

Uganda MorePork II project – results and achievements



Ben Lukuyu and Emily Ouma

Uganda MorePork Project Virtual Stakeholder Meeting 11 October 2021









Project goal

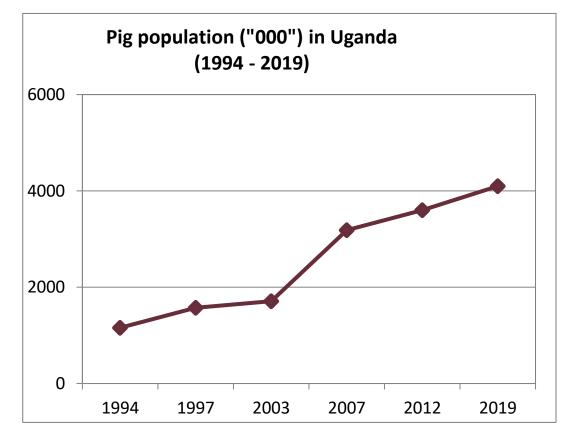
To improve incomes of pig value chain actors through marketing arrangements and sustainable integrated technology package in Uganda





Our Journey

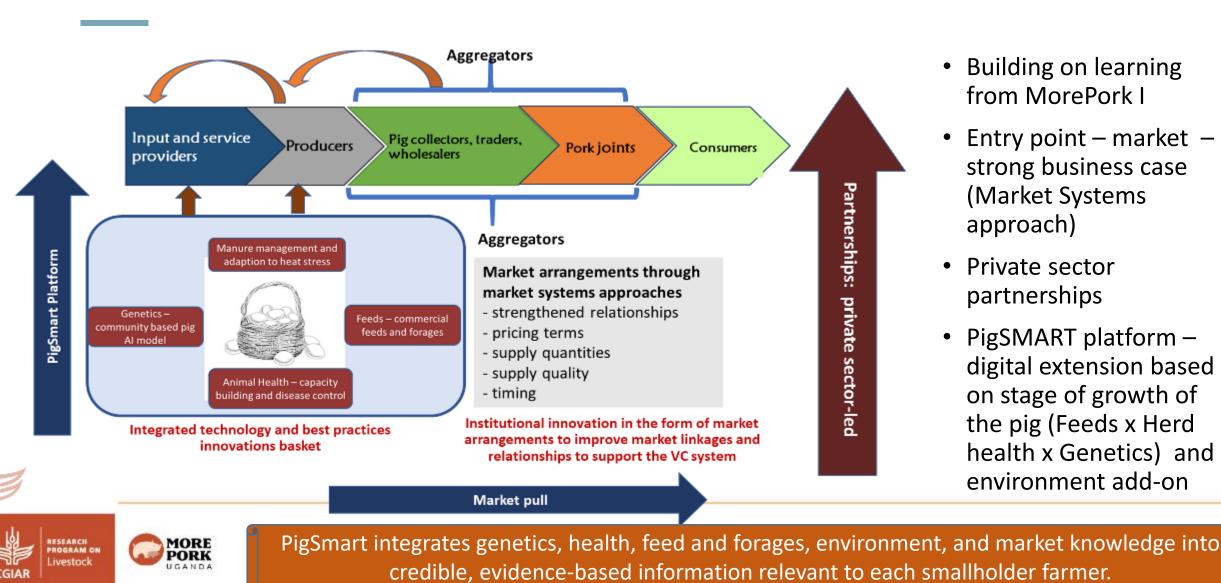
- A neglected sector, demand for pork on the rise increase in population
- Pig value chain actors and stakeholders lacked voice to advocate for the sector
- From 2012 CRP Livestock started implementing MorePork project
- MorePork I
 - Diagnostic studies to identify constraints and opportunities in the pork value chains
 - Pilot testing of interventions to address identified constraints
 - Building partnerships



Source: Uganda Bureau of Statistics and Assam Livestock Census

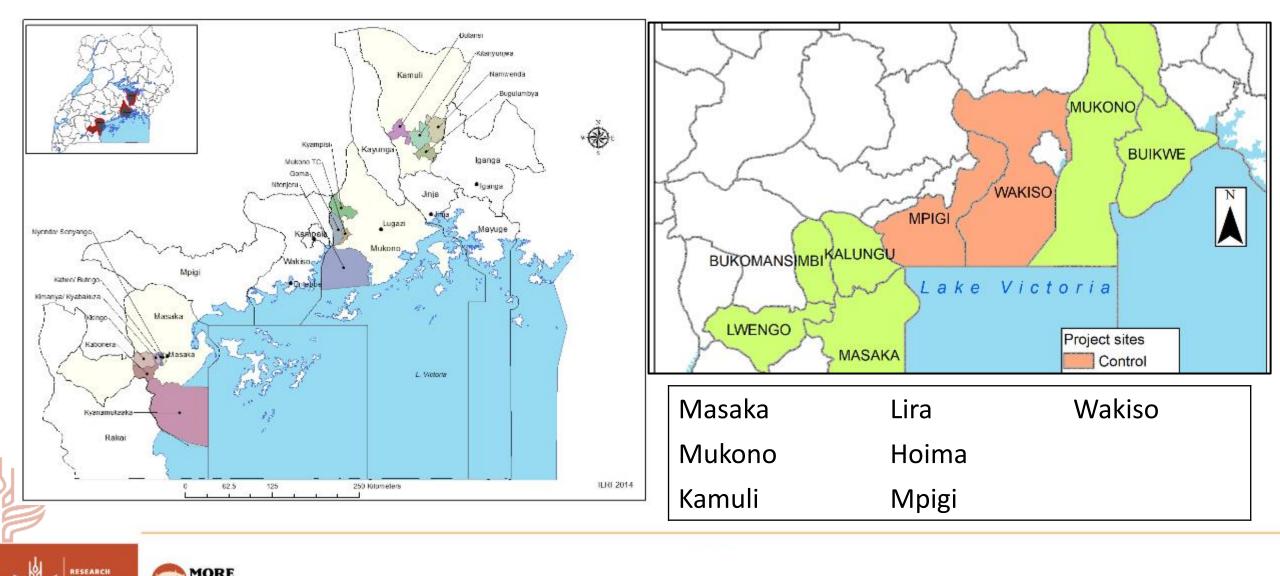


An integrated package – MorePork II



- Building on learning ٠ from MorePork I
- Entry point – market – strong business case (Market Systems approach)
- Private sector ulletpartnerships
- PigSMART platform • digital extension based on stage of growth of the pig (Feeds x Herd health x Genetics) and environment add-on

MorePork project districts



RESEARCH PROGRAM ON Livestock

CGIAR



More meat, milk and eggs by and for the poor

Achievements





Uganda's pig value chain now more visible and better understood

- Uganda's pork sector is visible on the national agenda
 - The program has identified the policy gaps and catalyzed government interest in filling those gaps
- Partners and project researchers involved in packaging and implementing interventions thereby catalyzing ownership
 - $\,\circ\,$ Includes evidence-based training and capacity building
- Constraints, opportunities and best-bets in the value chain now better understood
 - \odot Scientific papers in peer reviewed journals
 - Research reports, Blog articles, fact sheets, videos, etc



PPM's involvement in capacity development of pig value chain actors and scaling out of interventions

Christopher Mulindwa Pig Production and Marketing, Uganda Uganda Livestock Sector Consultative Meeting, Kampala, 14 March 2017





Platforms for discussing pig VC issues

ESEARCH

ROGRAM OF

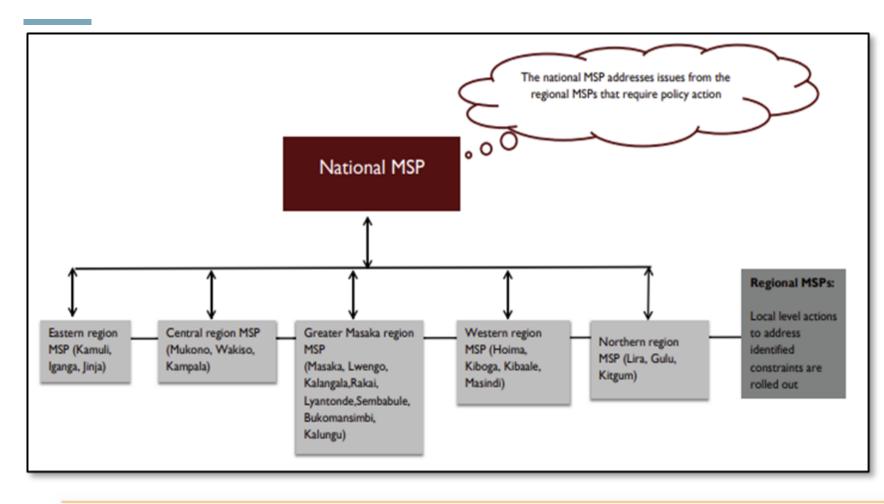
ivestock

CGIAR

MORE

PORK

UGANDA



- Alliances comprising multiple stakeholders
- Conversations on actions for improving the sector
- Led to the formation of 3 cooperatives

Integrated partnerships aimed at sustainable PigSmart app package to strengthen pig farmers' productivity and value chain set up.

	Current service solution name	Provider	Format	Purpose	Impact
F	eed calculator	Single Spark	Mobile app	Trains village agents on the best feed formulations for farmers' pigs. It identifies local ingredients for formulations. Farmers with a smart phone can do this themselves.	1,540 pig farmers used it with their village agents
	Gross margin calculator	AgriTech Talk Africa	Gross margin tool	Village agents work with farmers to calculate their farm's input and output costs and discuss how to reduce costs by improving practices or investing more resources.	144 farmers in the Masaka district used it
f	Production, inancial and narket services	EzyAgric / Ako rion Company Ltd	Knowledge hub and e- commerce	Provides village agents with input and product demand reports. To train farmers on our integrated package including feeds and feeding practices, herd health, genetics, heat stress and manure management etc.	Currently being rolled out. So far 225 farmers profiled . 21 audio and 5- minute videos produced to train farmers in their local language.



Training and participation to improve relationships and builds people's capacity within the pig value chain

300 smallholder pig keepers. 244 HH from two districts participated in the scheme. 290 inseminated, and 138 confirmed pregnancies, Worked with, Ultimate Business Strategies, based pig 52 litters born to date. Average litter size of 8 piglets. with 70 pig buyers to facilitate conversations artificial between buyers and farmers, included (AI) program training local government staff who will Developed a biosecurity manual with local champion this into the future. vets, focusing on African Swine Flu and Involved **30 pig buyers** in continuing training on arrangement for parasites, and tested it on 1000 farms in smallholder pig buyers conversations with farmers central and northern Uganda. Manual shared with DVOs for further training of staff and (i) Input and service provider, farmers Technical training for **87 feed producers**, (ii) For pig feed training manual produced, 40 feed producers and millers trained on PigSmart feed (iii) Pig buyers calculator Piloted and Holistic herd Trained village agents to work with health. including Worked with the Swedish University of Agricultural training and feeding and farmers using the PigSmart app—more Sciences training five vets and sending them for certification husbandry, business model access to drugs than 1500 farmers have used the feed more capacity development. for feed millers and deworming. calculator Held a workshop with 22 farmers, veterinary officers, consultants and farmers to validate resilience, water Trained 30 Ugandan women and 30 youth champions in climate research results use and heat resilience and water sustainability, including methods for helping pigs with heat stress Engaged the firm Enterprise Uganda to train 30 women and 30 youth in business development RESEARCH MORE ROGRAM OF PORK and management vestock UGANDA

Collaborated with Vetline Services and Makerere University to train

Lessons – strategies for increasing chances of delivering impact

- Involving the private sector in designing interventions
- Considering early on how we might scale up interventions
- Establishing early partnerships with both local and central government
- Linking people in the pig value chain with financial services to help their businesses grow
- Identifying policies and legal frameworks that can further support the pig value chain
- Identifying the right government people to work with to drive policy change







Acknowledgments

Local partners: MorePork I

- Public sector: MAAIF, NAADS, district local governments of Kamuli, Masaka, Mukono, Hoima & Lira, KCCA
- Research/education institutions: NARO, NaLIRRI, Makerere University (COVAB, CAES, CNS), SLU, Gulu University, NAGRC&DB
- NGOs: VEDCO, SNV, Veterinarians Without Borders, Enterprise Uganda, Iowa State University, Uganda pogram,
- Private sector: BRAC, PPM, Agro-Empowerment Center, Union of Pig Coops of Greater Masaka, Wambizzi Coop., Greenfields Uganda Ltd., OrgaFarms (on Indigenous Micro Organisms), Devenish Nutrition Ltd.

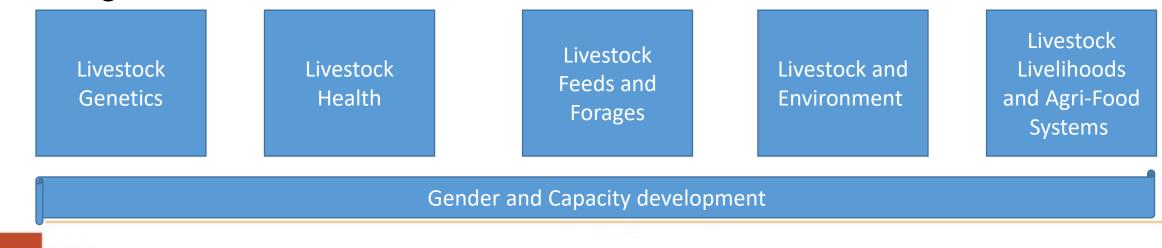
Local partners: MorePork II

- Public sector: Office of the Prime Minister, Ministry of Agriculture, Animal Industry and Fisheries (MAAIF), The Ministry of Water and Environment (MWE), District local Governments of Mukono, Masaka, Mpigi, and Wakiso, Kampala Capital City Authority (KCCA), Uganda National Bureau of Standard (UNBS)
- Research/Education institutions: National Livestock Research Institute (NaLIRRI), Makerere University, Gulu University, NAGRC&DB
- NGOs: SNV, Enterprise Uganda
- Private sector: Vetline Services, Single Spark Uganda, Akorion Ltd, AgriTeck Talk Ltd, Ultimate Business Strategies, Feed millers, Masaka Pig Aggregators Association, Greater Masaka Cooperative Union, Mukono Animal Farm Investment (MAFI)



Project team

- MorePork II is led by International Livestock Research Institute (ILRI) and implemented in partnership with the Alliance of Bioversity International and CIAT; the Swedish University of Agricultural Sciences, and Royal Tropical Institute (KIT).
- The program builds upon 10 years of livestock research for development and integrates interventions from the following Livestock CRP flagships and crosscutting teams:





Funding

- MorePork 1 project: Funded EC-IFAD 2011 2013: *Catalysing the emerging smallholder pig value chains in Uganda to increase rural incomes and assets.*
- MorePork I project: Funded by Irish Aid 2014-2017: "More pork by and for the poor: Catalysing emerging smallholder pig value chains in Uganda for food security and poverty reduction".
- MorePork II: Funded by The Livestock CGIAR Research program 2019-2021: "Improving pig productivity, incomes, and pork safety through an environmentally sustainable and gender inclusive integrated intervention package".



Other contributing projects

- MorePork 1 project:
 - Safe Food Fair Food: Risk-based approaches to improving food safety and market access in informal markets in sub–Saharan Africa (ILRI - GIZ / A4NH CRP): 2012 - 2015
 - mPig: Mobile SMS learning for pigs An innovative information sharing platform for smallholder pig value chain actors (ILRI /GIZ): ended 2016
 - USAID Linkage fund Use of cell phone technology to enhance disease diagnostics (ASF, Brucella, Trypanosomosis), 2015 2016.
- MorePork II:
 - Uganda Pig genetics project funded by Austrian Development Agency: 2017-2021





CGIAR Research Program on Livestock

The program thanks all donors and organizations which globally support its work through their contributions to the CGIAR system

The **CGIAR Research Program on Livestock** aims to increase the productivity and profitability of livestock agri-food systems in sustainable ways, making meat, milk and eggs more available and affordable across the developing world.

livestock.cgiar.org





This presentation is licensed for use under the Creative Commons Attribution 4.0 International Licence.

