

"Developing a typology of agricultural holdings for improved policy design: a preliminary case study of Malawi"

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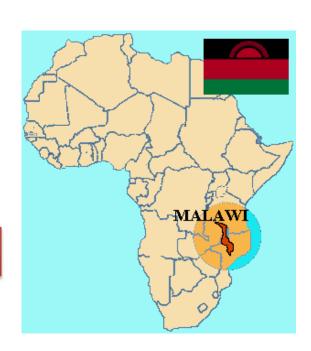
Presentation to the WAW working group
27 May 2014



1. Context

- French team interested in Malawian agricultural policy
- Objectives of the report
 - Contribute to discussions on the WAW International Framework
 - Raise interest of Malawian stakeholders on the need for a typology
- ⇒ Agricultural based country
- ⇒ Dual farm sector: estate vs.smallholders

Typology useful for improving policy design





1.1. Agricultural based country

- 84% rural
- Staple: maize, Commercial crop: tobacco
- 30% population: food insecure, 10% chronic (seasonal)
- 94% of households: net food consumers
- 50% of population poor (2012)
- Densely populated: N 46hab/km² to S 144hab/km²
- Recurrent climatic shocks



1.3. The data: IHS3, 2009-2011

- LSMS: Living Standards Measurement Study (World Bank)
- LSMS-ISA: Integrated Surveys on Agriculture, special module on agriculture
- 12 272 households
 - 10 158 farm holdings
- Many details on farm and off-farm activities, socio economic characteristics

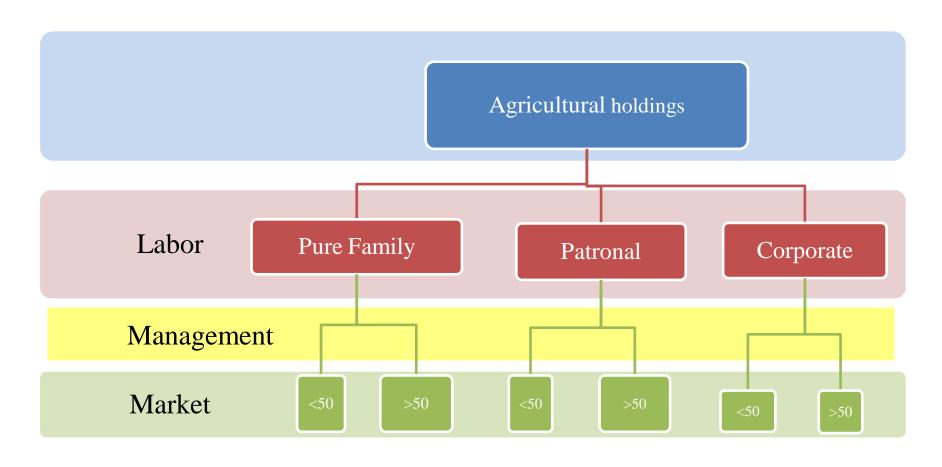


1.3. The data: main limitations

- Not representative: no estates interviewed (est. 1% holdings and 27% land, most commercial crops)
- No direct question on the decision making process, legal status of holdings
- Concern on reliability of some data (share production sold, prices)

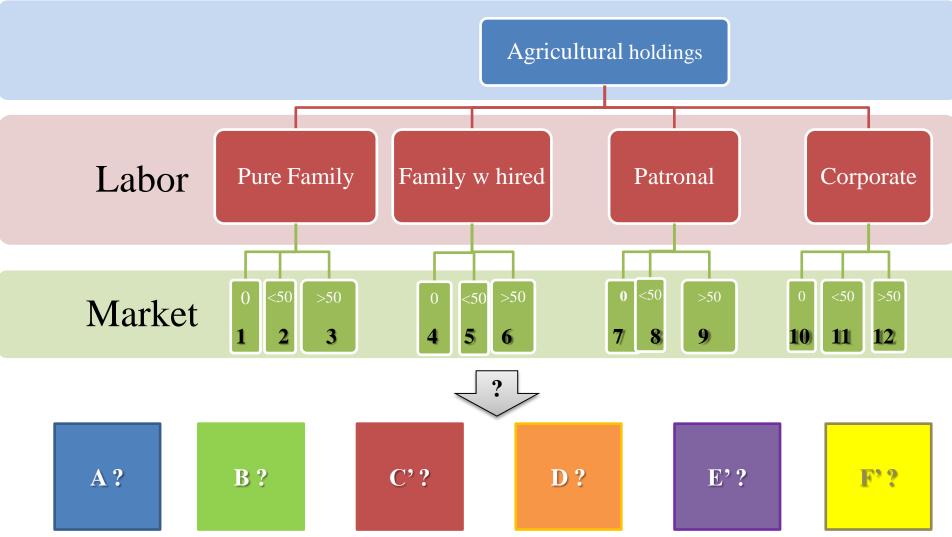


2. Methodology: International Framework



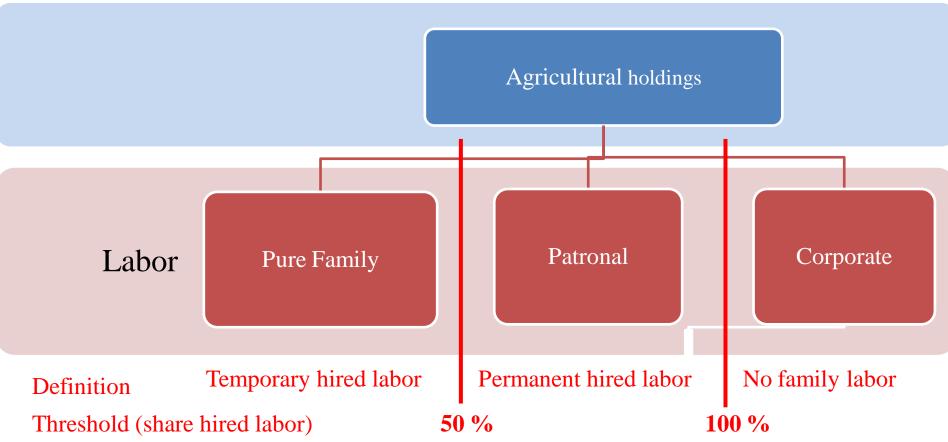


2. Methodology: Malawi





2.1. The labor entry: WAW





<u>Data</u>

3 types of labor, in day, by season (rainy / dry)



- Household labor (members living in the household)
- Hired labor
- Free and exchange labor



• Test: permanent labor?

>>130 days hired only 26 observations (0,3 % sample)

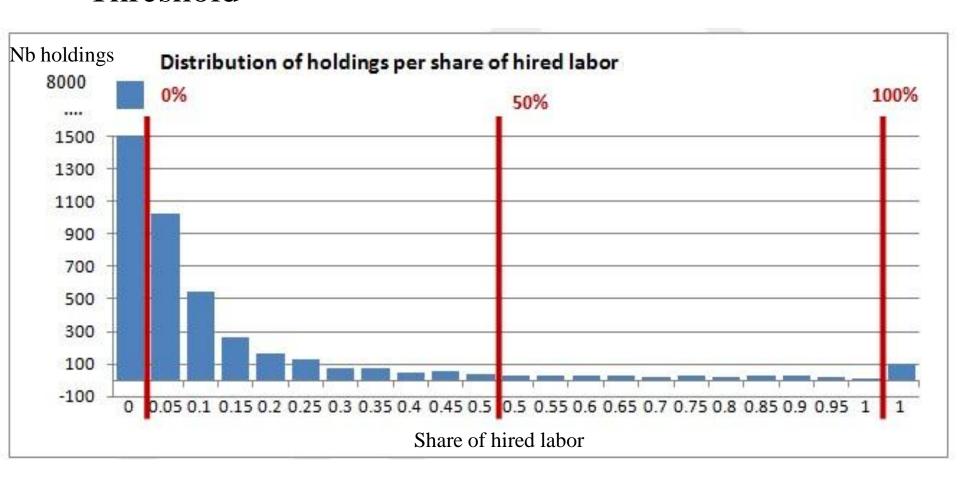
• « Ganyu »

ie daily informal job

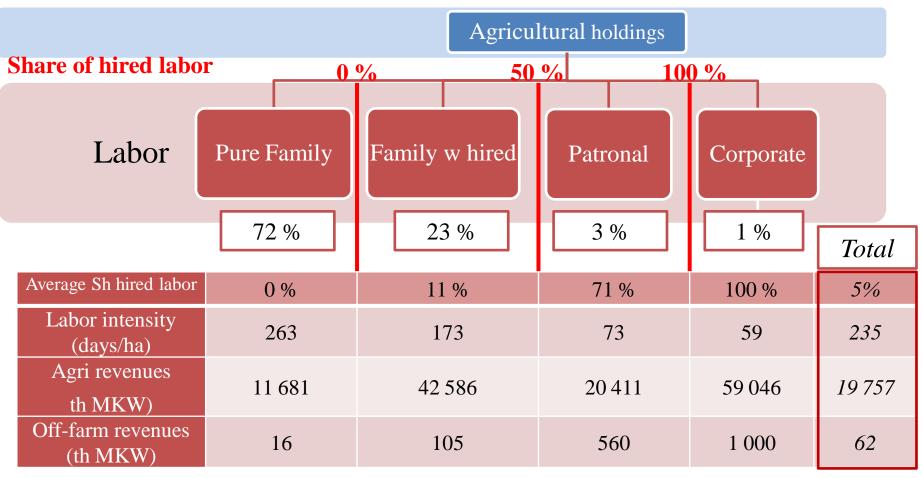
Most common pratice for hired labor in agriculture



Threshold



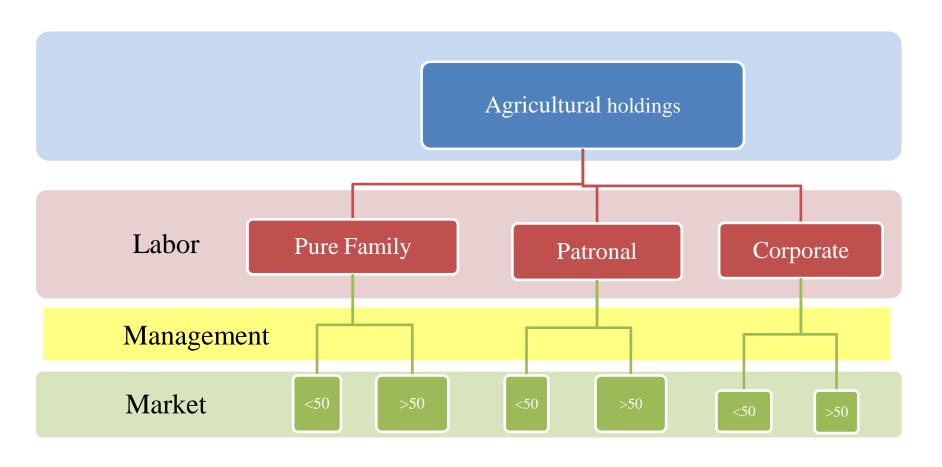




^{=&}gt; Ordered by increasing revenues



2.2. Marketing threshold: WAW





The marketing threshold

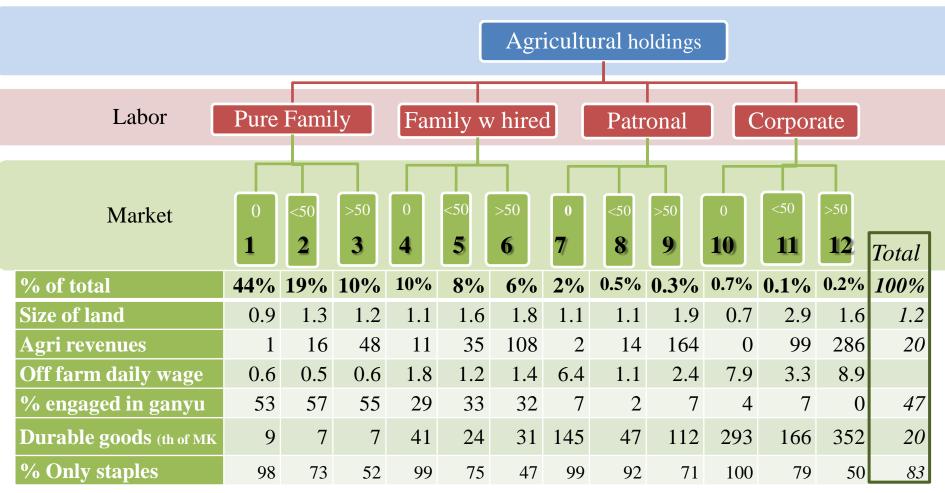
Threshold



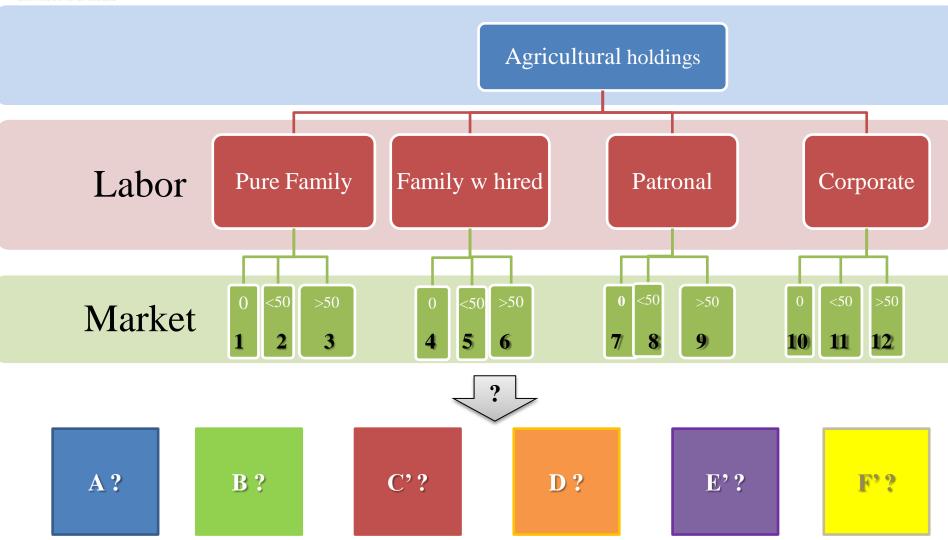
Share of production sold



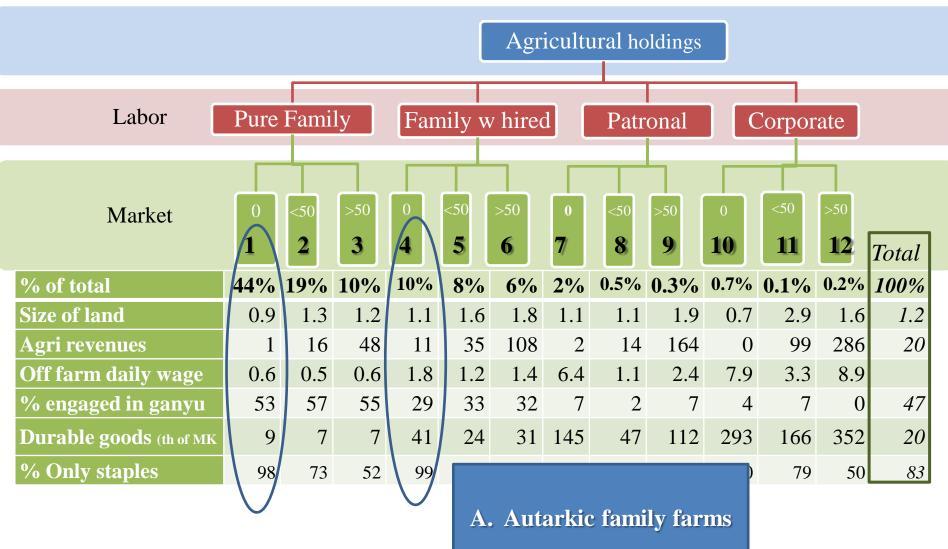
2. Methodology: Malawi



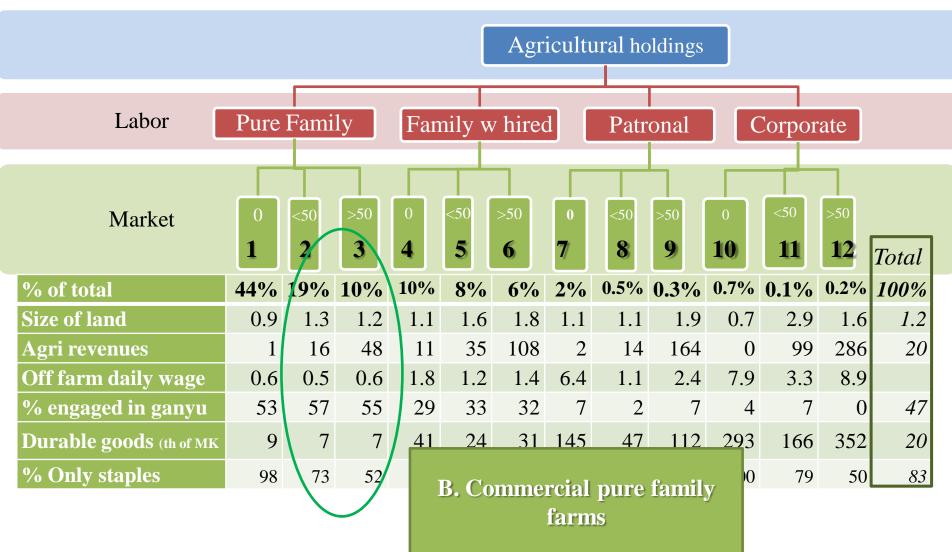




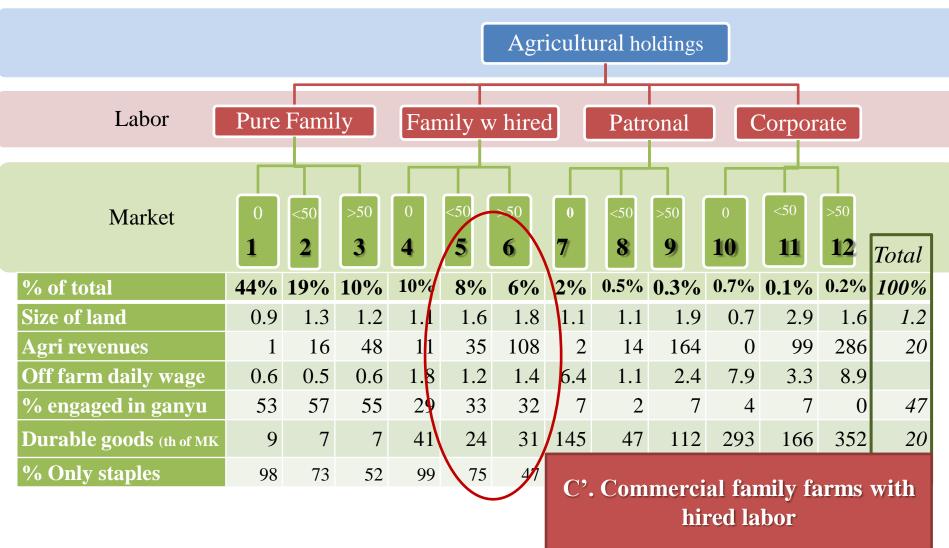




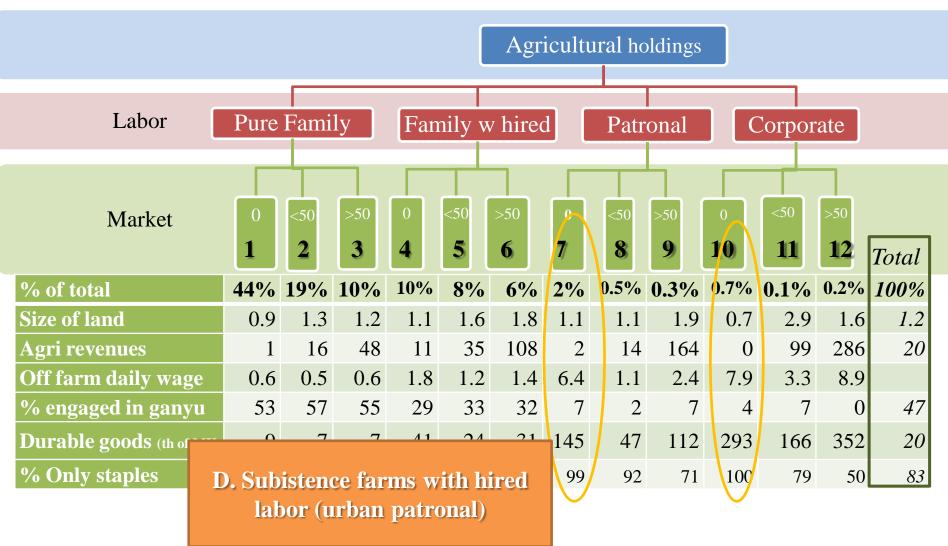




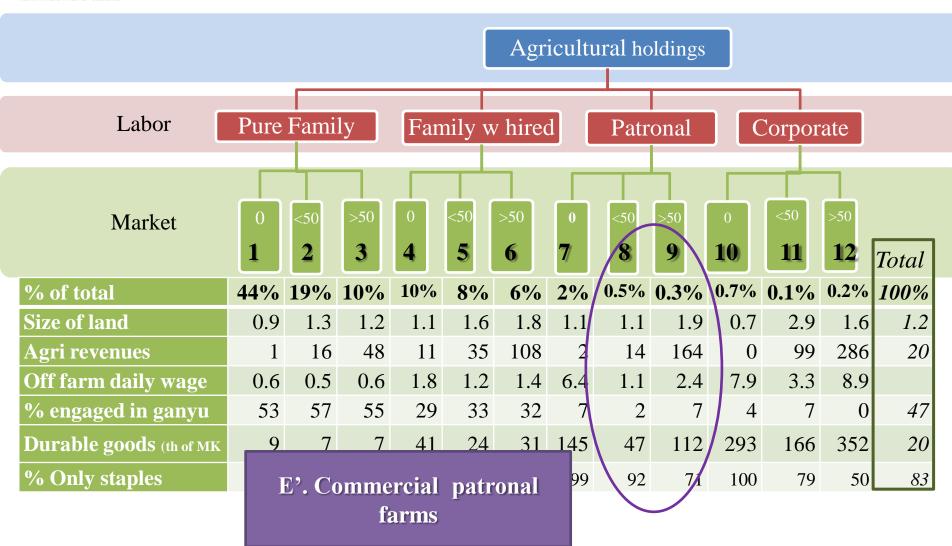




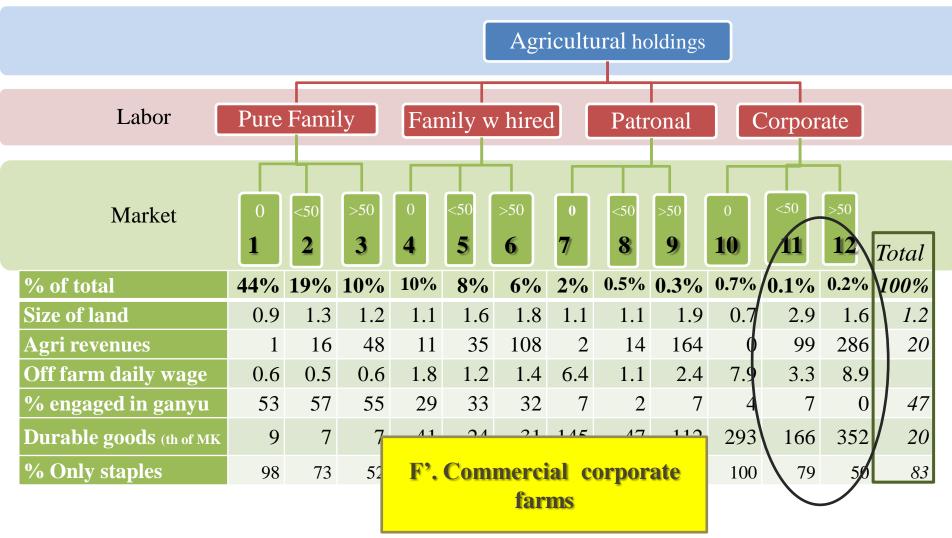






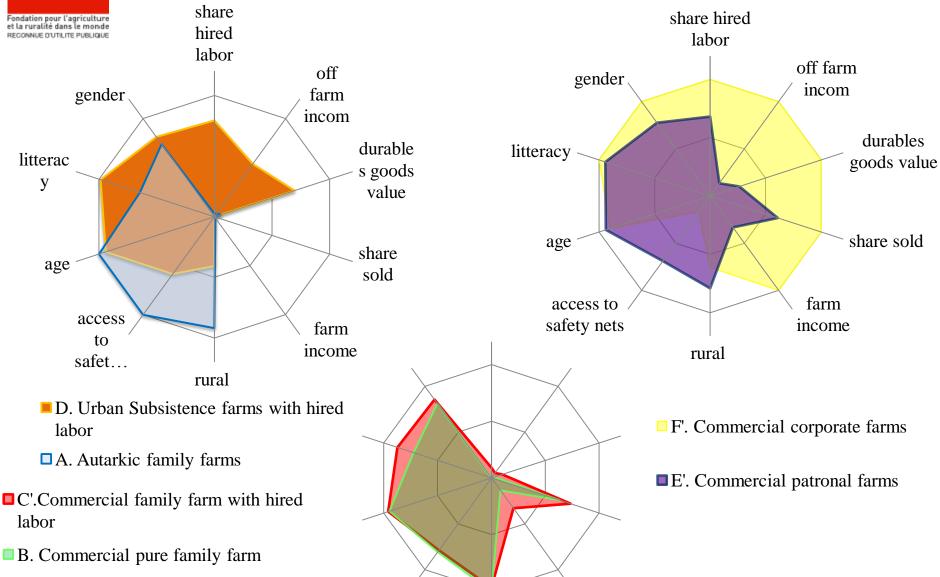






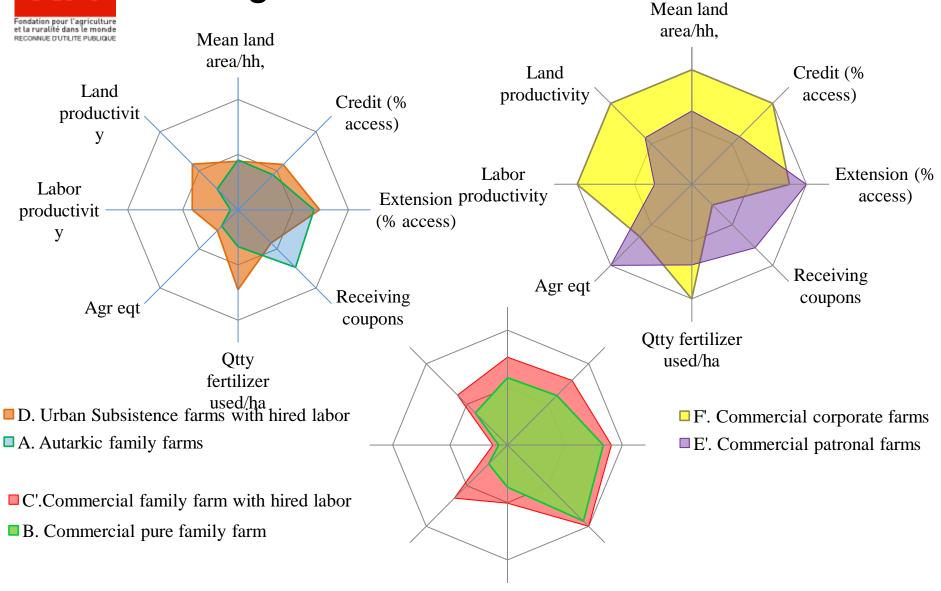


3.1. Socio economic characteristics



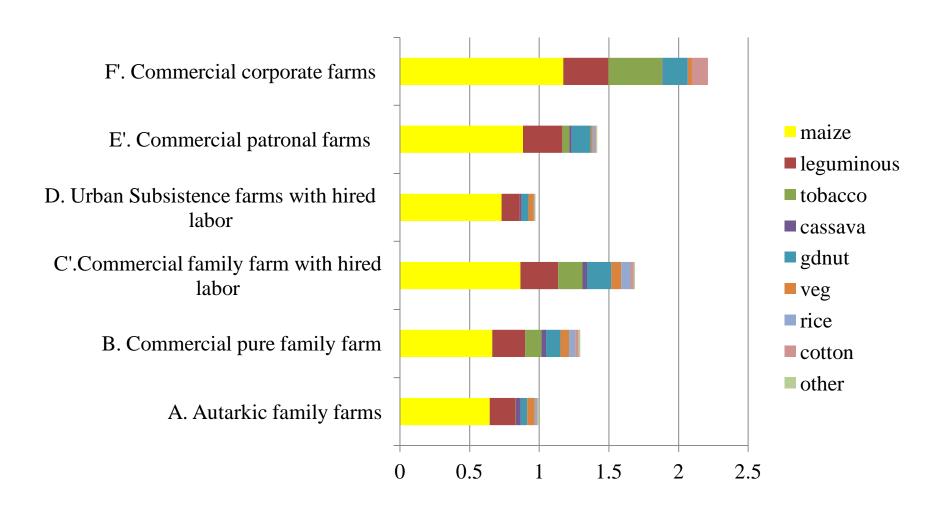


3.2. Agriculture





3.3. Cropping patterns





4. Concluding remarks: WAW framework

- 1) Labor criteria strong determinant
 - 0% hired labor
 - Malawian case: corporate ≠ patronal?
- 2) Marketing criteria discriminating but threshold?
 - 50% was not kept
 - 10% ?
- 3) Off farm income determinant: critical K asset
- 4) Land qtty/hh member and quality?



4. Concluding remarks: Next steps

6 types very preliminary, need to be deepened:

- IHS3:
 - Labor (weight child, men, women, and analyze rainy season separatly)
 - Land (quantity/quality)
 - Rural/urban (link with off farm income, off farm activity of HH head)
- Additionnal data
 - Livelihood zones
 - Poverty
- Stakeholder consultations
- Field studies (test robustness & complement –corporate/estate)



Thank you for your attention

