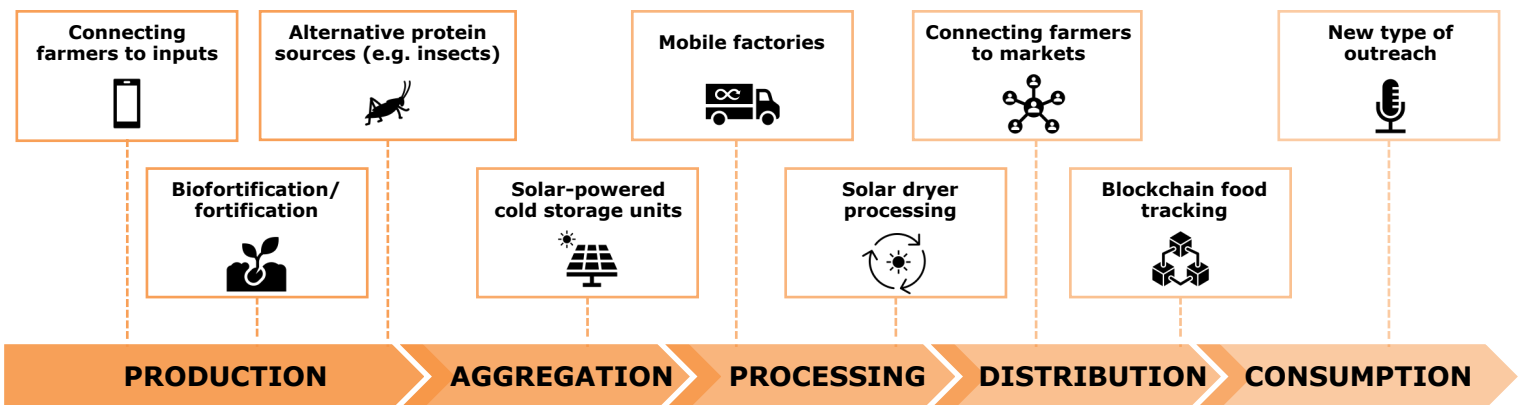


ACCELERATING INNOVATION TO PREVENT CHRONIC MALNUTRITION

Innovation can make the standard interventions **more efficient and accelerate** the process, while ensuring no one is left behind.

UNITLIFE is calling businesses and development aid agencies to join the scale-up of innovative approaches **along the food supply chain** that can accelerate the eradication of chronic malnutrition. Examples:



FOOD INNOVATION

Biofortification

- Breeding seed parents with desirable traits, e.g. drought tolerance, high yield to develop high-micronutrient biofortified child varieties.

Fortification

- Adding essential micronutrients (iron, vitamin A, zinc, etc) to foods. One of the top 3 international development interventions based on cost-benefit analysis: \$1 invested in fortification generates \$27 in economic return.

Alternative sources of protein

- Many non traditional sources of protein, such as insects, are also rich in micronutrients. E.g. beef contains 3mg of iron per 100g, whereas locusts contain up to 20mg of iron per 100g.

CLIMATE-SMART INNOVATION

Solar-powered cold storage units

- Cold storage units powered by solar energy for perishable foods, reducing post-harvest food loss, which accounts for 45%+ of all perishable foods going to waste in developing countries.

Mobile factories

- Fully-equipped trucks serving as mobile food processing units. They are equipped for production of juices, flours, or pickles and can move across rural areas where access to processing technologies is limited.

TECHNOLOGICAL SOLUTIONS

Solar dryer-processing

- Used to dry foods (mangos, potatoes, etc) for effective nutrient preservation. Such products also have a longer self-life, allowing people in rural areas to access nutrient-rich foods that last longer.

Connecting farmers to markets

- Trading mobile platform connecting small-holder farmers in rural areas to buyers in cities, thereby increasing access to markets, meaning more income and thus ability to buy/grow nutritious food.

Blockchain for food tracking

- Smallholder farmers can be connected to international markets by tracking the journey of their seeds and receiving money directly from vendors on their phone wallets, thus allowing for transparency and financial empowerment.

Connecting farmers to inputs

- Mobile app and website allowing farmers to find nearby sellers of certified biofortified seeds, thus helping to strengthen the biofortified seed system.

NEW TYPE OF OUTREACH

Entertaining means (radio / tv programs, boardgames, engagement online platforms with content to inspire and educate youth / women on good nutrition, etc.)