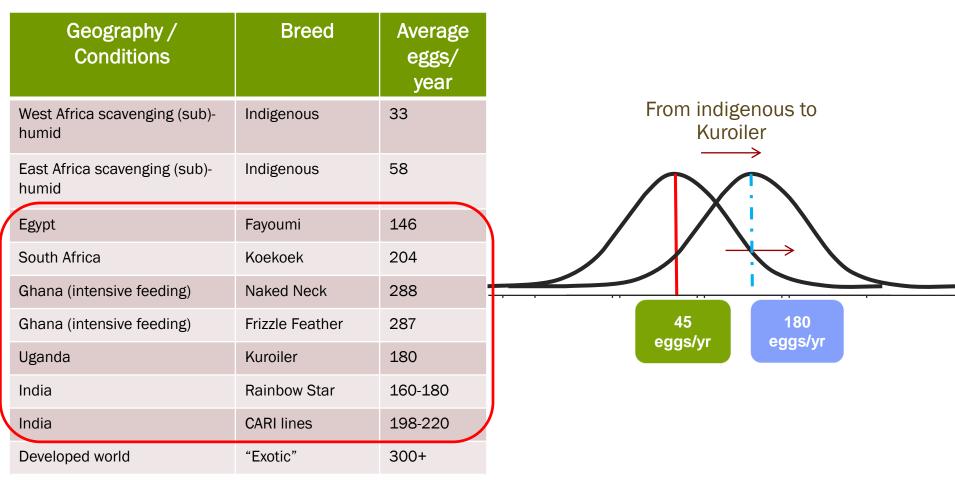
Increasing productivity of chickens through the African Chicken Genetic Gains (ACGG) project

Technologies, Platforms and Partnerships in Support of the African Agricultural Science Agenda, Abidjan, Cote d'Ivoire, 4-5 April 2017





What is the science?-How we got here



-

Source: Mwacharo et al 2008; Dessie et al 2011

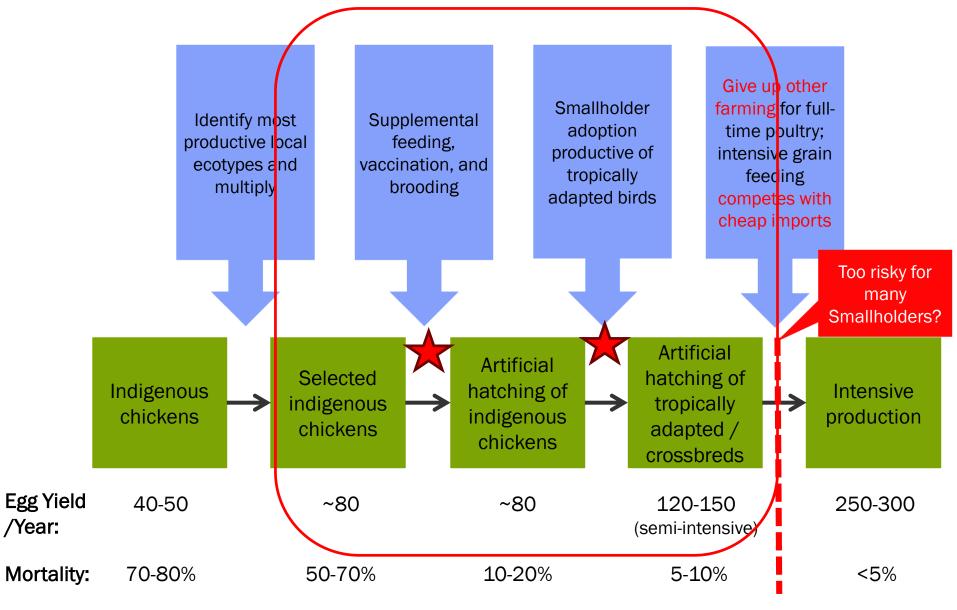


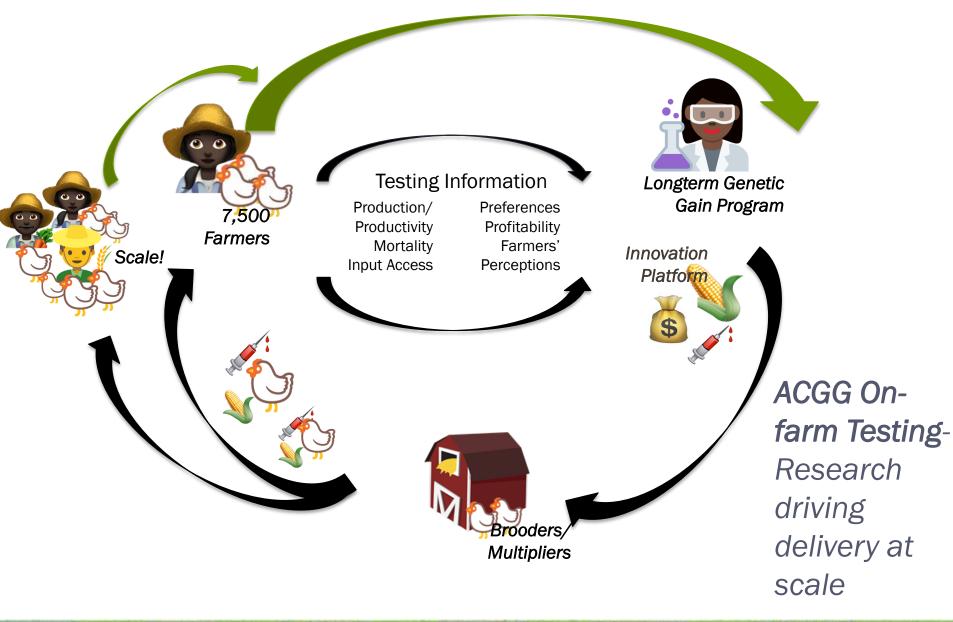




Table. Relative contributions of the industrial and smallholder poultry sectors to total poultry production under different interventions to 2030

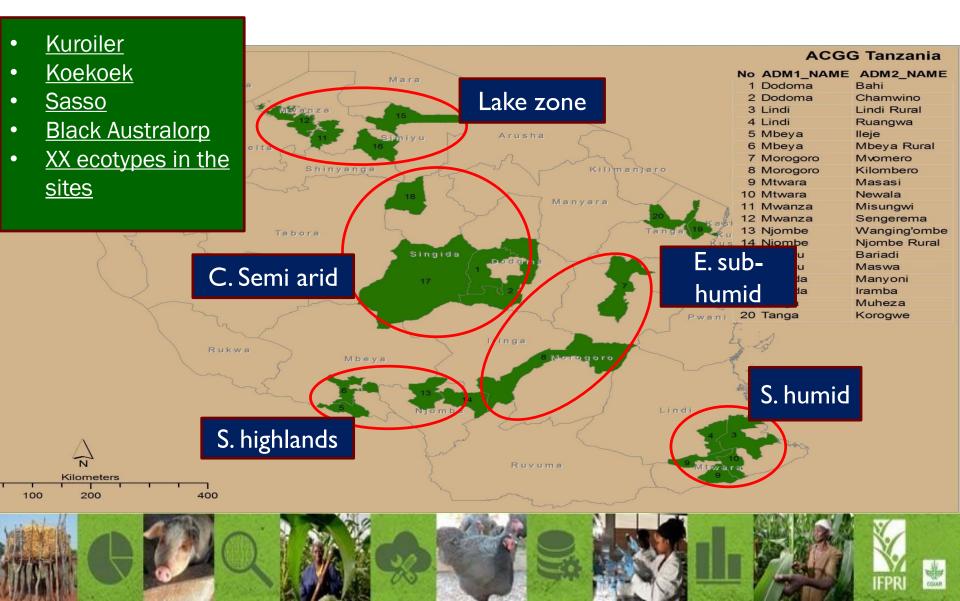
Ethiopia	poultry meat		eggs	eggs	
	industrial	smallholder	industrial	smallholder	
2030 base	0.42	0.58	0.42	0.58	
ource: Herrero et al. 2016					
	0				

So





Is there evidence of likely impact of successful technology/product adoption?-The case of Tanzania





ACGG Targeted Beneficiaries

- The case for poultry- Evidence that the contribution of poultry keeping to livelihoods is comparable to that of livestock
- Genetic potential and profitability- ~94% of ACGG farmers practiced supplementary feeding prior to being engaged in the study

Preliminary Findings

- Production objectives- Meat consumption and live sale
- Trait preferences- high egg production, less illness, large body size and weight

















What is required for success?

Germplasm testing, data Day-to-day collection, storage and management of the genetic evaluation of lines, genetic gains work; feedback and quality Multiply and sell parent assurance. stock and GPS to **Private** hatcheries; sector National Maintain parent stock; breeding Agricultura Multiply and distribute Negotiate the IP companies **I** Research commercial and access to the ILRI – in the System germplasms to mother preferred strains; **Overall** units and/or farmers at (NARS) program Design and coordinati scale coordinate the countries on of the LTGG program; Capacity ٠ program assessment/qap analysis in the The platform private/public Provide technical members (ILRI, sector partners; backstopping in the WUR, etc) and design of the LTGG, Context specific program-data capture, capacity building genetic evaluation, and capacity building

Next Steps

- Continued strain selection and improvement
- Further private sector engagement
- Deeper engagement of input suppliers across the value chain
- Strengthening and contextualizing the Longterm Genetic Gains Program in each target geography
- Upscaling!





Questions?

cour

IFP