





# Does land demarcation affect improved seed uptake? Evidence from farmers' mental models in eastern Uganda

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### **Notivation**

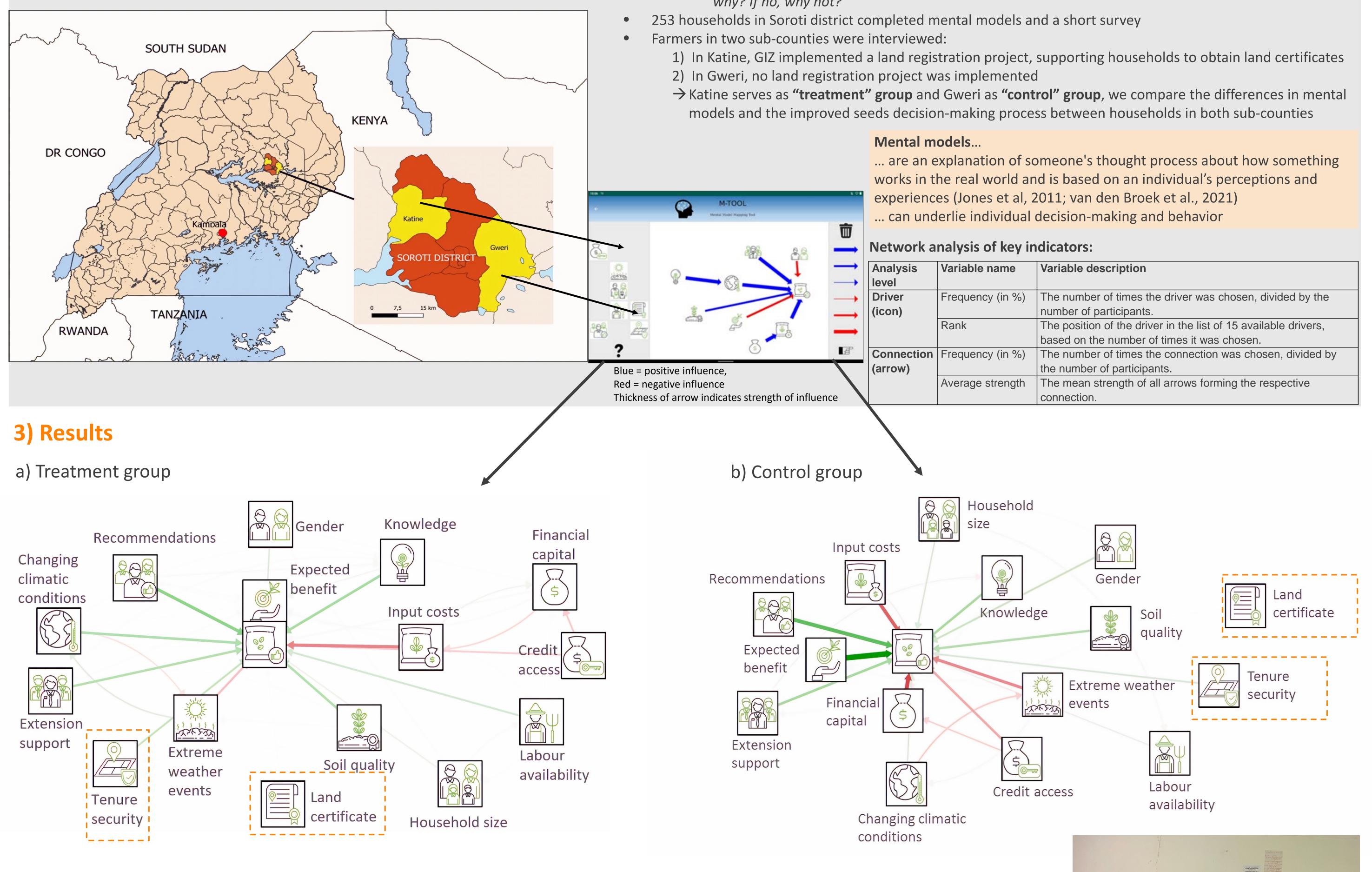
Secure land tenure increases agricultural / But there is little empirical evidence –

#### **Research gaps:**

• The role of tenure security in the investment decision-making process has not been



### 2) Study context and methods



- studied
- The relative role of tenure security compared to other factors influencing investment is unknown

**Research question:** What is the role of tenure security and its formalized version – land certificates – within the decision-making process of using improved seeds?

- We collected mental models from farmers in Eastern Uganda, asking them the following question: "Which factors influence your decision to use improved seeds? Do you use improved seeds? If yes, why? If no, why not?"

→	Analysis	Variable name	Variable description
•	level		
•	Driver	Frequency (in %)	The number of times the driver was chosen, divided by the
•	(icon)		number of participants.
		Rank	The position of the driver in the list of 15 available drivers,
			based on the number of times it was chosen.
P	Connection	Frequency (in %)	The number of times the connection was chosen, divided by

- Only few differences between the aggregate mental models of treatment and control group
- Approximately 30 % of households include **tenure security** as a driver in both groups
- 19 % of households in the treatment group include land certificates as driver and 11 % of households in the control group
- Both drivers are among the least chosen drivers (rank 12 and 15 out of 15)
- Women are much more likely to include land certificates in their mental model compared to men

## 4) Discussion



Land certificates in Soroti district

- The results do not indicate that tenure security and land certificates are important for the decision to use improved seeds
- This could be due to improved seeds' nature as a rather **short-term investment**
- Similar studies could be conducted on more long-term investment, to investigate if the investment time horizon is important
- The higher share of land certificate inclusions in the treatment group (19% vs. 11%) may be an information effect
- Women attach higher importance to land certificates than men, which calls for better inclusion of women in land registration projects

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