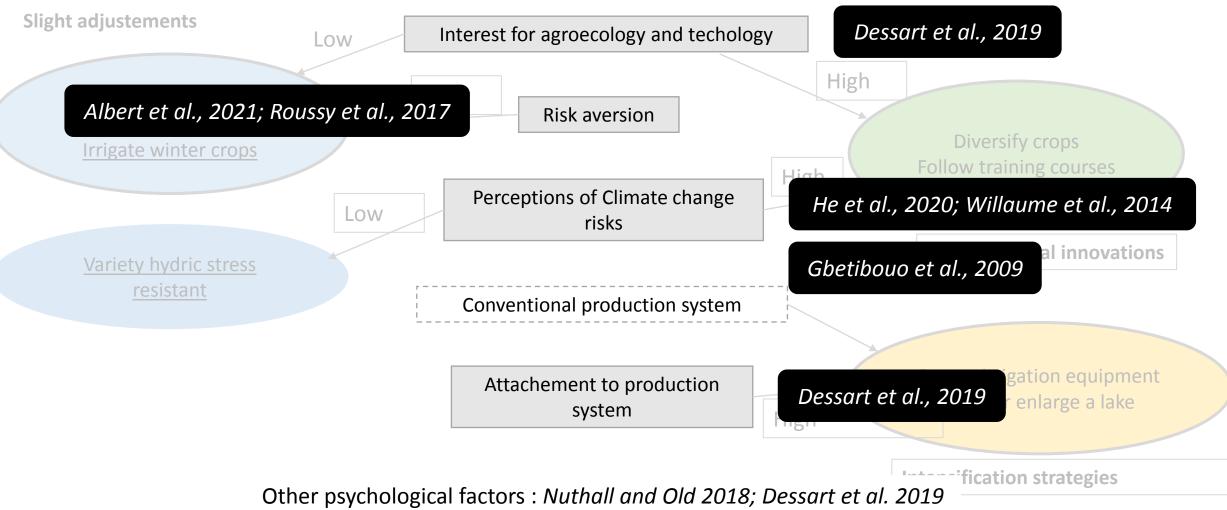


Quantitative stage - Discussion - Conclusio

Psychological factors explain farmers' appraisal



Psychological factors influence adaptation



roduction – Qualitative stage – Quantitative stage - Discussion – Conclusion

Implication for science and society

Choice of adaptation strategies is driven by farmer's psychological profile

Farmers' viewpoint differs regarding relevance of adaptations because of their psychological factors

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The need to rethink advising and support strategies for farmers \rightarrow more individual advising

Adoption of agroecological practices is influenced by interest for agroecology and perceptions of climate change risks

Public policies and agricultural advising could enhance agroecology through specific awareness and training campaigns

Thank you for your attention

Thanks to Pierre Busson who participated actively in this study as a trainee

Psychological factors influence adaptation

