

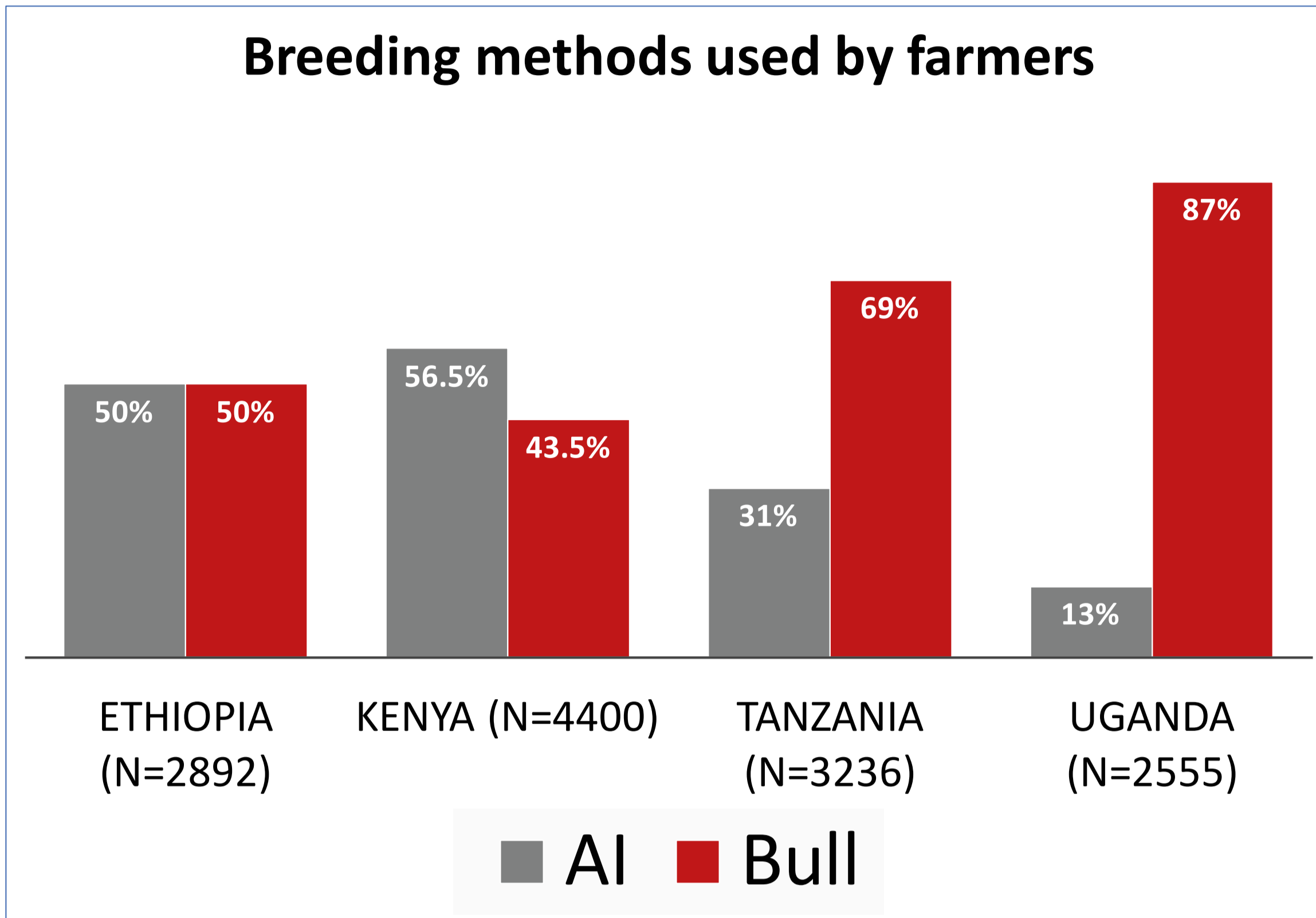
Multi-country investigation of factors influencing breeding decisions by smallholder dairy farmers in Sub-Saharan Africa

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Breeding methods used by farmers



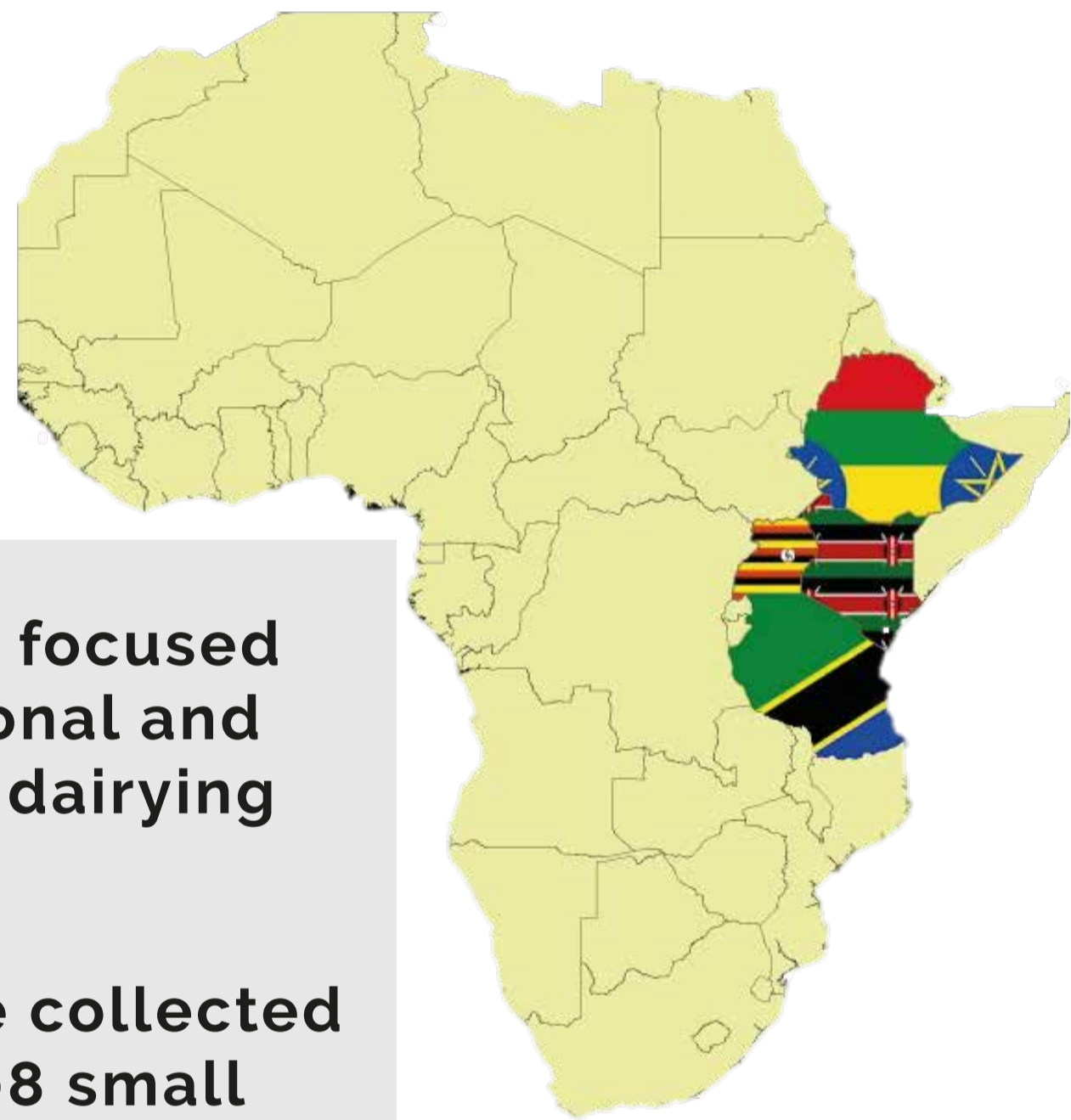
Introduction

Artificial insemination (AI) and selective bull mating are experiencing low adoption rates especially in Sub-Saharan Africa (SSA) owing to various structural and technical challenges.

Objectives

1. Determine and characterize factors that influence smallholder dairy farmers in Sub-Saharan Africa to choose between AI or Bull
2. Investigate, the relationships between the breeding choices and the bio-physical elements of dairy farming

Study sites



- The study focused on traditional and emerging dairying zones
- Data were collected from 16308 small holders farmers

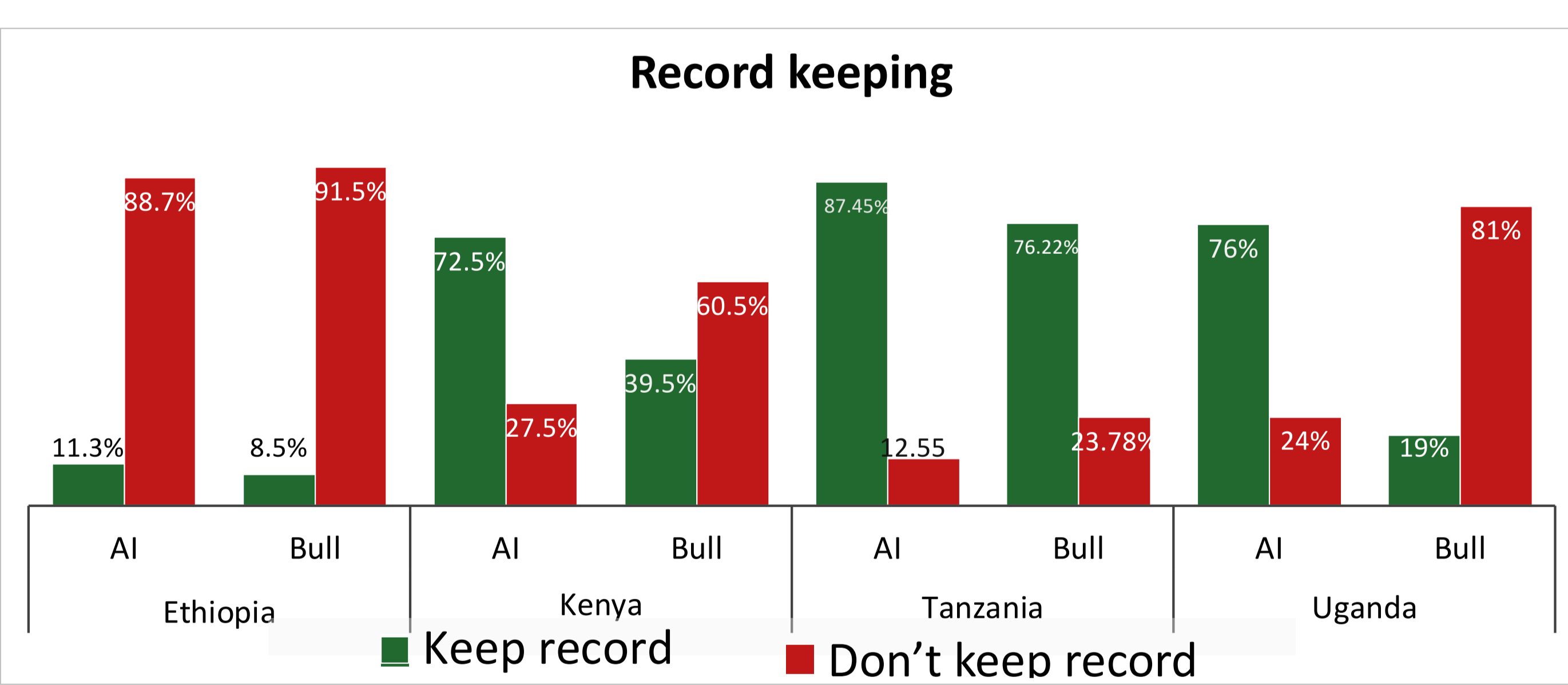


Factors Effecting AI Adoption

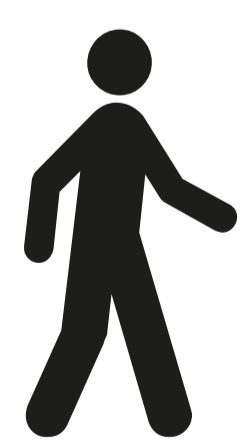
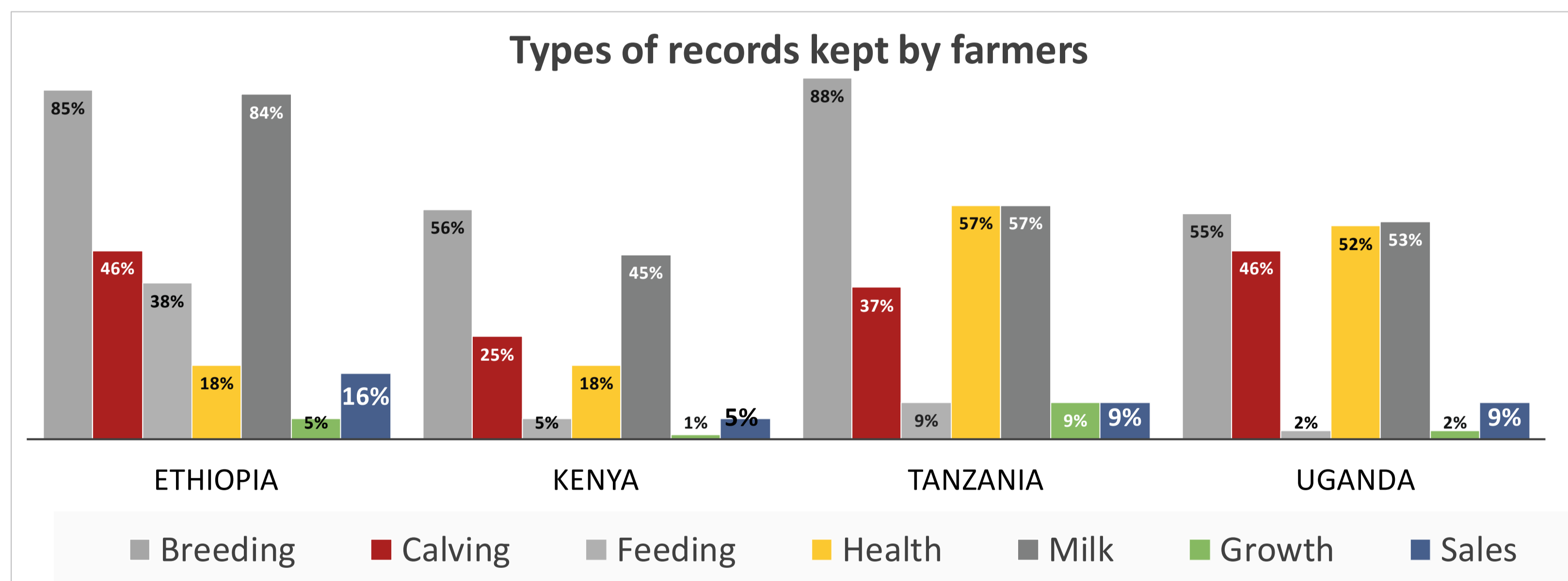
- Costs for buying animal feeds and water
- Lack of good AI infrastructures
- Farmers activities: growing crops

Farmers Characteristics

Record keeping



Types of records kept by farmers



Farmers using AI walk long distance to access water



Farmers using AI prefer stall feeding over grazing

Conclusion

1. Improve supportive infrastructure such as water accessibility, provision of appropriate animal feed and animal health service,
2. Maintaining good infrastructure for influencing farmers to adopt the best farm management practices.



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