

Low-Cost Cage and Free-Range Containment

Safeguarding Chickens and reducing Costs



The technology is a movable chicken house that lets chickens roam freely during the day and return to safety at night. It's affordable, easy to move, and made from basic materials. Proper maintenance and predator protection are essential for its effectiveness, making it a practical solution for chicken farming.

This technology is **TAAT1 validated**.

8·9

 Scaling readiness: idea maturity 8/9; level of use 9/9

Project adoption 1
 Technology integrated in the ENSURE project.

Inclusion assessment **4**

Climate impact **5**

Problem

- Many small farmers can't afford expensive chicken houses.
- Chickens are sometimes kept in crowded and uncomfortable spaces.
- Predators and bad weather can harm chickens.
- Farmers want to meet the demand for free-range and organic chickens.
- Pests and diseases build up in one spot if chickens stay in the same place for too long.

Solution

- Affordable movable houses for chickens.
- Gives chickens space to roam and find their own food.
- Keeps chickens safe from predators and bad weather.
- Good for the environment and the farm.
- Easy to clean and take care of.

Key points to design your program

This technology promotes low-cost movable poultry housing that combines secure night-time protection with free-range production to improve poultry productivity and farm profitability. It can be integrated into poultry value chain development, food security, climate-smart agriculture, organic agriculture, rural livelihood, and youth and women entrepreneurship programmes. By reducing feed costs through natural foraging, protecting birds from predators and disease, and improving manure recycling, the technology strengthens resilient and sustainable poultry production systems. It supports SDGs 1 (No Poverty), 2 (Zero Hunger), 3 (Good Health and Well-being), 8 (Decent Work and Economic Growth), 13 (Climate Action), 15 (Life on Land), and 17 (Partnerships for the Goals).

To successfully integrate this technology, consider the following key actions:

- Identify poultry production areas where affordable housing and improved flock management can significantly increase productivity and profitability.
- Establish partnerships with ILRI, livestock institutions, veterinary services, extension services, producer organizations, and local artisans to strengthen free-range poultry production systems.
- Strengthen technical capacity on movable housing construction, poultry husbandry, flock health, biosecurity, pen rotation, and integrated production management while supporting demonstration farms and farmer learning activities.
- Monitor poultry survival, production costs, enterprise profitability, manure utilization, technology adoption, and programme outcomes.

International Livestock Research Institute (ILRI)
Adeniyi Adediran

Technology from
ProPAS

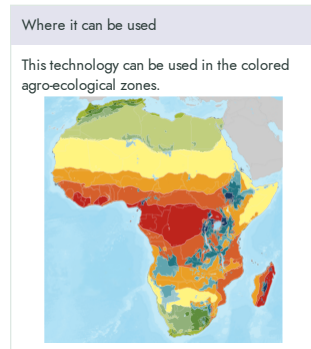
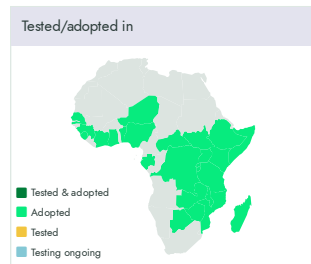
Commodities
Poultry

Sustainable Development Goals

2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	8 DECENT WORK AND ECONOMIC GROWTH
13 CLIMATE ACTION	15 LIFE ON LAND	17 PARTNERSHIPS FOR THE GOALS

Categories
Production, Equipment, Production System

Best used with
Biosecurity for Disease Prevention
See all 1 technologies online



Target groups

2.0—2.5 Kg Weight of mature meat chickens in 6 weeks	20 m² floor space for 100 birds.	IP Open source / open access
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<https://taat.africa/gop>

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