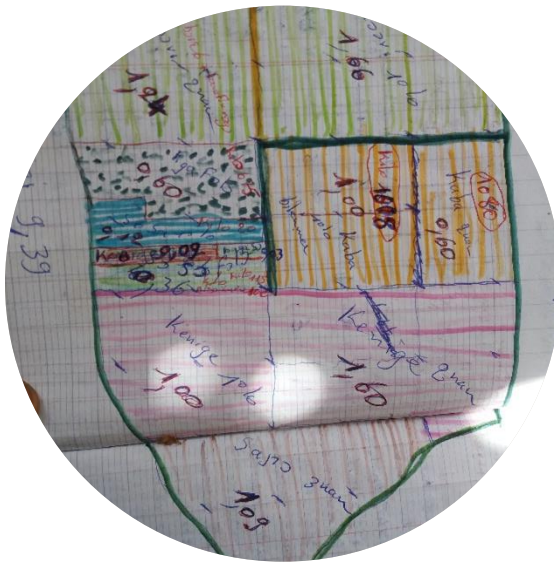


Adapting existing farm management tools to the local context of southern Mali

PhD research in progress

March 2019, Arouna Dissa



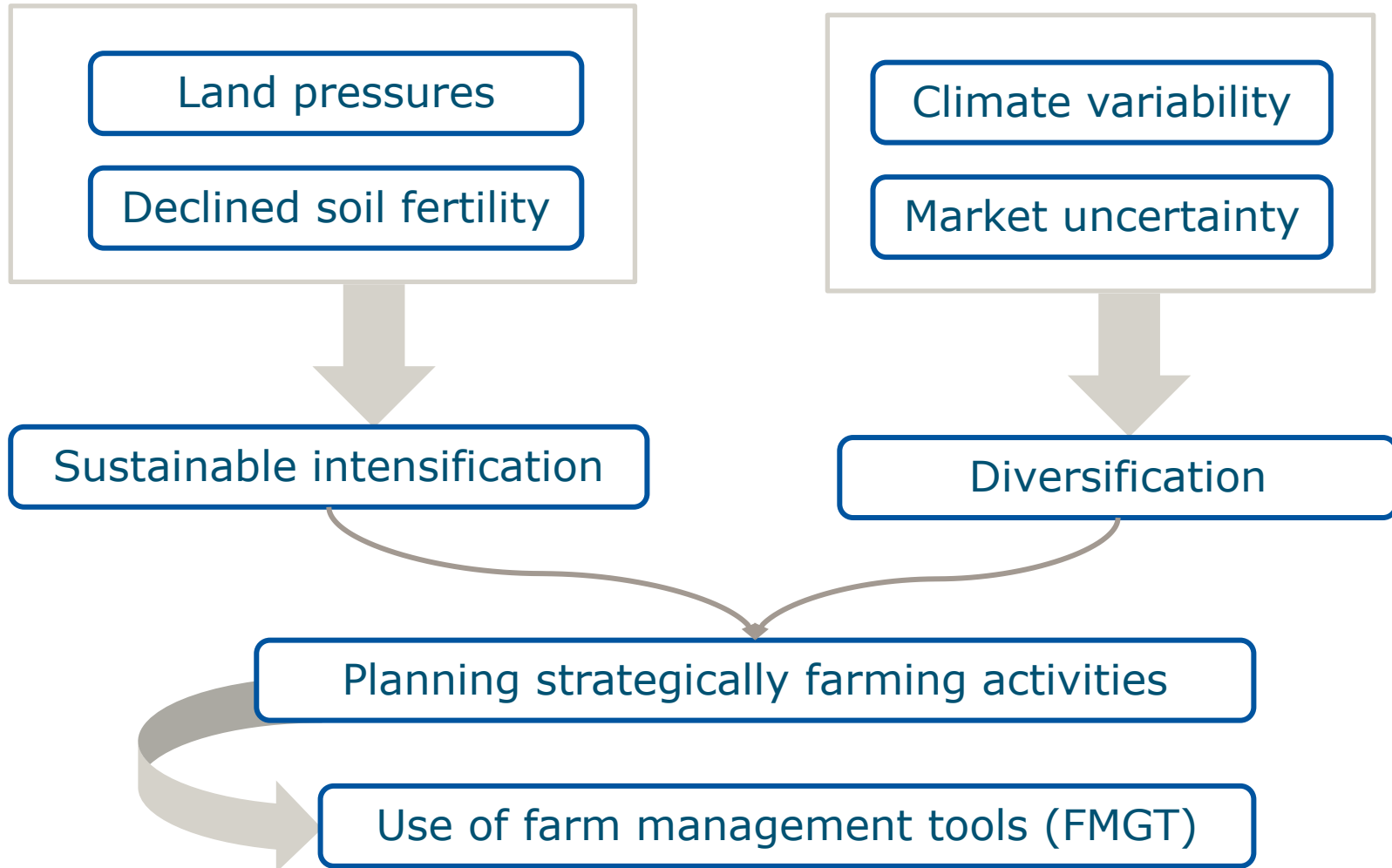
Research area: Koutiala



Crop-livestock interactions are key element of sustainability of the farming systems



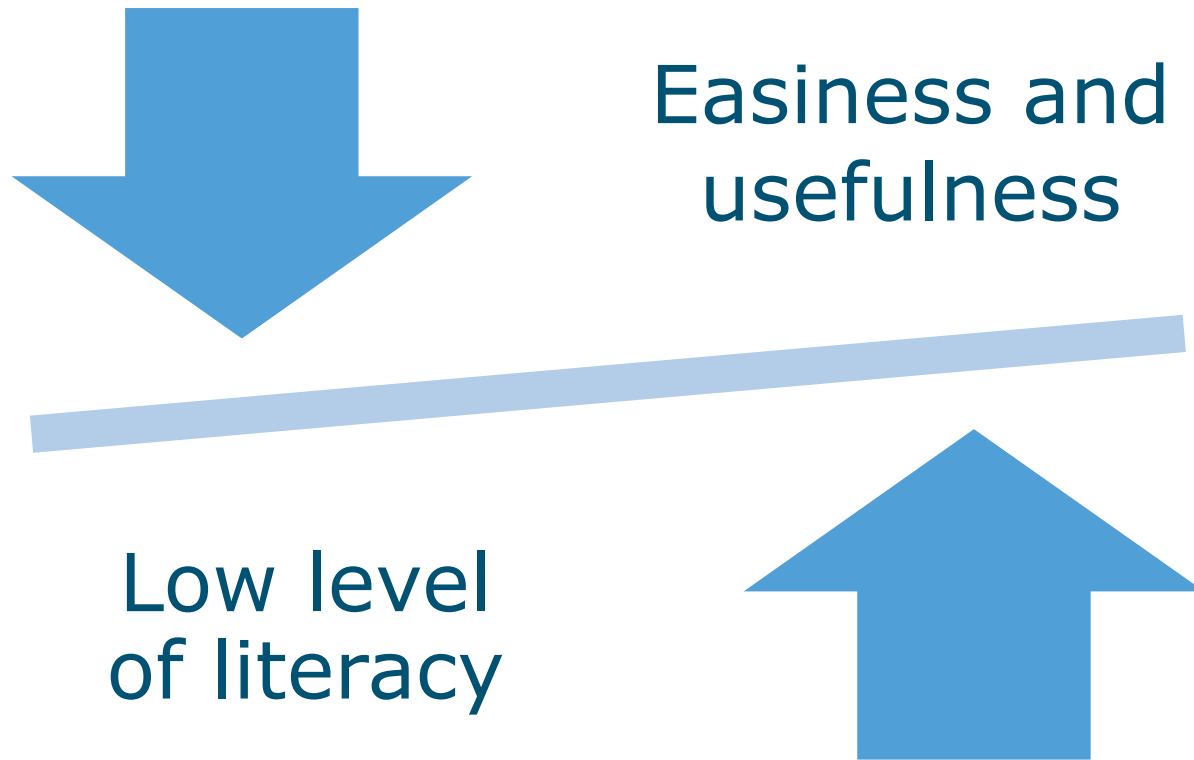
Current trends



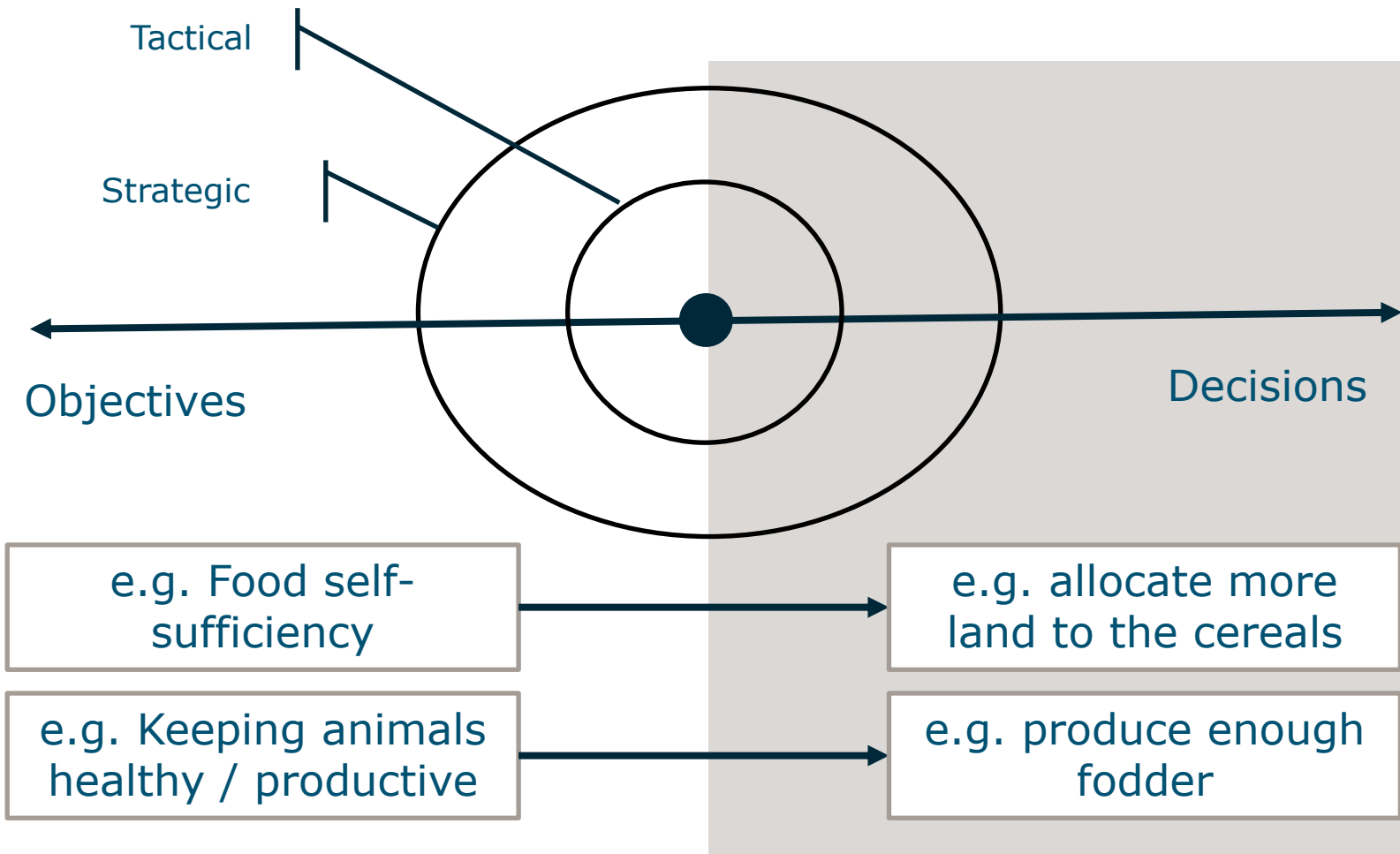
Limited use of existing FMGTs

- One-size-fits-all tools → failure to address heterogeneity
- Low literacy of farmers → reliance on external support
- Top-down approach → only for transfer of technologies
- FMGTs elaborated in the 80's → changes not captured

Need to adapt existing FMGTs



Adapt existing FMGTs



Research question and hypothesis

RQ: How can existing farm management tools be adapted to the local context of southern Mali so that they can be used autonomously by a producer in line with achieving strategic objectives?

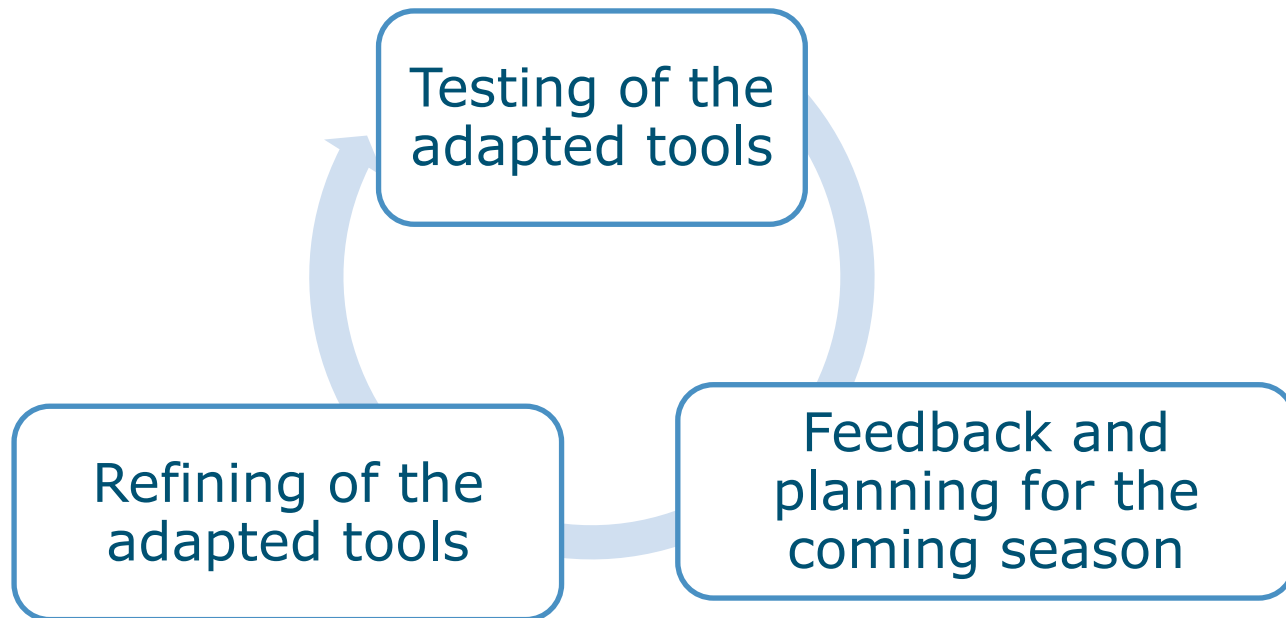
RH: FMTGs that are adapted to the local context of southern Mali contribute to better decision-making of resource use to achieve strategic objectives.

Method

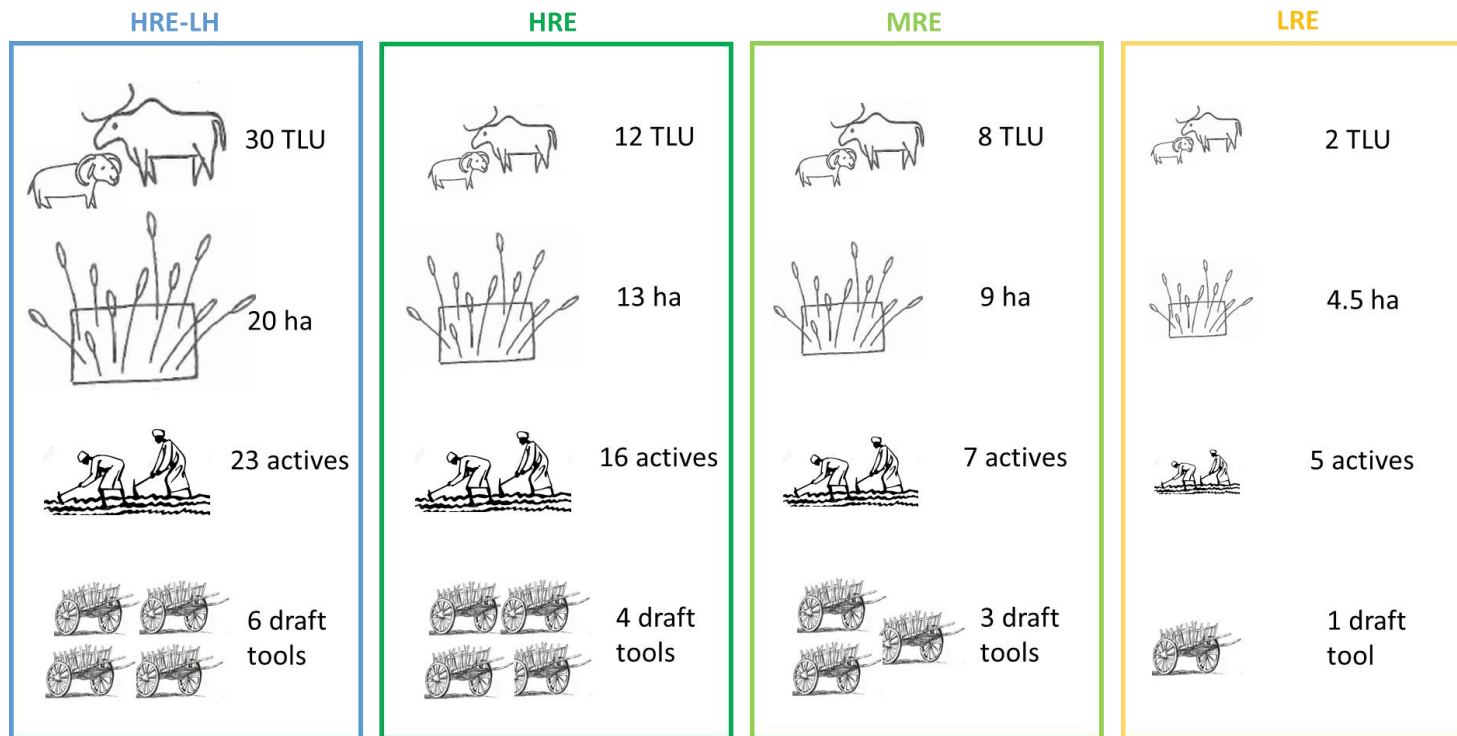
- Inventory of existing tools;
- Information on key events/operations
- Resource endowments



Adapting
existing
tools



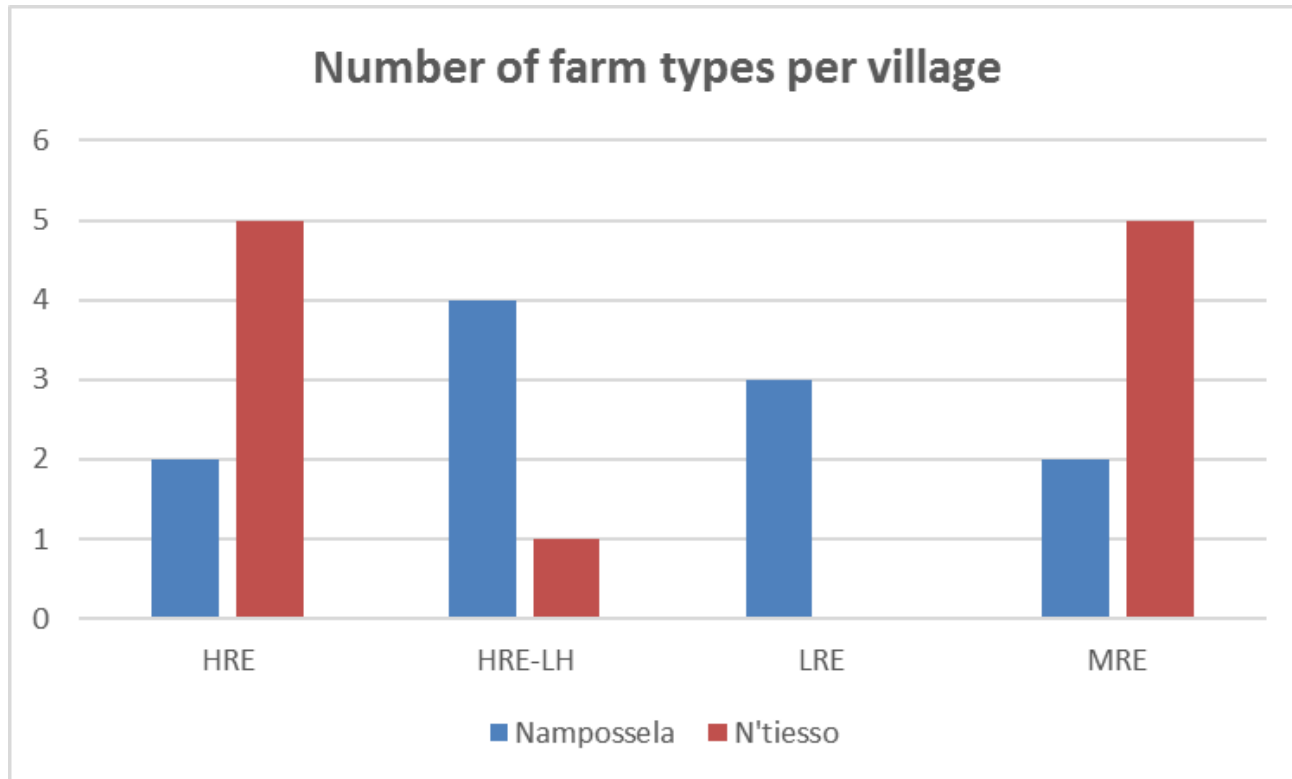
Resource endowment



After Falconnier et al. (2015)

Sample of 2018-19 season

- 2 villages (Nampossela and N'Tiesso)
- 22 farmers selected using a typology (Falconnier et al. 2015)



Planning of activities: farm resources

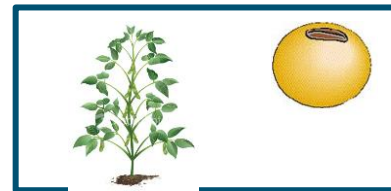
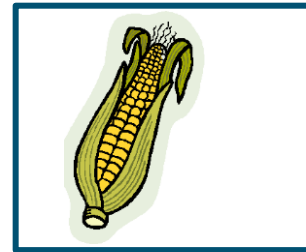
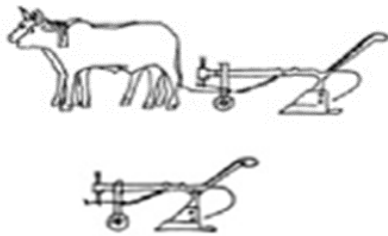
Baarklaw hakq:.....



Dumumikqla hakq:.....



Sqnqkq misiw+minaw:.....

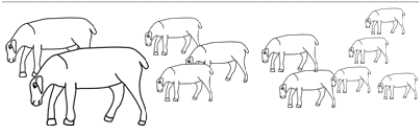


Planning of activities: farm resources

F\g\ k\no misiw:.....



Sagaw:.....



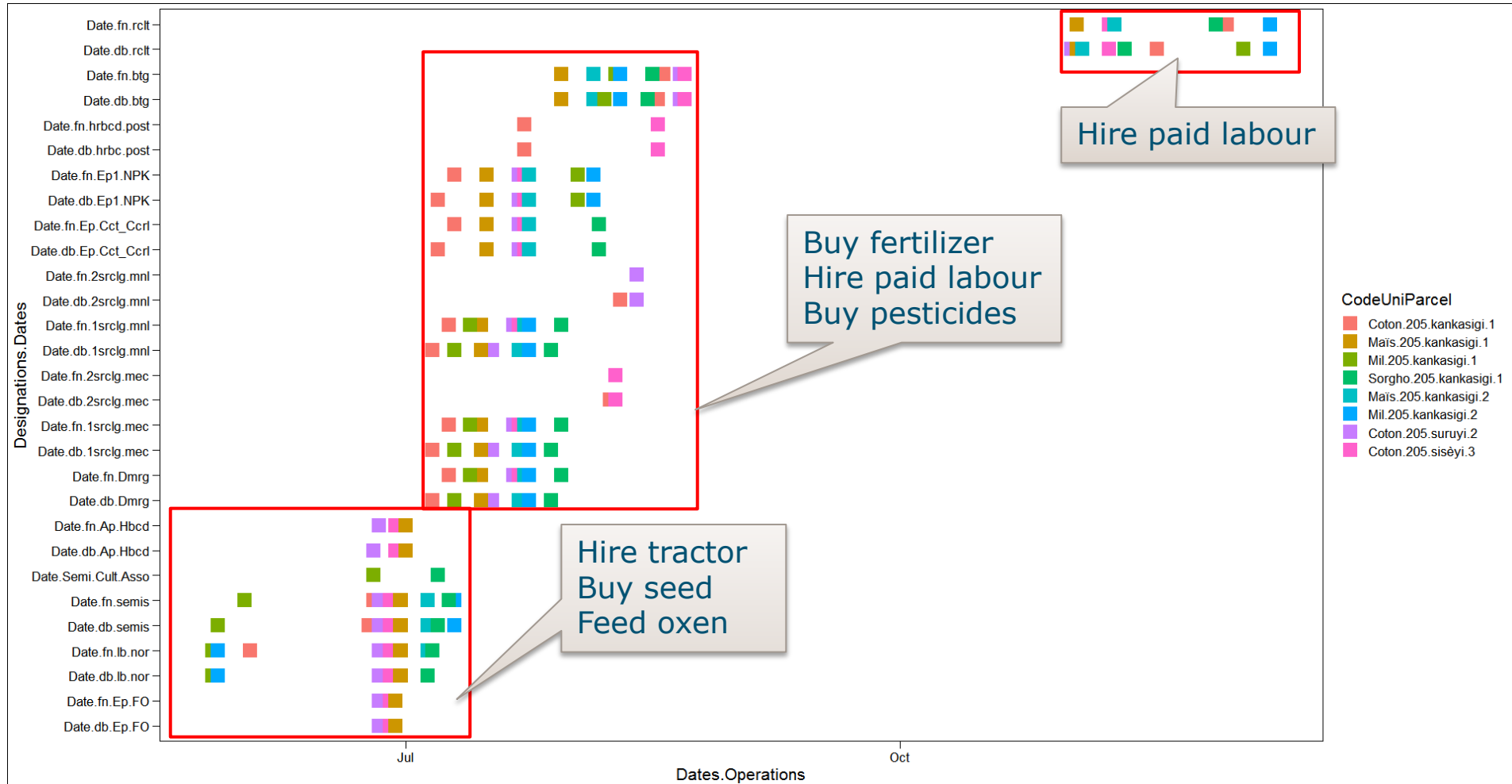
Baw:.....



Planning of activities: Objectives behind major cropping activities

- Peanut → income for payment of harvest labour
- Cotton → income and access to inputs of cereal
- Maize → mainly food for self-consumption
- Millet → food/income
- Sorghum → food/income
- Cowpea → fodder

Planning of activities using the calendar

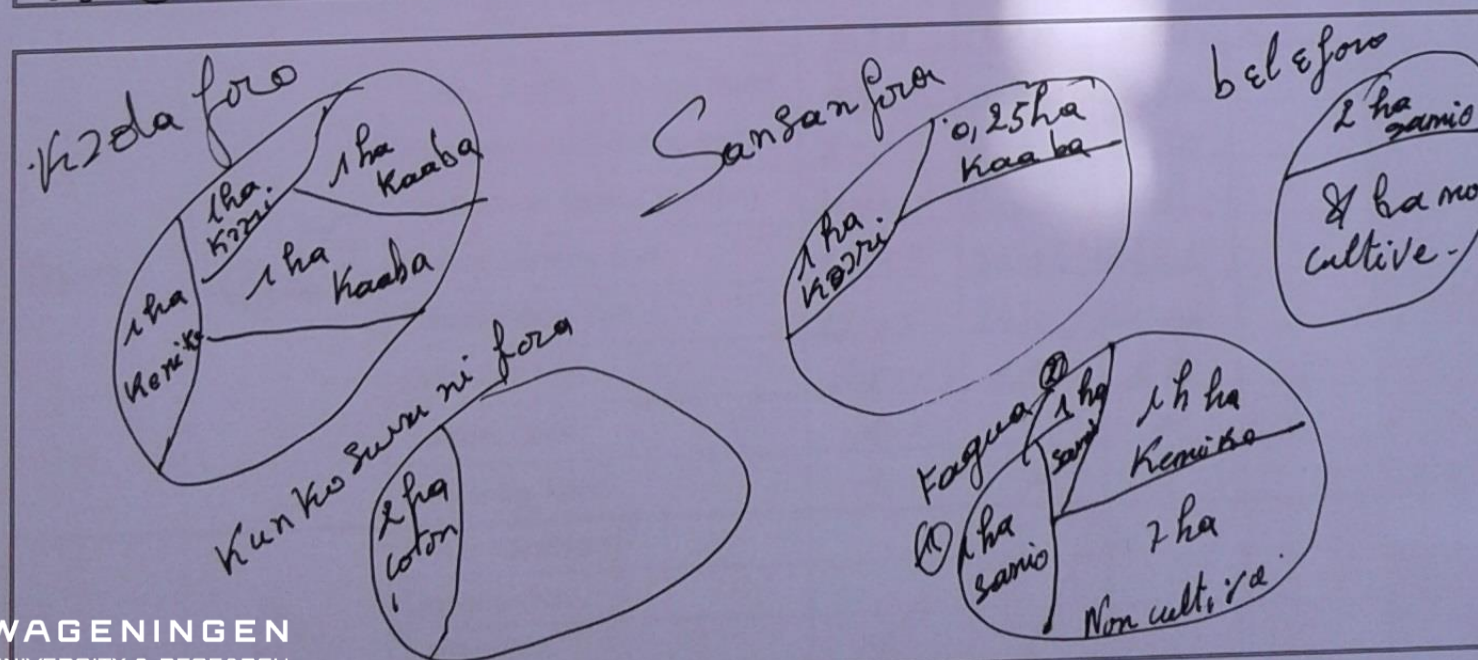


Tools for planning of cropping activities

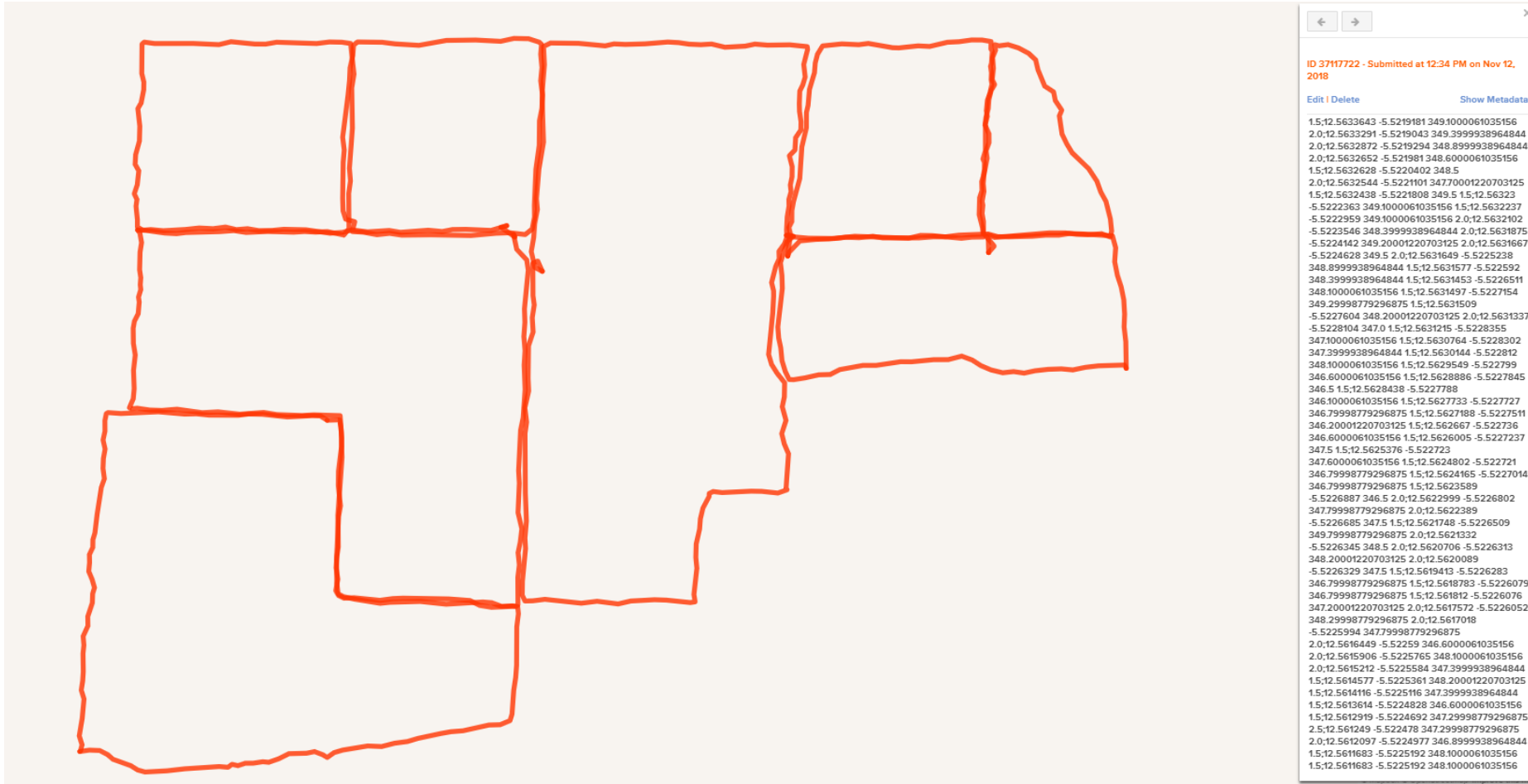
		Foro kenew	Foro 1lo	Foro 2n	Foro 3n	Foro 4n	Mume
Senefen: Koori		Kene hake (taari)					
		Dugu kolo suguya					
		Senefen korɔ saani koori					
Toli nogo laso ni boreme nogo		Toli nogo hake (wotoro)					
		Laso hake (bore)					
		Boreme nogo hake (bore)					
Foro kene laben		Dugu jalan ci	awɔ/ayi				
		Misiw laburu	awɔ/ayi				
		Terekiteri laburu	awɔ/ayi				
		Wele bo	awɔ/ayi				

Follow up cropping activities

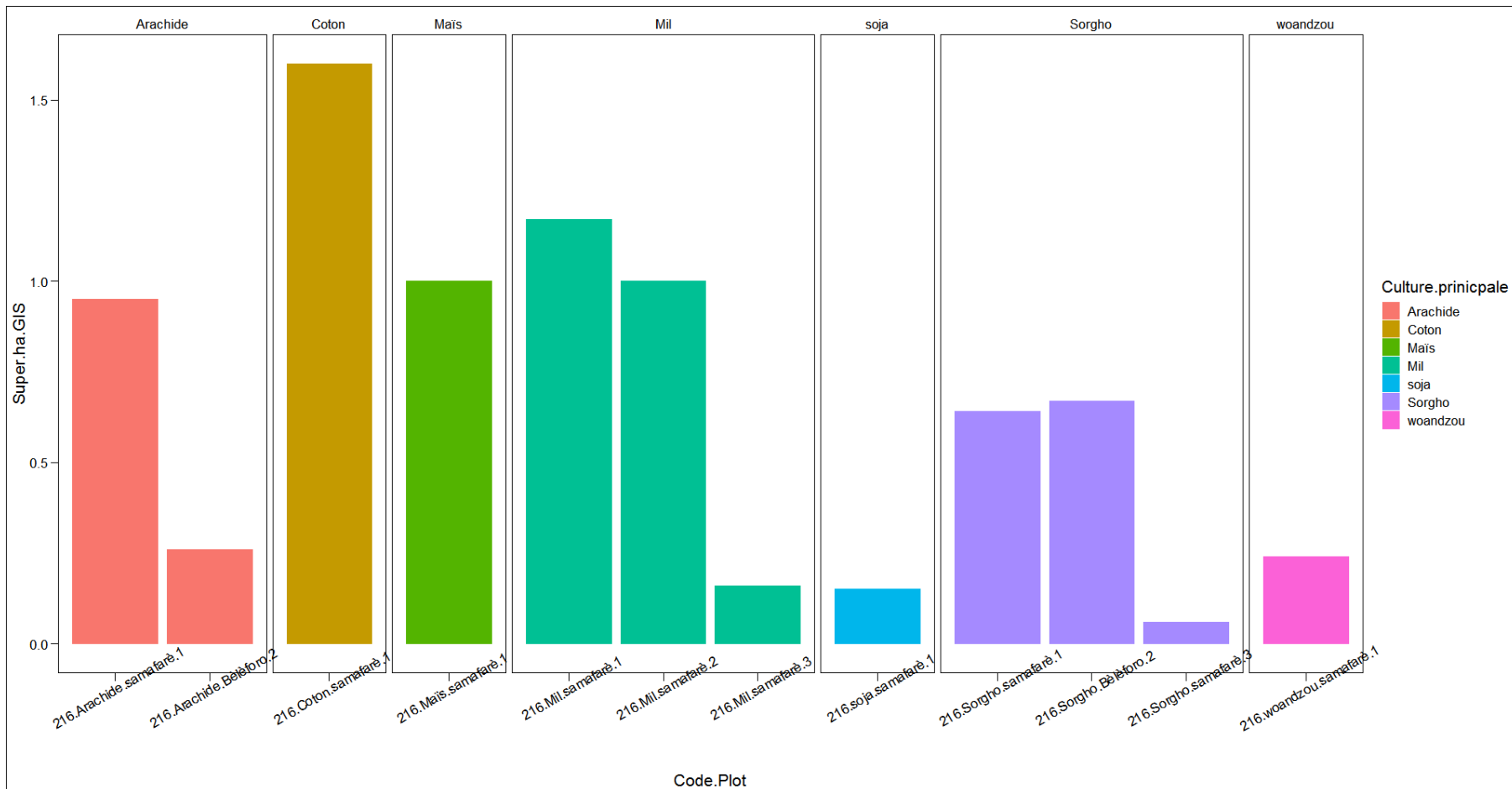
Foro kenew togow	Kene tigiya (tigi /sija)	Taari hake	Dugukolo cogoya			Jiriw farow kono	
			Boko fin	Cen-cen	Bele	Hake	Jiriw minu ka can
Koda	tigi	4,5		x		50	shi, nere
Sansan	- 1 -	1		x		0	
Kunko sumi	- 1 -	2		x		20	shi, nere, sira
Fagua	- 1 -	14	x			400	shi nere
Bele	- 1 -	10			x	500 ⁺	Zaban, shi, nere



Follow up: GIS data of plots



Lesson: Planning helps diversification



Thank you

Questions?
Comments?

