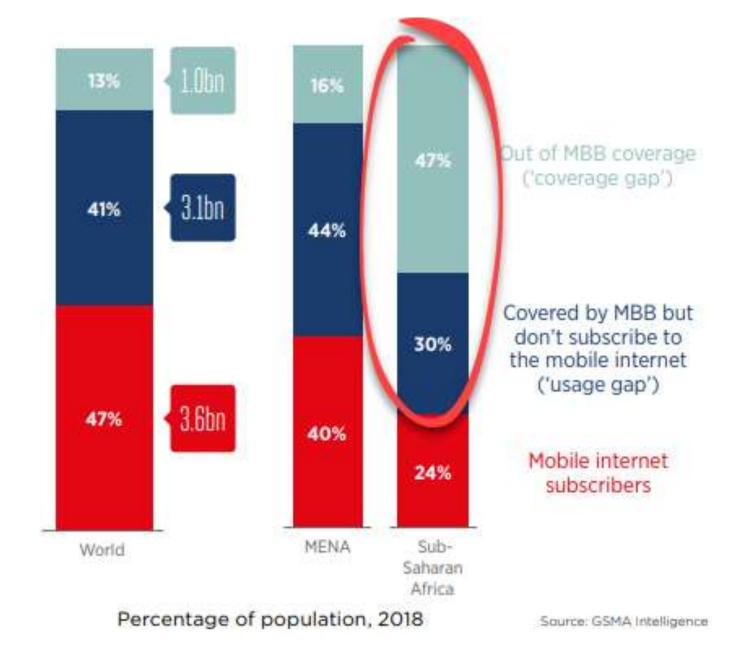


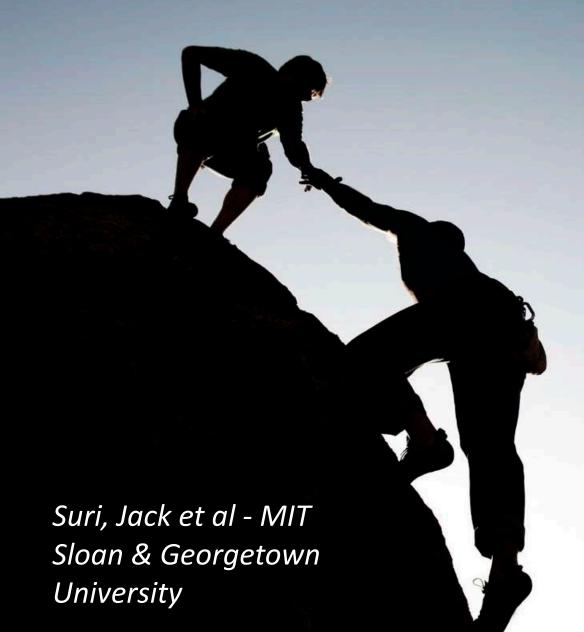
77% of people in Sub-Saharan Africa don't have access to the internet on a phone



It is possible to design a scalable digital service for customers that only have a feature phone





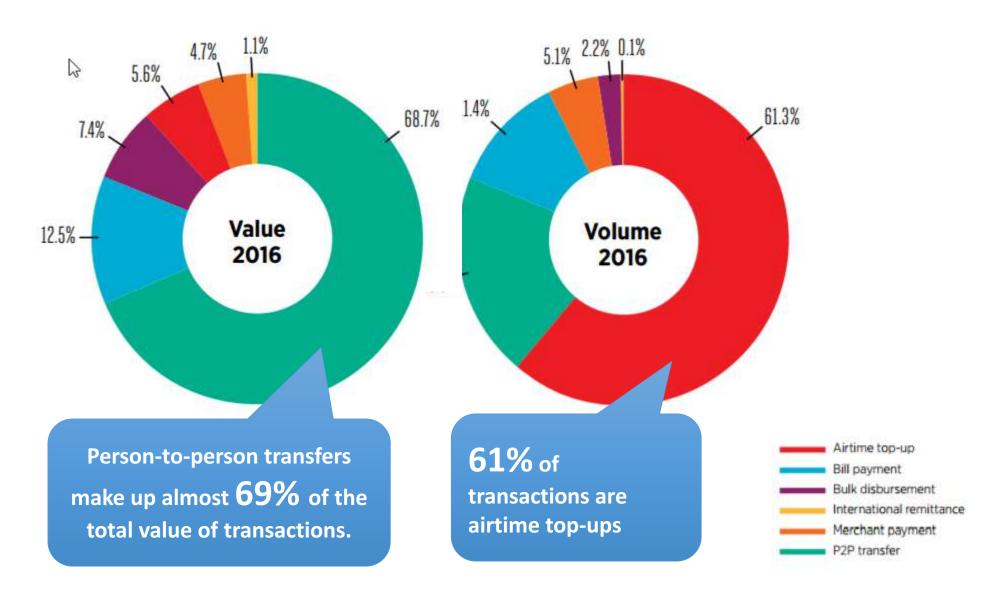


2% of Kenyan households lifted out of extreme poverty

185,000 woman move from farming to business

\$1.75bn paid in commissions to Agents

#### Despite progress in some areas, and some success stories...



Source: GSMA, "2016 State of the Industry Report, Mobile Money", December 2016

#### Customers are dependent on cash still



#### Poor people have underserved needs

scramble

Poor people sometimes need to scramble to make ends meet and deal with emergencies

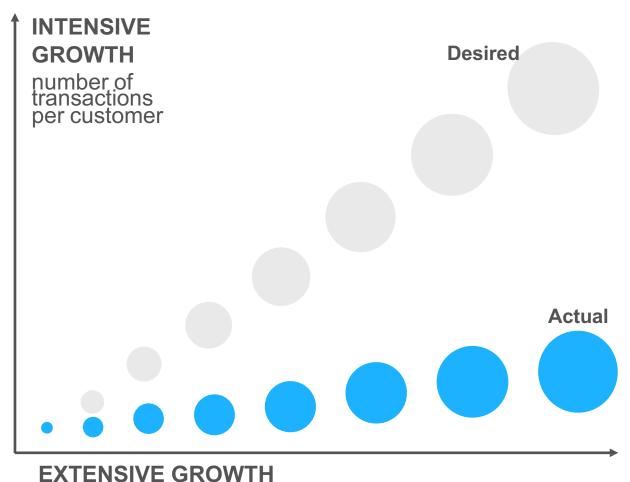
protect

Poor people need to protect their family and their earnings from shocks

aspire

Poor people aspire to a better financial future

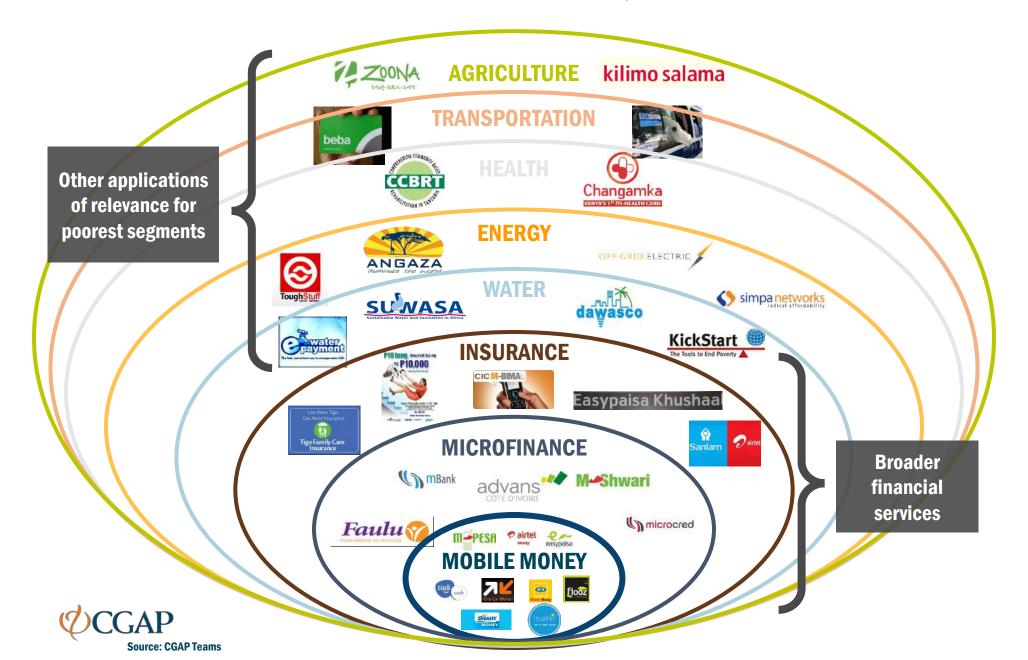
#### How do we achieve higher activity rates?



Without change, low-income customers will likely continue to favor informal solutions to address the majority of their financial challenges

number of customers

#### APIs have started to unlock ecosystem innovation

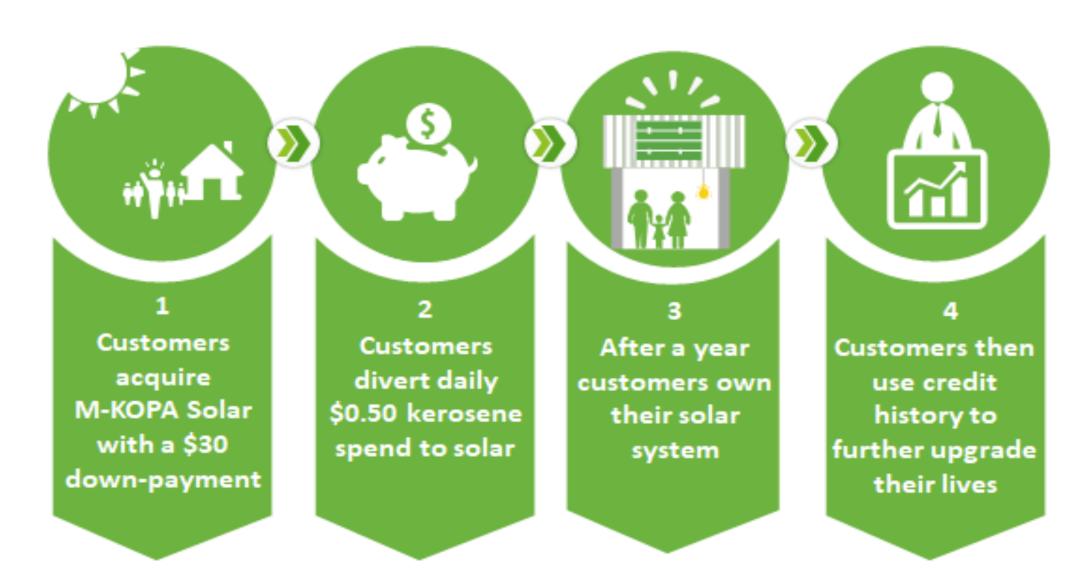






#### 1) M-KOPA Solar

A simple business model based on affordability and progress ...









#### 2) Pula

A farmer buys insurance with his seed

He activates the Insurance at Planting time (Location is Key)

Weather Station Data is Monitored

Payout decisions are made based on weather data

Payout is transferred to the farmer digitally



nagining agricultural insurance to protect smallholders worldwide

"The real challenge was selling insurance"

#### 3) Hello Tractor



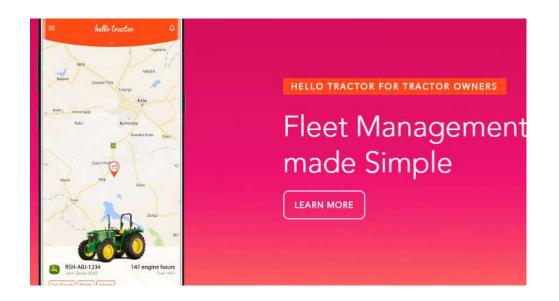
#### It's Like Uber for Tractors, and It Could Change the Game for African Farmers

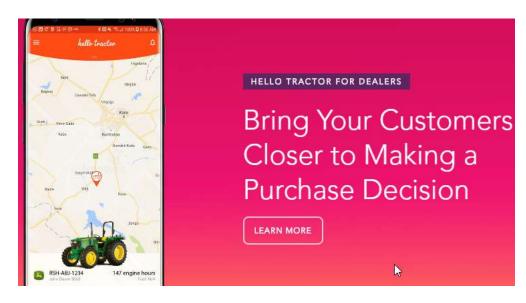
Instead of taking out a high-interest loan to buy machinery, this start-up is connecting locals to farming implements via text message.

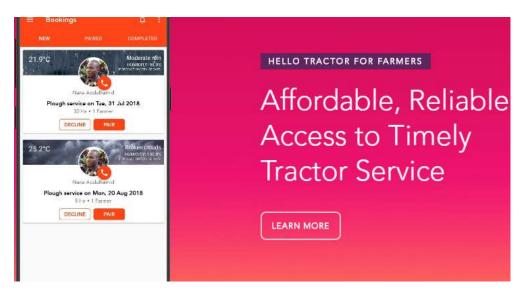


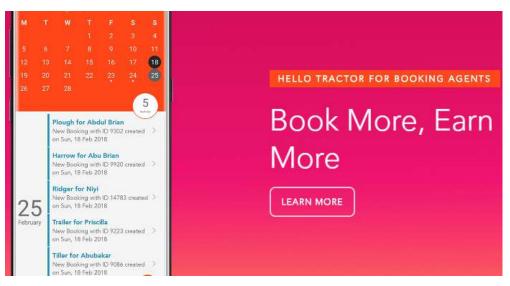
"Farmers need loans to pay for a \$3,500 tractor, but commercial banks in Nigeria charge 30% interest and require repayment within a year, which Oliver likens to paying off a home mortgage in three years!"











"With a new partnership with John Deere, the Nigerian startup Hello Tractor is going to have 10,000 tractors available to make farming more efficient."





## So what's the problem?







Impact takes time, customer empathy and testing



Identity is central - and often missing Smartphones are nascent - and data is not cheap

Payments rails are fragmented, sometimes unreliable and really difficult/ expensive to access

# The reality: this isn't easy at all

Mobile network coverage is often lacking

USSD is basic /expensive and "clunky"

### Lets talk Field Workers









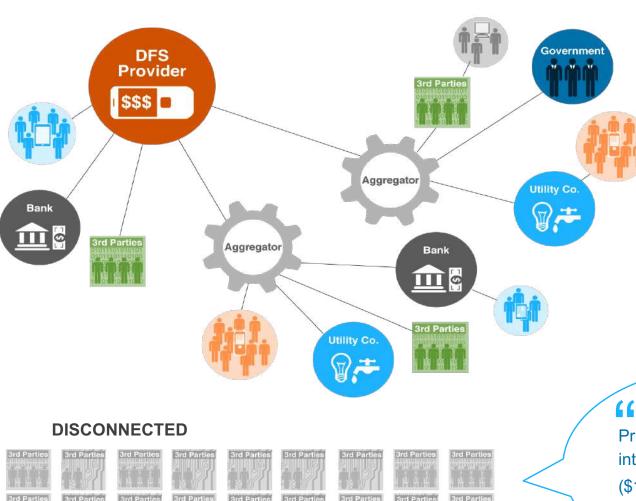






Lets talk Customers

## Partnerships with DFS Providers are a core part of the solutions, but also a huge painpoint



- High & opaque costs
- Long & opaque process
- Lack of clarity on what is available,
   & commercials

6677

Price quoted by providers for integration and API access (\$10,000-100,000) was too high for many smaller companies

Financial inclusion efforts at scale will be hindered, and innovation limited, until we can unlock:

- 1) Cost to Access (for both parties)
- 2) What APIs are available
- 3) Cost to Use



"Setting up a shop on the platform took her a couple of days"

#### Prediction:

Reaching Africa's target demographic in the next 5 years will involve APIs but will retain the human touchpoint at key steps.

APIs done well will help put the right information in the hands of that workforce.

I hope there will be a more efficient way to use that workforce, and identity API thinking is central to that.

APIs done well will help to prototype and try things before committing at volume.

But business model innovation will be essential

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