

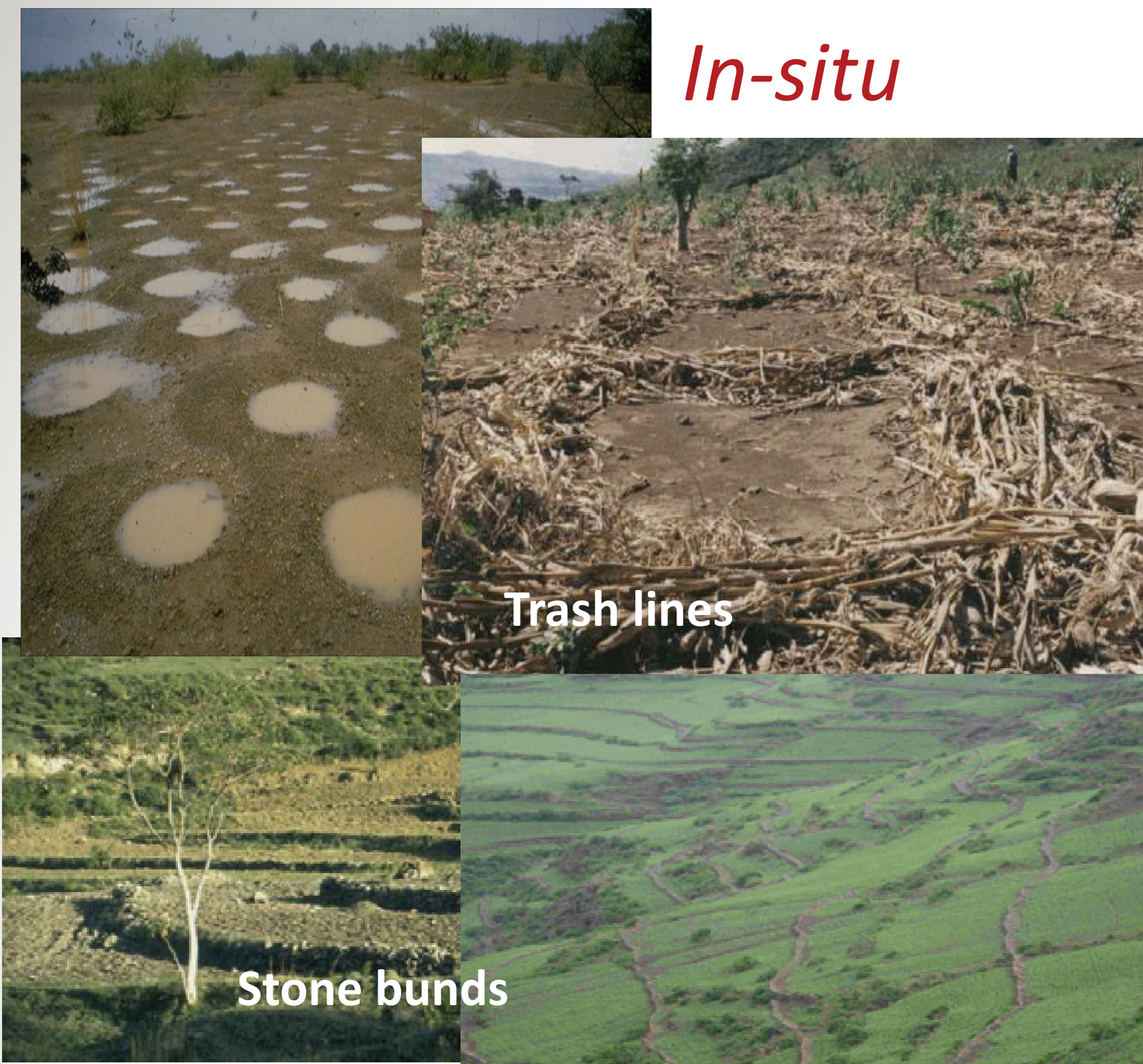
Poverty Impacts of Agricultural Water Management Technologies in Ethiopia

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Introduction

Massive investment in low cost AWM technologies but their poverty impact remain hardly understood.

The objectives of this study are: whether access to selected AWM technologies leads to significant reduction in poverty and identify which technologies have higher impacts on poverty.

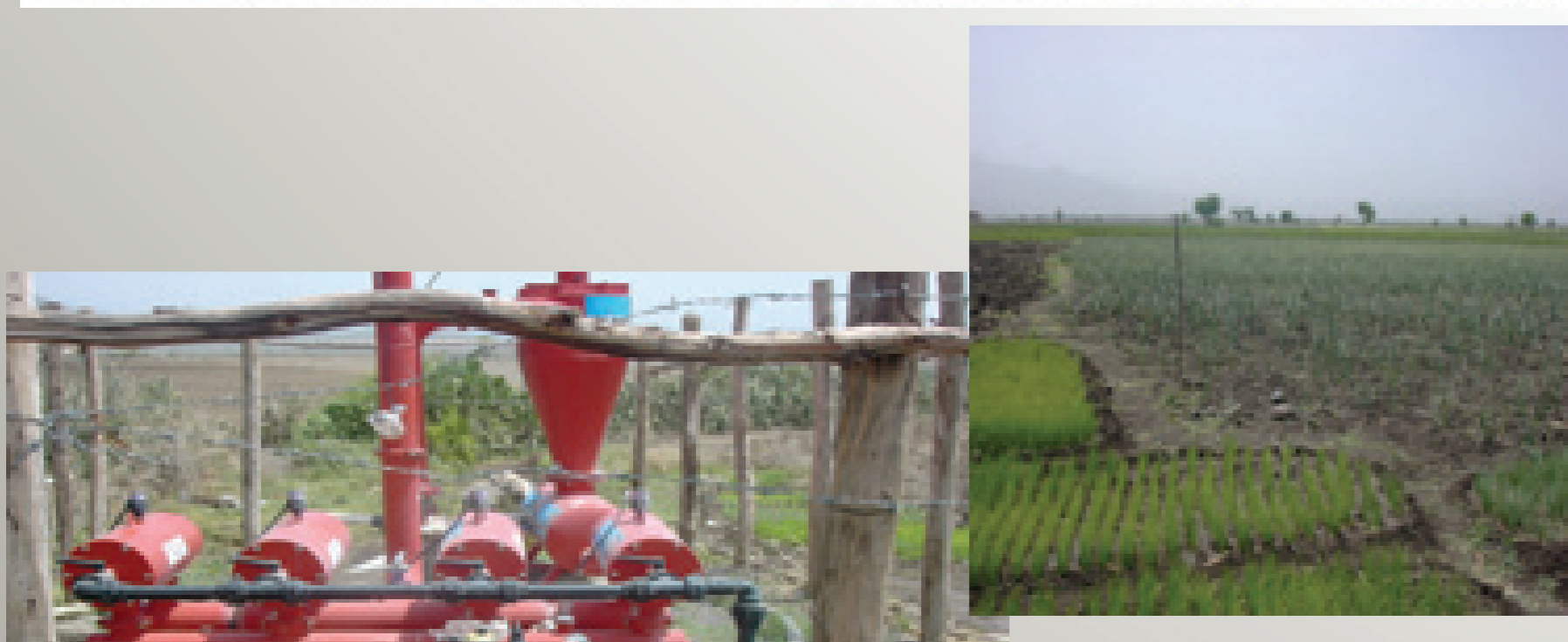


Ex-situ



Study methodology Propensity score matching

RWH pond +treadle pump + storage drum
+ drip kit: Awash valley



River diversion + canal +
furrow/flood: Ribb river, Blue Nile

Conclusions

- ATT is significant and led to an increase in household income - ca.ETB 670/ household.
- 22% less poverty among users compared to non-users of AWM technologies.
- Poverty reduction is technology specific.
- Use of modern water withdrawal technologies have significant effect on poverty reduction.
- Poverty orderings between users and non-users are statistically robust.