

Context

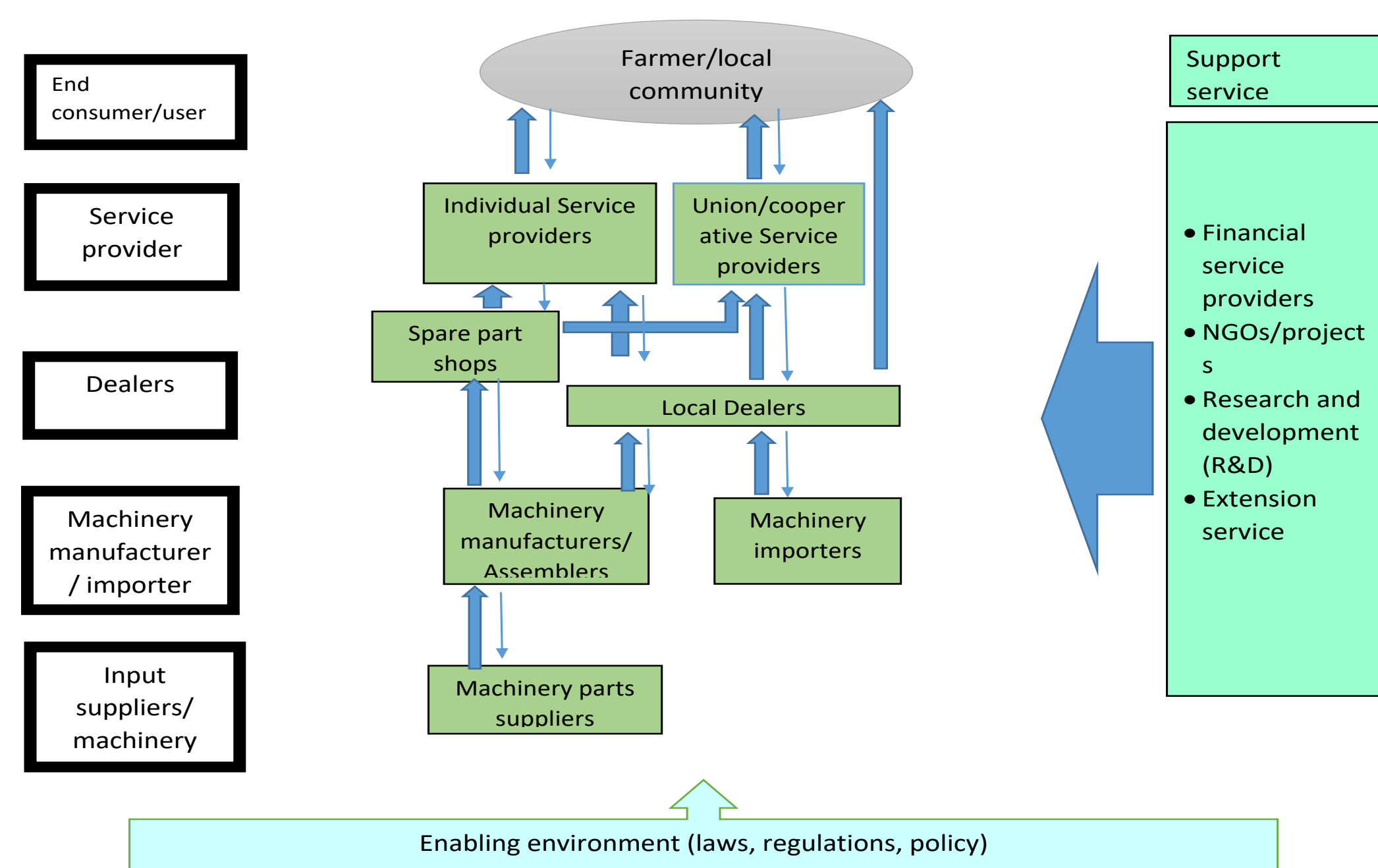
Farming systems in Ethiopia is characterized by low level of input utilization (improved seed, crop protection and nutrition and mechanization across the value chain) resulting in:

- low land and labor productivity
- food insecurity and
- Rural youth unemployment

Innovative ways of working



- Design, test and adapt technologies
- Farmer center design (re-engineering on farmers' and Service Providers feedbacks) through field days and demonstrations
- Conduct promotional and training activities
- Establishment and scaling of supply chain processes (spare parts, training of local mechanics, demand creation and satisfactory machinery back stopping services)
- Establishment of innovative financing services
- Market-based solutions driven by private sectors for a holistic value chain delivery system

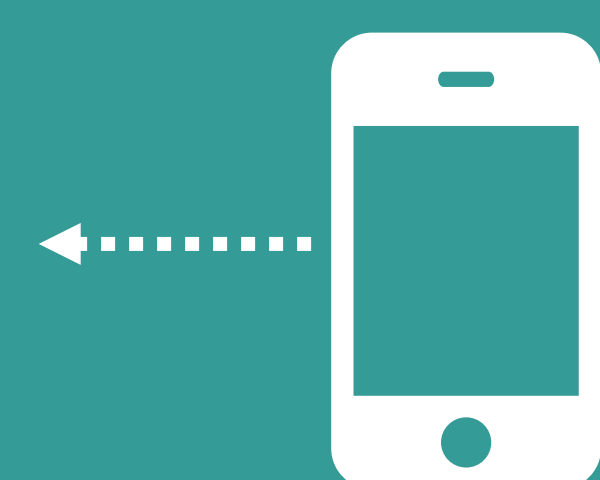


Appropriate small scale mechanization

2WT-based technologies (multi-purpose) – direct row planting, fertilizer, herbicides and pesticides application, irrigation, threshing/shelling, transport is viable and profitable business for individual service providers and smallholder farmers.

It increases yield, labor productivity, reduces production costs and associated farming drudgery especially in post harvesting for women.

Agriculture will attract youth if only appropriately mechanized and therefore has the potential to create thousand of jobs in machinery service provision and along the farming value chain.



Scan to find out more

Contact
Rabe Yahaya
R.Yahaya@cgiar.org

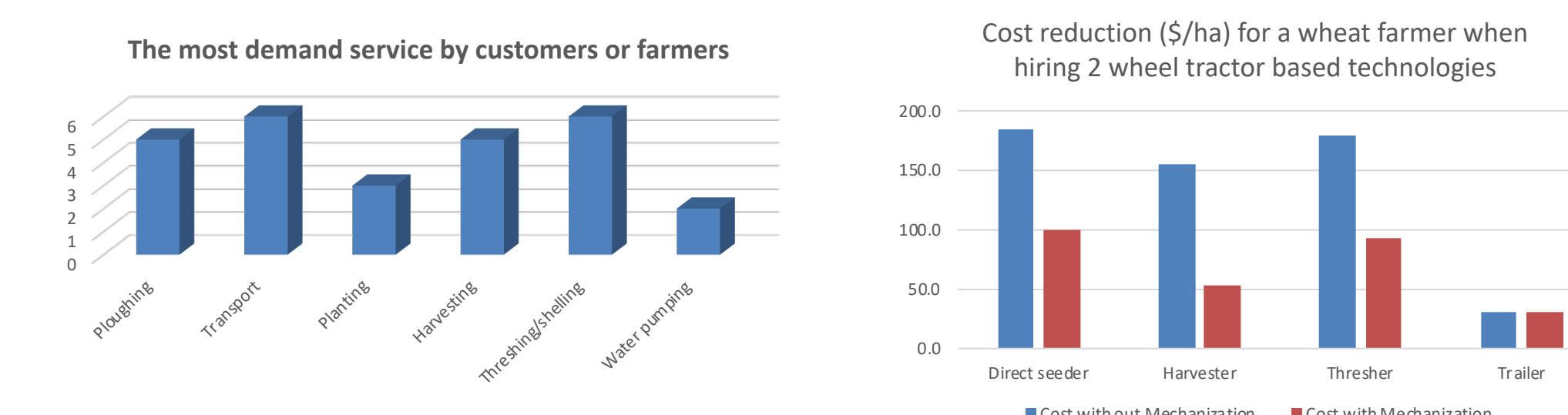
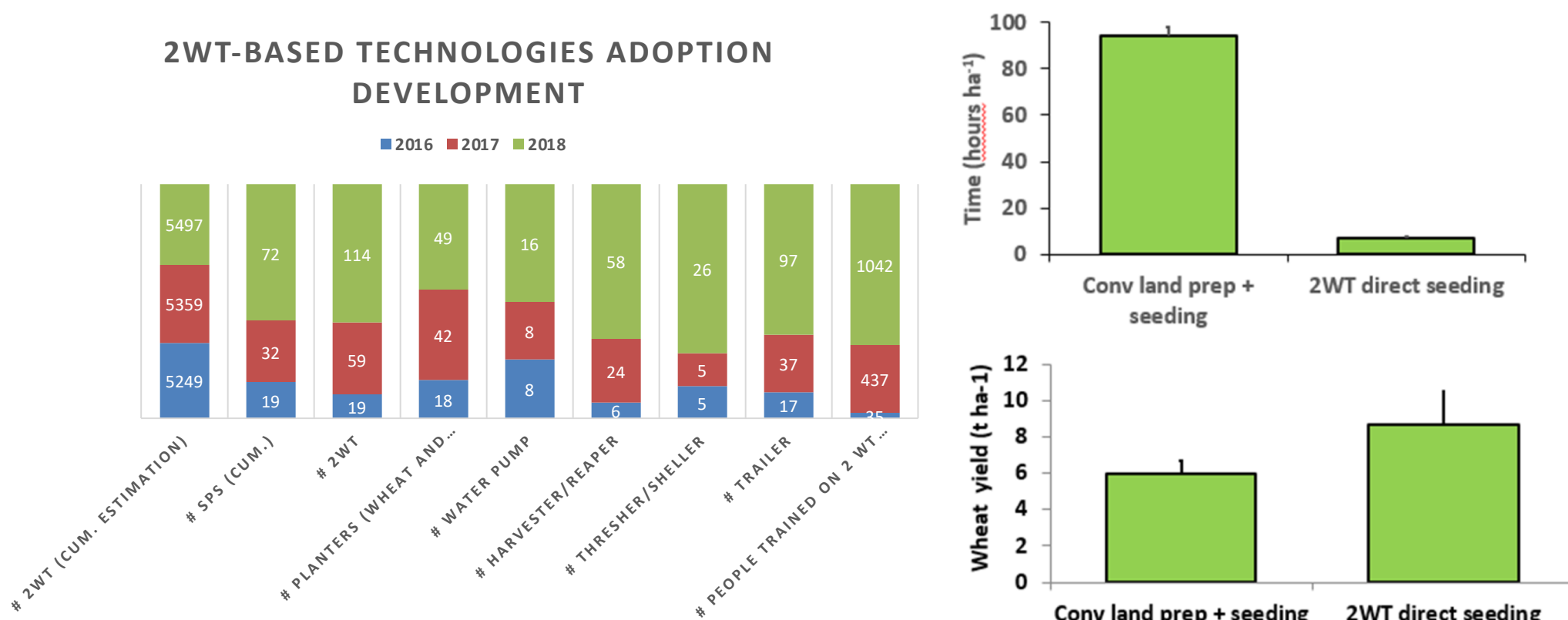


This document is licensed for use under the Creative Commons Attribution 4.0 International Licence. May 2019

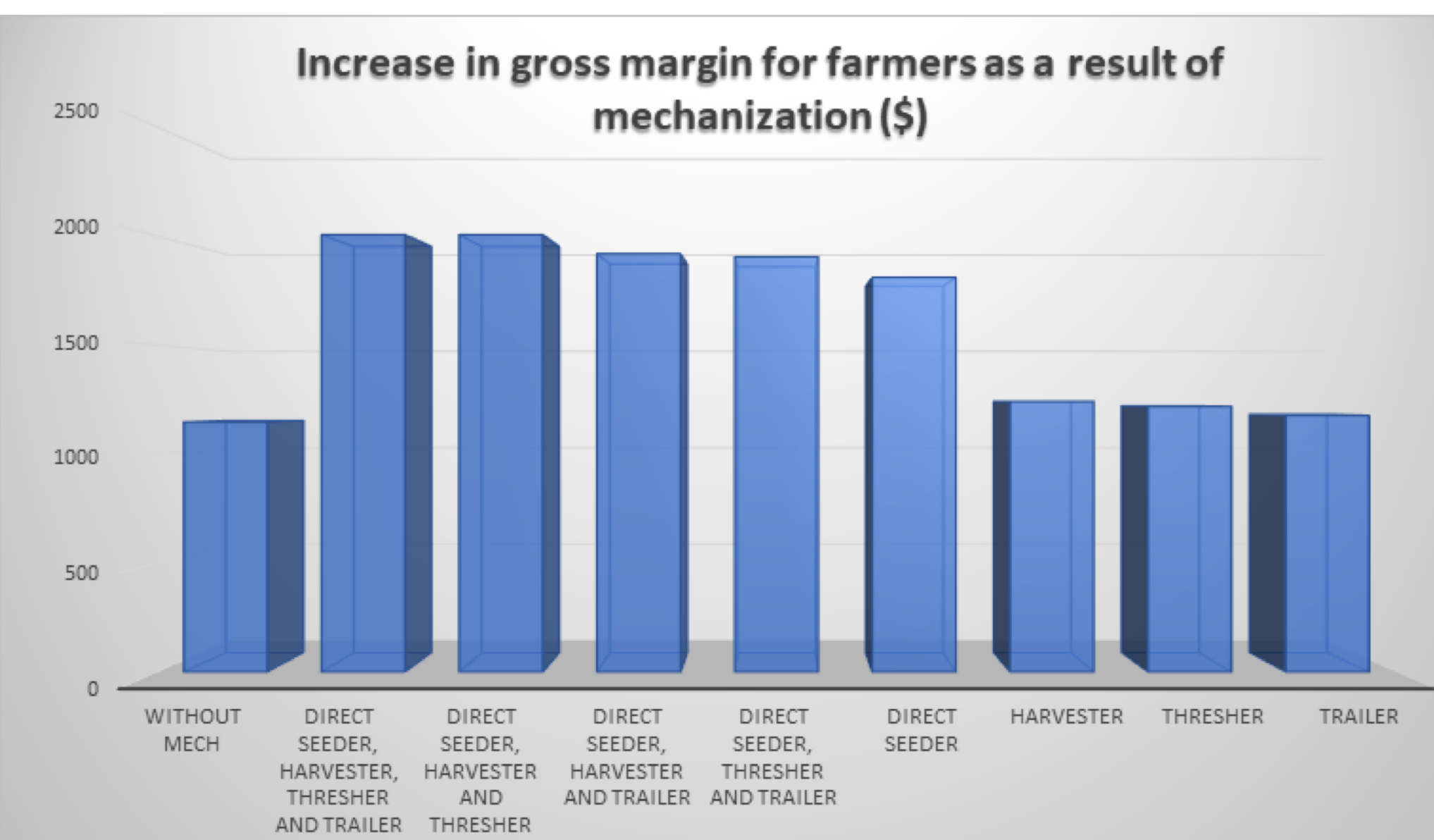


Future steps

- ❖ Scaling out and exploring the impact of small scale mechanization in food systems on productivity and employment
- ❖ Manufacturing and importing



Service provider activities	# of clients served by SP/year	% of female headed households from total # of clients	Average annual income, USD	Income from hire service, USD	% of income from hire services	% of income from other sources
Average	76	37	2,141	1,604	73%	27%



Partners in Ethiopia

GIZ, MoANR, EIAR, AMIO, iDE, private importers and manufacturers, regional and line bureaus of agriculture and financial institutions.

We would like to thank all funders who supported this research through their contributions to the CGIAR Trust Fund:
<https://www.cgiar.org/funders/>

