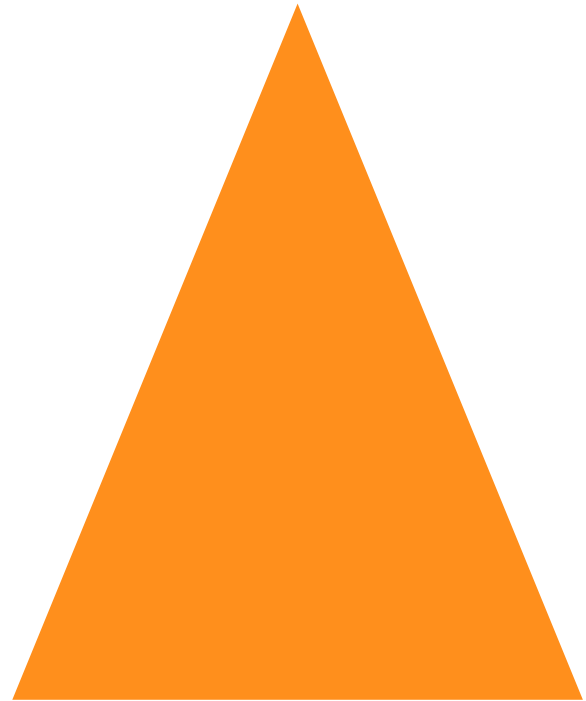# Ebola Recovery and Resilience Program (ERRP)

How one project created a complex electronic beneficiary registration and distribution system using off-the-shelf tools

by Leona Rosenblum

CONTENTS

1. Objectives

2. System Design

3. How Does it Work?

4. Challenges and Lessons Learned

Objectives

01

OBJECTIVES

In May 2015, with the Ebola virus disease epidemic drawing to a close in Liberia, Ebola affected and vulnerable households needed support to get back on their feet.
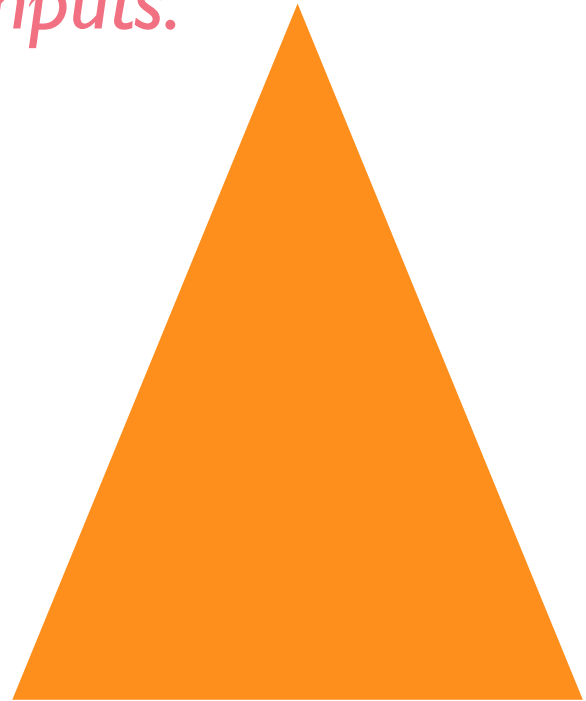
OBJECTIVE

The program was designed both to provide a temporary safety net during the lean season, and improve capacity of households to prepare for the next agricultural production season.

OBJECTIVES

Accomplish this through three inputs:

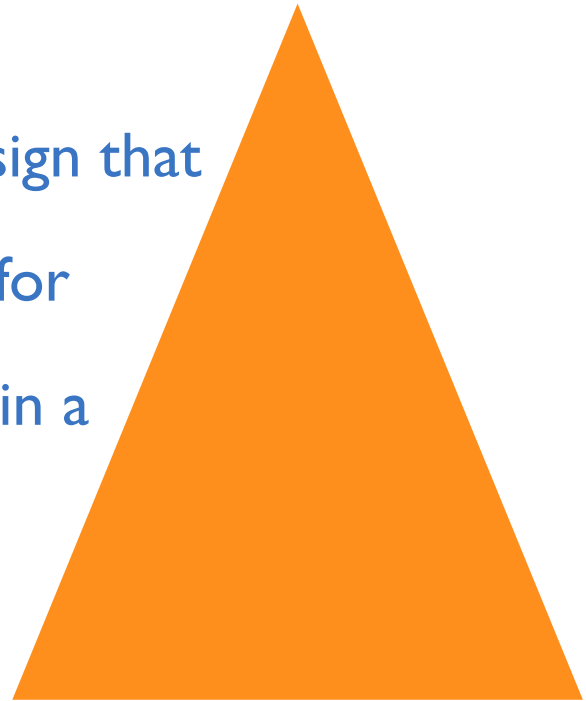- *Agricultural (seed) vouchers*
- *Cash transfers*
- *Cash for work*

SYSTEM DESIGN

02

SYSTEM DESIGN

The need:

An integrated cash transfer system design that captures beneficiary and logistics data for program management and monitoring in a safe, secure, and auditable way.

Cash is a high value commodity, and the risks of leakage are increased when there is room for ambiguity in the system. The best check against fraud is transparency.

Why is this so important?

Fraud.

Why is this of general interest for digital health practitioners?

Managing beneficiary registration and verification as well as tracking cash and mobile money distributions requires a complex set of workflows. But this system leveraged existing tools and linked them together to build a system, instead of developing new software.

HOW DOES IT WORK

03

Step 1:

Mapping distribution points

Ecobank Cash Transfer, Bong and Nimba Regions - Liberia
February 2016, Distribution by Cash Disbursement Points

Step 2: Registration

HOW DOES IT WORK

Step 3:

Distribution

Three types:

-Vouchers

-Mobile Money
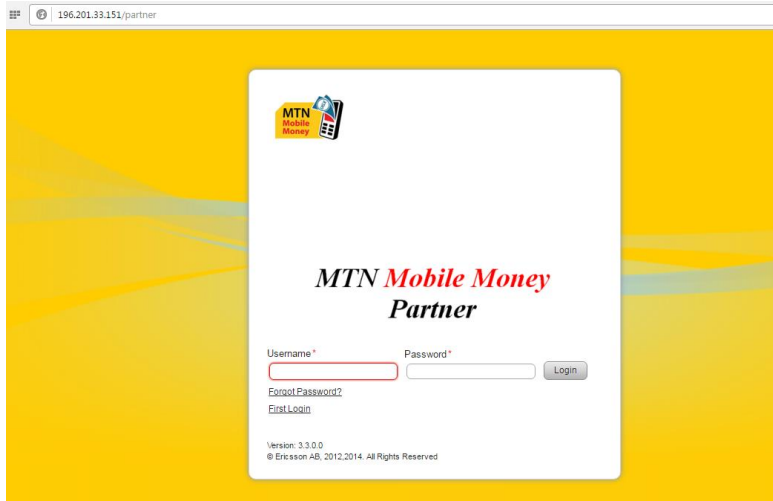
-Cash

HOW DOES IT WORK

Voucher Distribution

HOW DOES IT WORK

Mobile Money

Distribution

4662.5	231880149974 John Sackie	March ERRP Empowerment Payment
4662.5	231880150212 James Karmu	March ERRP Empowerment Payment
4662.5	231880150432 Okasu Kollie	March ERRP Empowerment Payment
4662.5	231880150487 Binda Jutuah	March ERRP Empowerment Payment
4662.5	231880150545 Andrew Paul	March ERRP Empowerment Payment
4662.5	231880150604 Prince Yallah	March ERRP Empowerment Payment
4662.5	231880150916 Isaac Kollie	March ERRP Empowerment Payment
4662.5	231880151210 Wishington Nyepan	March ERRP Empowerment Payment
4662.5	231880151405 Patricia Mayer	March ERRP Empowerment Payment
4662.5	231880151496 Hannah Daniel	March ERRP Empowerment Payment
4662.5	231880151753 Yassa Sam	March ERRP Empowerment Payment
4662.5	231880151903 Lahai Kromah	March ERRP Empowerment Payment
4662.5	231880152320 Mahamman Siayon	March ERRP Empowerment Payment
4662.5	231880152343 George Freeman	March ERRP Empowerment Payment
4662.5	231880152421 Klubah Nuwoe	March ERRP Empowerment Payment
4662.5	231880152494 David Bondo	March ERRP Empowerment Payment
4662.5	231880152517 Nowai Sackie	March ERRP Empowerment Payment
4662.5	231880152687 Mary Jack	March ERRP Empowerment Payment
4662.5	231880153124 Hannah Howe	March ERRP Empowerment Payment
4662.5	2318801532825 atta Flomo	March ERRP Empowerment Payment

Cash

Distributions

HOW DOES IT WORK

Step 4:

Validation

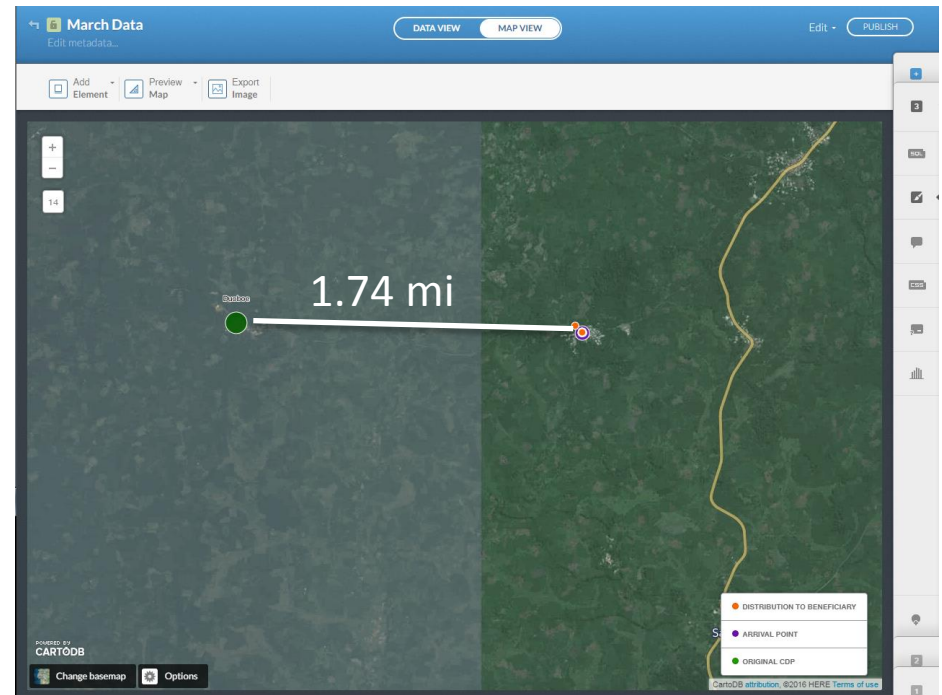# HOW DOES IT WORK
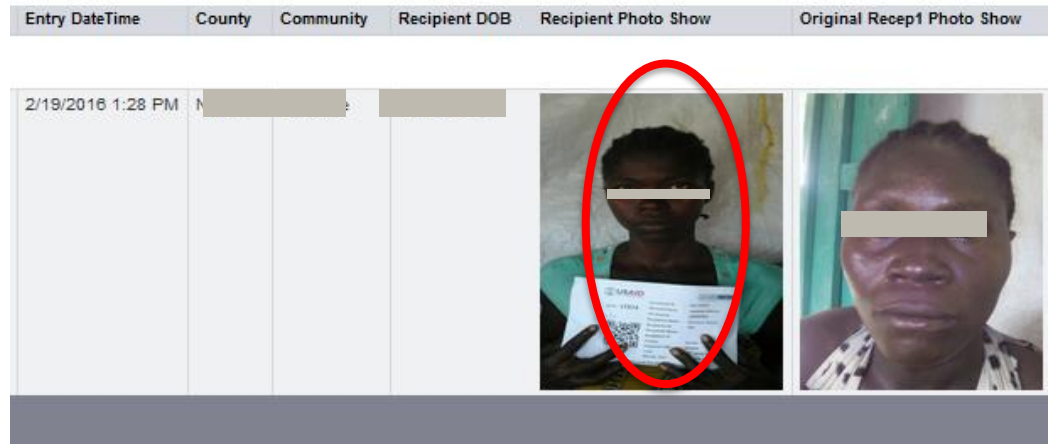
Step 4:

Validation

-Photo
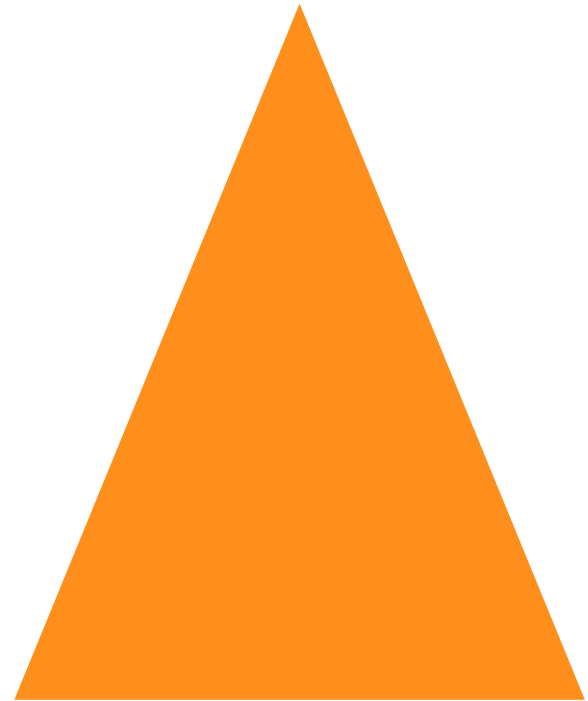
-GPS

-Envelope QR

-Timestamp

-Staff ID

CHALLENGES *AND* LESSONS LEARNED

04

CHALLENGES AND LESSONS LEARNED

It's not perfect, but it works (and it's better than paper!)

- Can't ensure the right beneficiaries are registered, only that registered beneficiaries receive inputs

- Offline work environment means fraud is not caught in real-time

- Pushing existing software beyond its original purpose can lead to some awkward "workaround" workflows

THANK YOU