

What works to promote cacao as an intercrop? – Findings from segmentation study of coconut farmers in Davao Oriental, the Philippines.

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Importance

- Targeting the right early adopters of cacao intercropping systems to reduce investment costs.
- Applicable to other cacao intercropping systems.

Methodology

- 425 medium and smallholder farmers participated in the study.
- Random Forest model informed 30 most important variables to classify cacao adopters and non-adopters.
- 3 clusters of farmers were identified from clustering analysis.

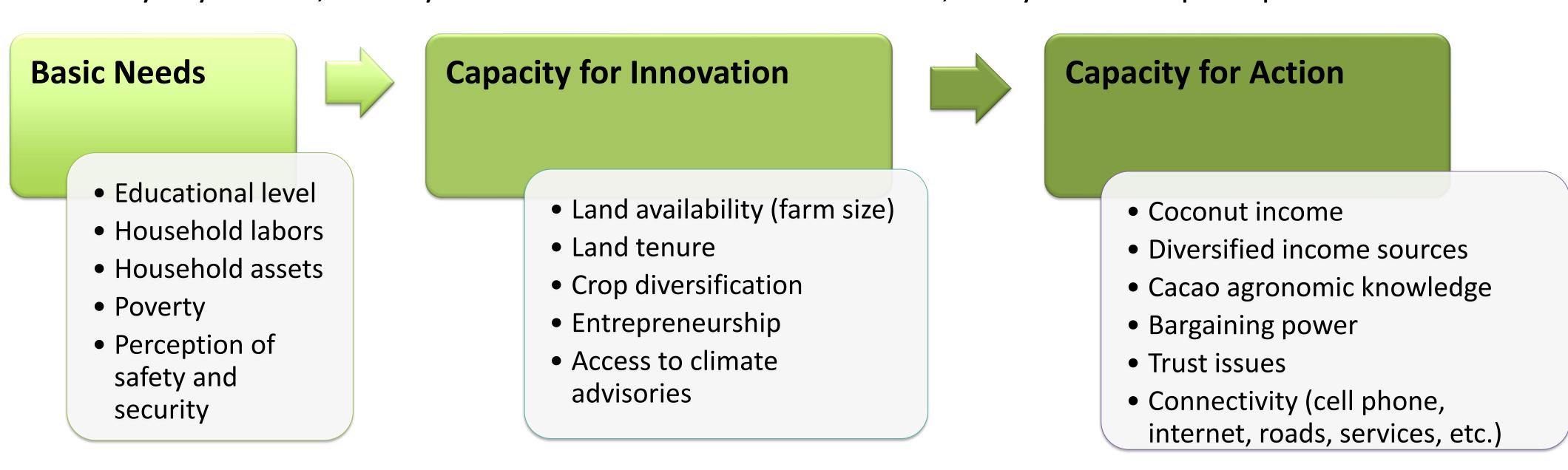
Background

> Cacao consumption demand; < Land availability Climate-friendly & zero-deforestation international commitments Past cacao intercropping initiatives in Davao Oriental were not successful

Need low-emission cacao expansion strategies, incorporated with lessons learned & study on farmer acceptance

Hypothesis

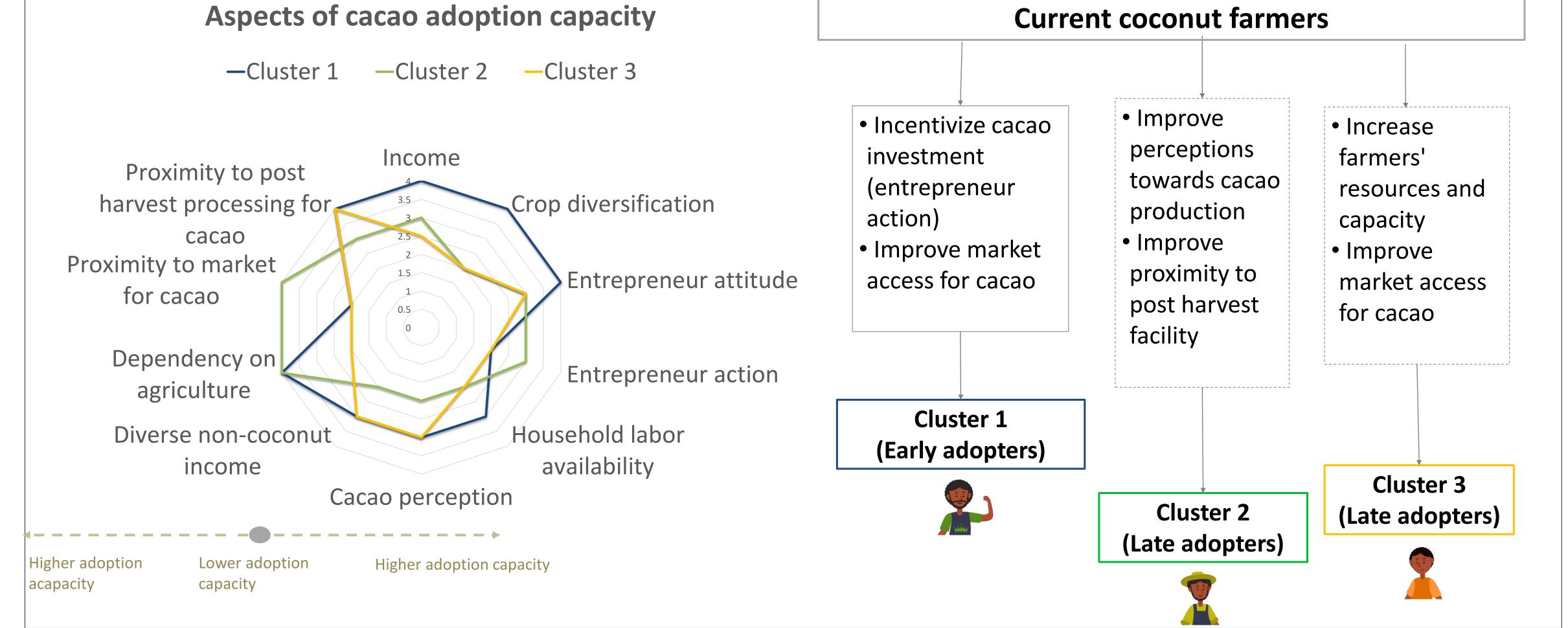
Certain factors will be positively related to the household's acceptance of new practices **Aim**: identify key factors, classify farmers based on these conditions, analyse farmer perception



Results

Key factors driving coconut farmer's decision to adopt cacao

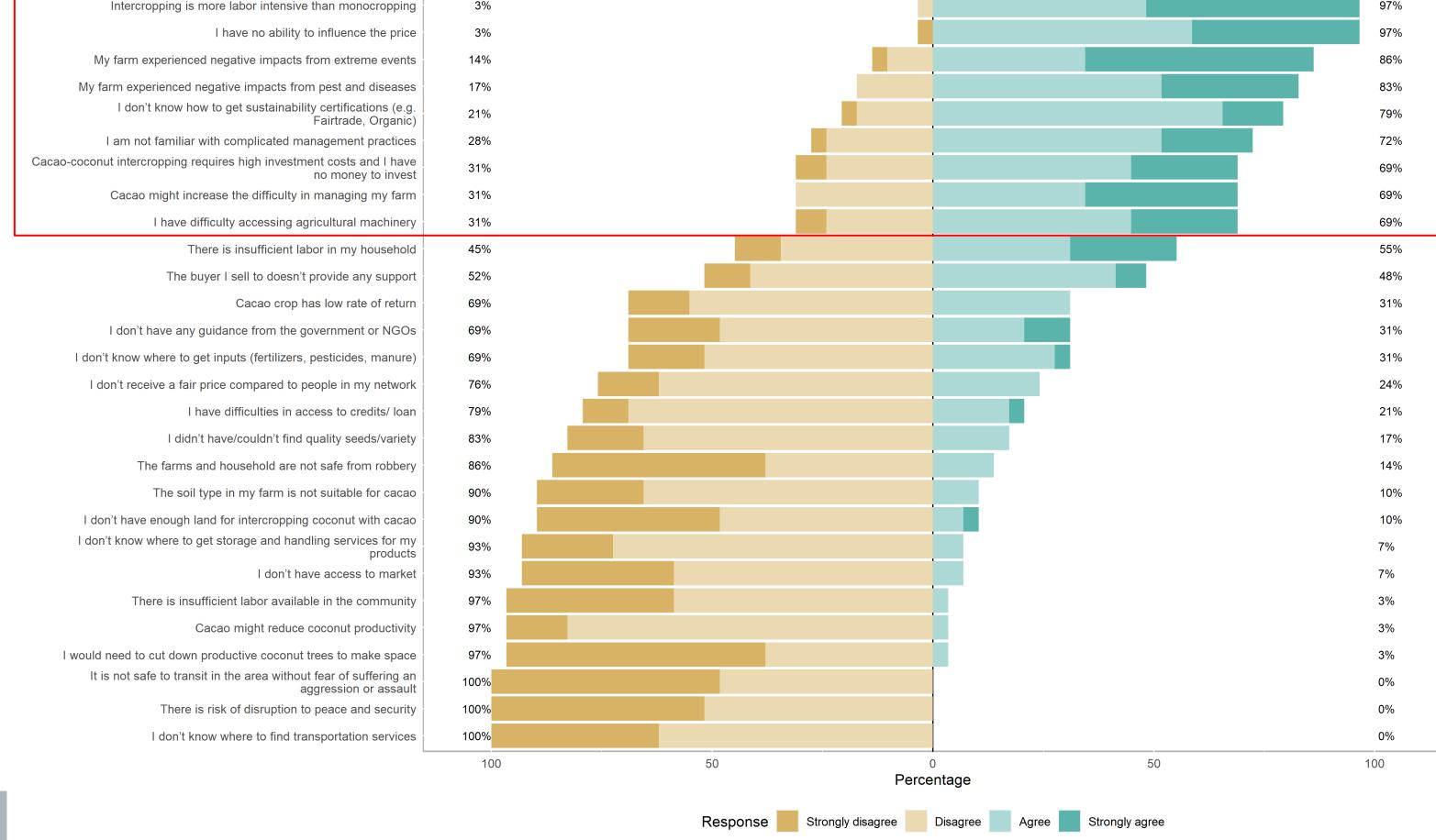
- Farm already had other crops, esp. banana.
- Larger land proportions were given to other crops.
- Positive farmer perception towards cacao.



Enablers: cacao income; access to the market, post-harvesting services

Barriers: labours intensive; lack cacao knowledge; climate risks, pests and diseases





Conclusion

- Start with coconut farms + banana.
- Land size > 2.5 ha with land title.
- Increased farmers' access to post-harvesting facilities.
- Incentives for farmers improve labor resources, increase knowledge of cacao production and manage risks.