



Farmer Preferred and More Productive Chickens for Africa's Smallholders

The Challenge

- Lack of long-term chicken genetic improvement schemes (sourcing, multiplication and delivery) of farmer/women preferred, productive and adaptive breeds
- A need to forge public-private partnerships across countries: *private companies lead parent production and distribution, while the public sector regulates*

203
on-farm villages enrolled

3,665
households surveyed

5,859
households enrolled

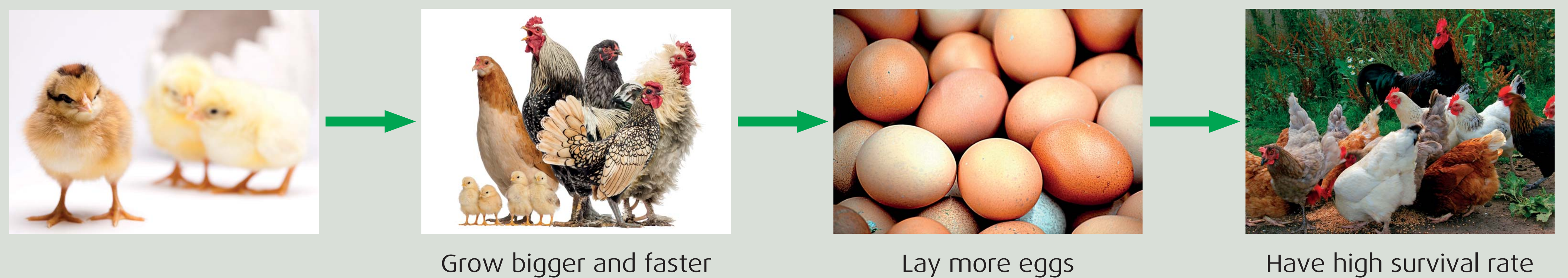
indigenous strains
15
218,600
birds tested

10
improved strains
6
on-station testing sites

Development Goals— Evidence-based Solutions

- Generation of baseline information for smallholder poultry systems in Africa
- Data driven and evidence based approach to identify farmer preferred and more productive chicken strains
- Nurturing national and village-level innovation platforms to co-create solutions
- Establish strong partnership among stakeholders
- Impact at household level nutrition is being studied by the Agriculture to Nutrition project

Breeding goals of smallholder chicken farmers in sub-Saharan Africa—output of African Chicken Genetic Gains baseline survey



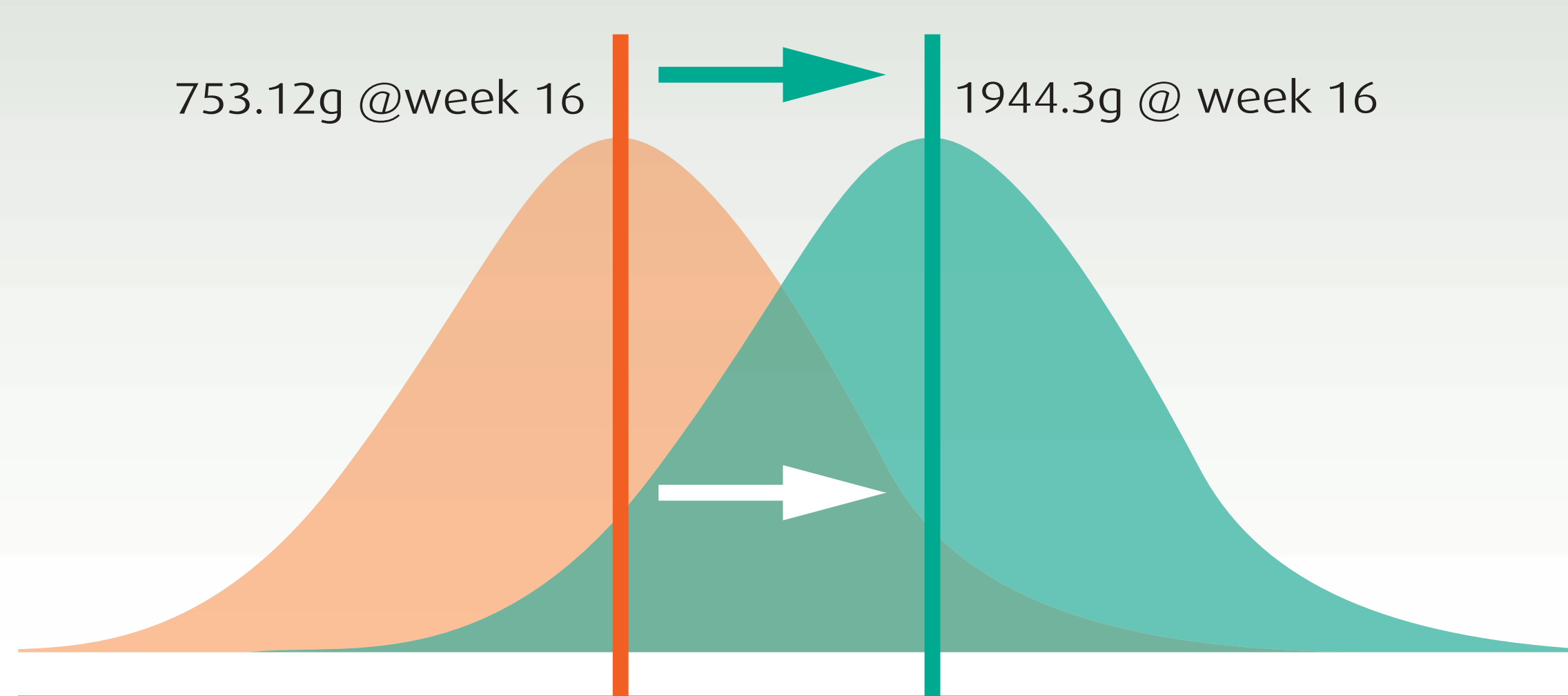
Results and Evidence

- Baseline information on smallholder poultry systems in Africa available
- **Tropically-adapted and more productive chicken strains** suitable to the needs of smallholder farmers identified
- Data generated to help design and implement long-term chicken improvement programs and nutrition-sensitive agricultural interventions
- National and community level innovation

On station live body weight of indigenous and tropically adapted and more productive chicken strains at 16 weeks of age at FUNAAB, Nigeria

Strain	Mean live body weight of male chickens (@16-week age, in grams)
Indigenous	753.12
Kuroiler	2392.8
Sasso	2397.4
Fulani	1237.5
FUNAAB Alpha	1832.5
Noiler	2345.8

The shift in productivity level from indigenous to tropically adapted and more productive chicken strains breeding



Multiplier Effects of the Project

- Partnerships with farmers, the nationals agricultural research systems, poultry breeders, NGOs, universities, small businesses and agricultural ministries to improve access to poultry inputs, health services and the market
- Opportunities are attractive to other value chain actors
- National and community-level innovation platforms ensuring the sustainability of the work
- Public-private sector network within Africa supporting the profitable and sustainable supply of farmer-preferred chicken genetics to millions of farm households
- Farmer-preferred and more productive strains identified to be scaled-up in similar agro-ecologies in sub-Saharan Africa
- Generated data/knowledge informing future poultry breeding programs in low and medium input systems to help integrate nutrition-sensitive interventions into agricultural projects

Data to March 2018



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achievements to date

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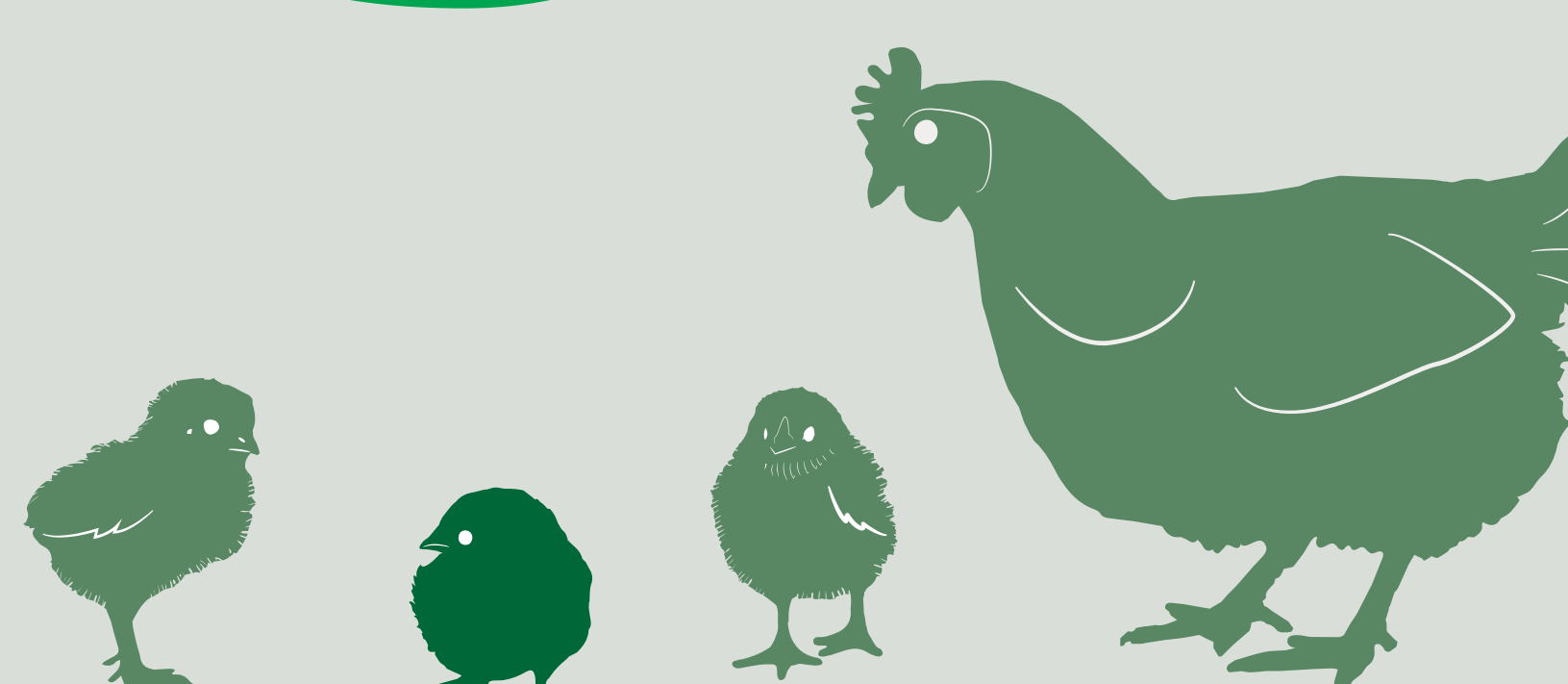


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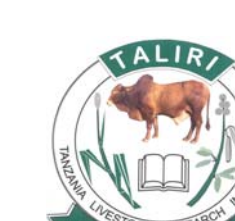


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