

Seed potato production in Burundi: strategies for improvement.

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Projet en partenariats



Content of the presentation

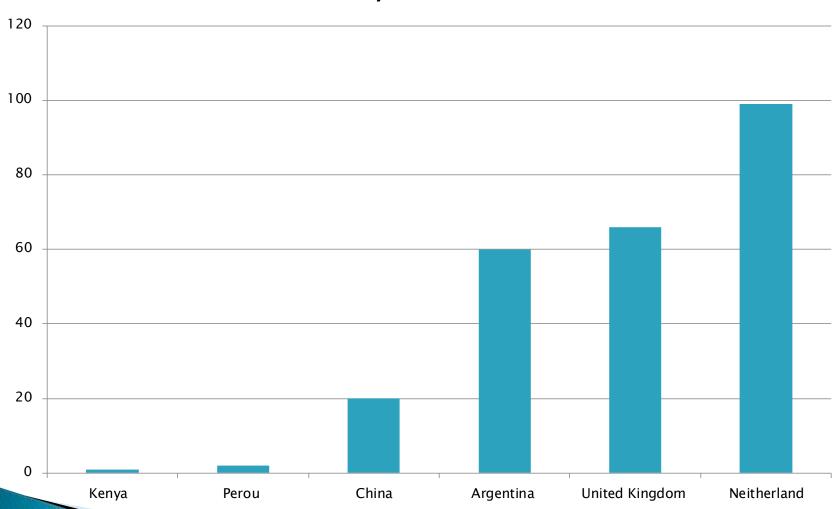
- Background
 - Status of quality of seed potato (woldwide, and in Burundi)
 - Why the status of the quality seed potato in burundi?
- Smallscal farmers based research supported innovations highlighted
- 3. Inclusive quality assurance strategies
- 4. Recommendations and conclusion

1. Background

- Potato production in Sub-Saharan Africa (SSA) has more than doubled since 1994, with 70% growth in eastern Africa (FAO and CFC 2010).
- Despite these gains, on-farm potato yields in the region still short compared to their potential.
- Mostly due to a combination of inadequate supplies of high-quality seed and smallholders' limited awareness of better seed management practices.
- Greater involvement by the private sector including smallholder farmers in seed potato value chains offers means to unlock this yield gap by overcoming the supply bottleneck that is limiting the provision of quality seed

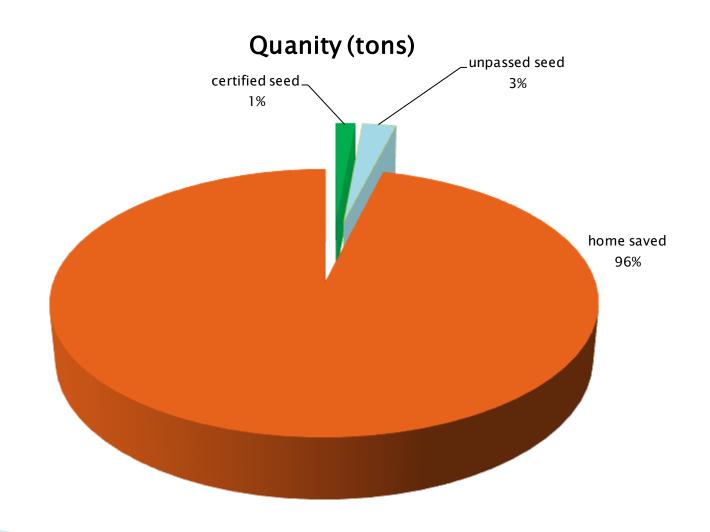
Picture of quality seed woldwide

Availability of Certified seed



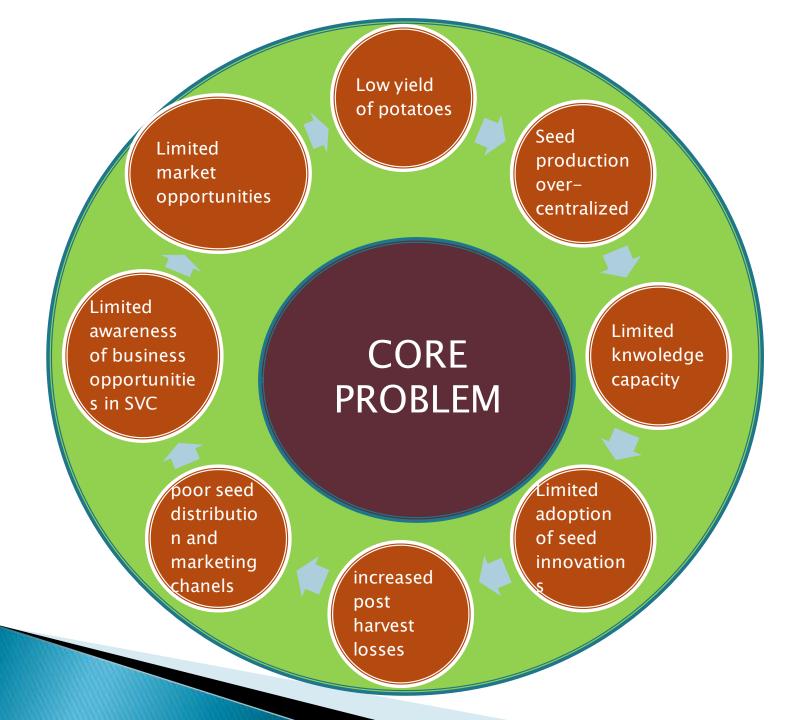
2. status of quality of seed potato (woldwide, and in Burundi)

Seed quality Availability stutus in Burundi (IN TONS), 2013 B







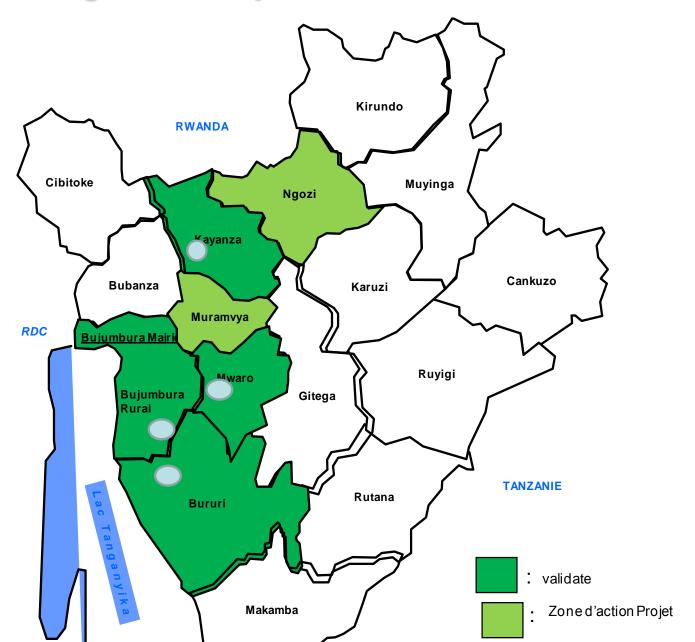


Seed system analyses

characteristic	farming household – farmer-saved	community- based	progressive farmers	humanitarian	public-private formal
general description	traditional for food, subsistence (informal)	development oriented and community- based (intermediary)	emerging group of farmers and entrepreneurs (intermediary)	Basically a distribution system dependent on other seed systems for production (intermediary)	project based structure that approach a public seed sector
type of varieties	Local and improved	improved and local	improved and local	improved and imported (Rwanda)	improved
type of seed quality	farmer-saved	commercial but non- controlled	commercial certified and non-certified	commercial no controlled	controlled and certified
type of distribution and marketing	farmer-saved, local exchange and markets	farmer-saved, local distribution and marketing	direct marketing, out grower schemes, contracts with humanitarian agencies	distribution followed by farmer- saved and local marketing	contracts and government distribution

3. ON-FARM RESEARCH SUPPORTED INNOVATIONS IN SEED QUALITY POTATO PRODUCTION AND MAINTENANCE

Project implementation sites





CONVENTIONAL SEED PRODUCTION SCHEME







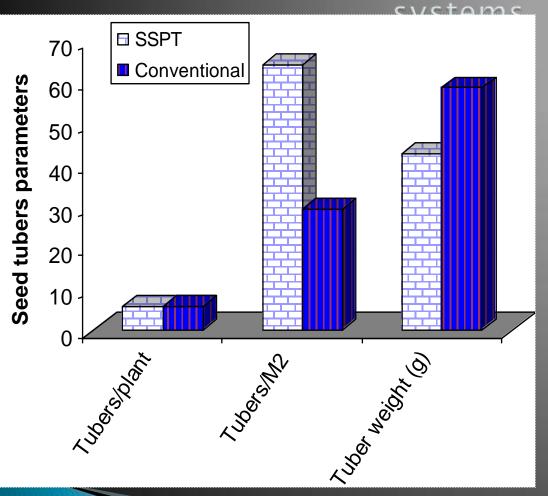
MINITUBER PRODUCTION THROUGH AEROPONIC SYSTEMS





1° SEEDPLOT TECHNIQUE

Performance comparison of Seedplot and conventional seed potato production













FULL SEASON HAND OF TRAINING, TRAINING OF TRAINERS (TOTs), MOHTER PLOTS WITH FARMERS, TOTs, EXTENSION SERVICES AS WELL AS ADMINISTRATIVE OFFICERS





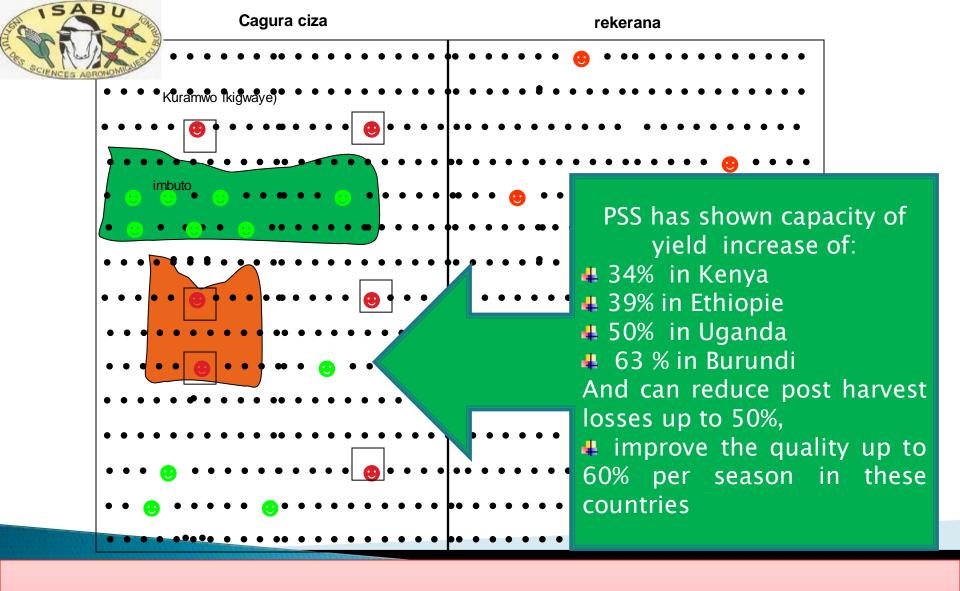












Positive seed selection



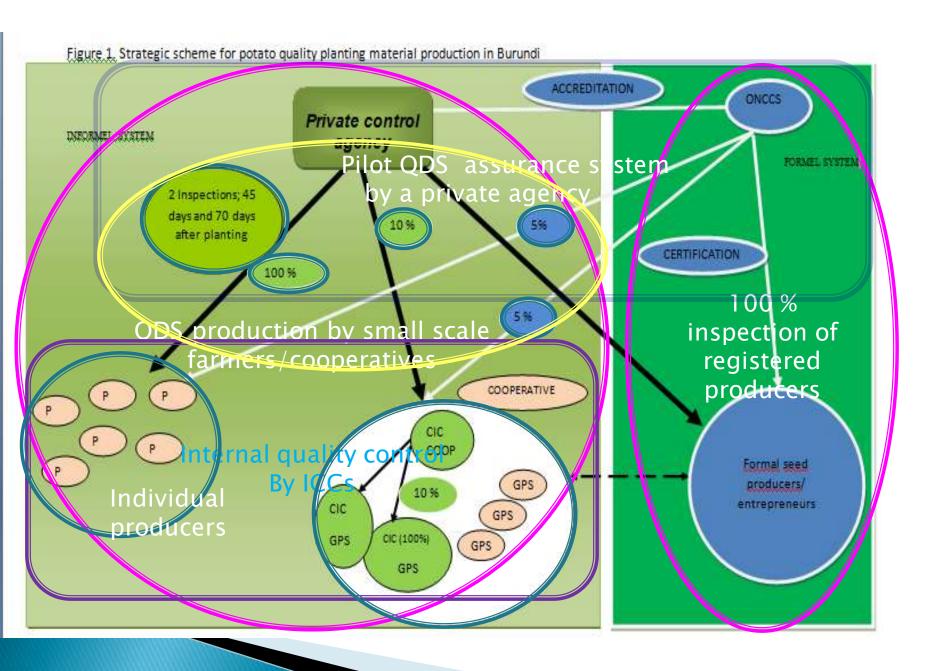
Initiatives de sécurisation de la qualité semencière;



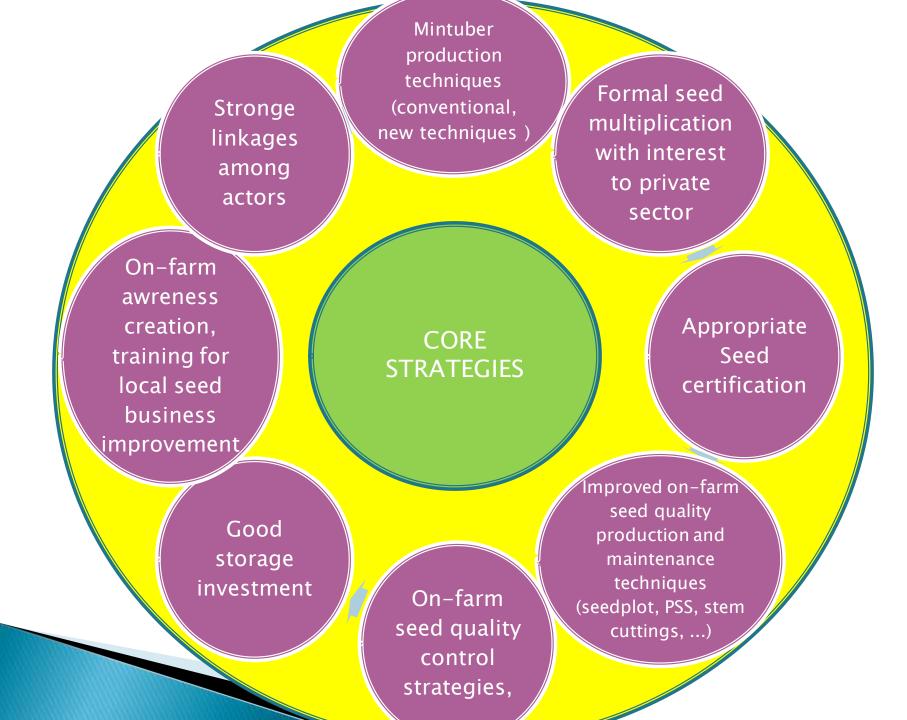




4. Inclusive quality assurance stratégies



5. Recommendations and conclusion



Conclusion

- An inclusive seed system could improve quality production, distribution, use, and profitability for farmers.
- Prominent rapid multiplication technologies that are munituber production from *invitro* plantlets, *in vitro* based on-farm stem cuttings, seedplot technique, positive seed selection and a vibrant on-farm knowledge dissemination scheme can provide needed capacity to broaden adoption of quality seed production and accelerate small scale income generation.
- Better integration of research and extension systems into the value chain, as well as farmer training schemes in seed management and storage, can highly contribute to the sustainable availability of agricultural inputs such as quality seeds.

Développement technologies et innovations











THANK YOU FOR YOU ATTENTION