iDE Mozambique designed FRRI to address the post-Idai threats in the short and long term by supporting emergency relief efforts and rebuilding of infrastructure, markets and value chains.

The scenario in Mozambique was characterized by:

- A strong emergency response supplying shelters and relief distribution points with high protein foods, grains, clothes, etc.
- Demand for a network of change agents that can aid in reconstruction and delivery of aid to rural communities.
- A need for resilient supply chains that will bring food security to the region as a whole, thus re-establishing the livelihoods of thousands of last mile smallholder farmers.
### March 2019: Cyclone Idai

- 192 Lead Farmer serving as ToTs trained
- 302 Farmer Field Schools established
- 12,755 smallholders trained on climate smart agriculture
- 149 smallholders participated in financial literacy trainings
- 12,000 smallholder received vouchers for the first cycle of ITTFs
- ~$530,000 directly injected into the last-mile private sector through ITTFs
- 37 local commercial input suppliers participated in the first cycle of ITTFs
- 6 rural WASH entrepreneurs and 128 Farm Business Advisors serving communities

### March 2020: COVID-19

- 302 to 131 FFS for the vegetable cropping season
- Target to train 15,000 smallholders reduced to 3,557
- 60% reduction in planned number of FFS
- 76% reduction in target number of participants
- 30% - 50% decrease in FBA business activity
- Increase in transport costs
- Decrease in:
  - Buyers' demands (hotels, restaurants, aggregators, retailers)
  - Access and volume of supply limited transport costs have spiked up.
Input Trade & Technology Fairs

13 ITTFs in Manica & Sofala
+/- 34,000,000 MZN injected into the local economy

37 Input Suppliers
12,000 beneficiaires
6,227 female led households
5,773 male led households

March 2020: Subsequent ITTF rescheduled – COVID19
Repairing the Supply Chain

1. Need to leverage digital tools for enhanced information flow to farmers, for B2B transactions.

1. Need to integrate and enhance virtual and physical extension services.
Digitalizing the Last-mile

- Smartphones
- Solar rechargers
- Mini-videos
- Rural Hotspot and Local Cloud Technology
1. Understanding the Market: MSRI

- Adapting the iDE MSRI from a mostly adaptive management tool to a wider quantitative measure of the market system’s effectiveness.
- Iteratively testing the connections between our tailored farmer field schools and FBAs, and the subsequent effect that this approach has on ensuring buy-in from private sector actors in last-mile distribution.
- Operational solution: farmbetter

2. Supporting Market Actors: farmbetter

- A mobile phone application that provides tailored recommendations to smallholder farmers based on their location, practices and goals (on and offline).
- Using farmers’ locations and metrics on their farming, the app provides farmers with actionable knowledge on how to adapt to climate change and improve their resilience.
- Online marketplace, connecting SHFs to local private sector actors by leveraging proven rural entrepreneurs.

3. Streamlining the Market: Appload

- Recognizing that last-mile distribution is one of the main challenges for smallholders, iDE is rethinking traditional supply chain management.
- AppLoad is a digital service that connects logistics companies with clients wanting to ship cargo, using an Uber Model.
### Interventions

- Business training
- Personalized coaching
- Input and output market linkages
- Links to FBAs
- Support to repair mini dam
- Access to finance
- Couples FaFB
- Financial education – savings and loans groups (SLG)

### Results

- Serving more than 1,000 producers (from <20), 72% women in 15 communities
- Increased demand volume and buyers
- Increased trade volume from 0.2T to 10T per month
- Increased monthly sales from < USD 50 to ≈ USD 2,000
- Stable livelihoods for her 114-member SLGs (94 women)
- USD 21,000 made available from SLGs in 2019; USD15,500 now
Interventions

- Business training
- Personalized coaching
- Input and output market linkages
- Links to producers
- Links to FBAs
- Access to finance

Results

- Serving more than 1,500 producers from 20 communities, from 50 producers from 5 communities
- Increased trade volume from 6T to 30T per month
- Increased monthly profit from < USD 500 to > USD 2,000
- Reduced time and effort scouting for products after purchasing a new truck
- Supplier to public institutions
**Messi Samuel**

**Interventions**
- Business training
- Personalized coaching
- Input and output market linkages
- Links to FBAs and producers
- Access to finance and production enhancing technologies

**Results**
- Increased trade volume from <500kg to 10T per production cycle (various vegetables)
- Increased monthly profit from USD 150 to > USD 1,000 (vegetables only)
- Works with 15 SHFs and 2 rural FBAs (who work with >100 SHFs each, mostly women)
- Acquired a refrigerated van for deliveries and intends to setup a small vegetable processing center
- Increasing demand = increased area cultivated and crop type produced
Avelina Joaquim

Intervention

- Rope Pump

Results

- Saved labor, more time for productive endeavors
- Backyard garden for family and market
- Improved household nutrition through increased availability of vegetables for domestic consumption
September: Marketing & Field Days (15 private sector)

September: Proven impact using Market Systems Resilience Index (MSRI)

October: Input Trade and Technology Fairs (18,000 HHs)

November: ECPAs and strengthened market systems resilience through improved linkages between SHFs and Commercial Suppliers (450 ECPAs)

December: farmerbetter resilience solution through improved last mile market analysis
Thank you