

Unlocking the Rural Market with User Centered Design MOBILE 360 AFRICA - OCTOBER 2015

### mAgri SRILANKA mAgri PROGRAM



### farmers are skeptical about Geven of the strengt GHANA, MALAWI, SRI LANKA, BANGLADESH, MYANMAR, PAKISTAN GHĂNA

Farmers lack negotiation. power so having the market price doesn't guarantee that they will get it.

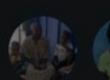


SIMONE

DELA UX expert DIANA UX expert

**VODAFONE + GSMA** 

KARA









**MOBILE 360 AFRICA - OCTOBER 2015** 

PRODUCT DEVELOPMENT



DEVELOPMENT

LAUNCH SUPPORT Farmers use their mobile phones local networks to get price information from many disconned sources that are not necessarily reliable, accurate or local.

INSIGHTS



BACKGROUND

# DOES SHE THINK THE SAME WAY WE THINK?



BACKGROUND

# WHAT SERVICES DOES HE TRUST?



## **Only 25%** of registered farmers on Mobile Agriculture product **use the service more than once**

**USER CENTERED DESIGN** FOR MOBILE AGRICULTURE

## **USER-CENTERED DESIGN CAN ADD** VALUE WHEN DEVELOPING PRODUCTS FOR YOUR CUSTOMERS, ESPECIALLY HARD TO REACH ONES.

like farmers

**HUMAN CENTERED DESIGN** 

# **USER-CENTERED WHAT?**





## It is **NOT** going into a farm for a day of **focus groups with farmers**

## It is **NOT** just marketing and product department's responsibility

**HUMAN-CENTERED DESIGN** 

### **USER-CENTERED DESIGN IS AN INNOVATION PROCESS** IN WHICH END-USER NEEDS, ASPIRATIONS, **AND CONTEXT ARE GIVEN EXTENSIVE ATTENTION AT EACH STAGE** OF THE PRODUCT DEVELOPMENT PROCESS.



## WE KNOW THAT **INVESTMENT IN DESIGN BRINGS RESULTS**

"Over the last 10 years, design-led companies" have maintained significant stock market advantage, outperforming the S&P by an extraordinary



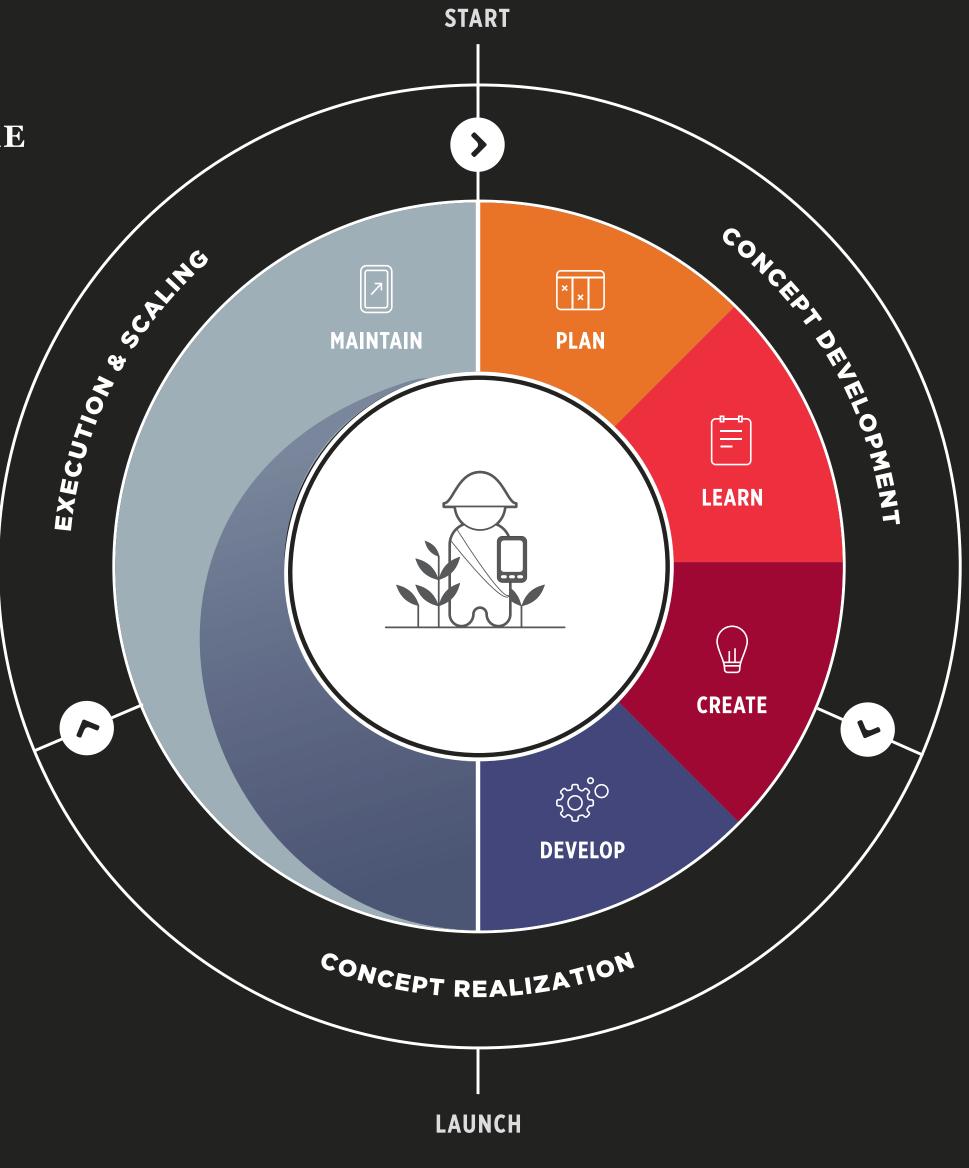
Source: The Design Management Institute and Motiv Strategies Based on comparison of the S&P with a 'Design Index' portfolio of 15 companies that invest heavily in design, including Apple, Intuit, Starbucks and Walt Disney





# SOUNDS COMPLEX? IT'S NOT HARD TO START

#### USER CENTERED DESIGN FOR MOBILE AGRICULTURE



HOW IT WORKS

#### Phases Objectives

××	PLAN	<b>To apply a user-centered process, you need to first align on team setup, existing knowledge, and assumptions.</b> Discuss the overall goal for your mAgri service and how to set up user research to ensure that farmers' voices and their ecosystem are integrated into the mAgri service.
	LEARN	<b>To create meaningful products, you need to be closer</b> <b>to user, market, and context of use.</b> This understanding starts with going out in the field, asking the right questions, and testing hypotheses with farmers to guide you throughout the design process.
Ш.	CREATE	To develop a mAgri concept that is deeply rooted in insights captured in the field, you need to analyze the information collected, and identify the right opportunities for your mAgri service, considering all the diverse voices of the farmers and their ecosystem.
လို့င်္	DEVELOP	To shift from concept to realization, you need to prioritize features and plan how to create value, deliver, and capture it over time. While the product starts to take shape, organize additional validation sessions with the user to make sure you are going in the right direction.
	MAINTAIN	<b>The launch is only the beginning of the journey, not the goal.</b> When the product launches, you need to continuously gather feedback from farmers and the ecosystem to refine and improve the product, looking at all the aspects that shape

#### Tools





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PLAN

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SHIFT FROM CONCEPT TO REALIZATION BY PRIORITIZING FEATURES AND PLANNING HOW TO CREATE VALUE, DELIVER, AND CAPTURE IT OVER

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DEVELOP





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LEARN

































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It is important to engage all the functions in research, so that everyone on the team understands the needs of farmers.

Farming Life Cycle



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RE YOU CREATING AN mAgri SERVICE THAT IS EEPLY ROOTED IN INSIGHTS FROM THE FIELD?

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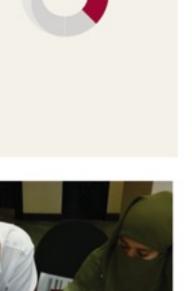
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#### MAINTAIN







### Trust Circle

• • • • • LEARN / ACTIVITY

**UNDERSTAND WHO FARMERS TRUST FOR INFORMATION;** THESE INSIGHTS ARE A FOUNDATION FOR THE MAGRI PRODUCT AND MARKETING AND DISTRIBUTION PLANS LATER.



**TIME** 20 minutes exercise



MATERIALSWorksheetPlayer cards



**COMPLEXITY** Low: basic moderation skills



ROLES

#### LEARN / ACTIVITY

#### **TRUST CIRCLE** INSTRUCTIONS



#### **BUILD YOUR TRUST CIRCLE**

Prepare a set of little cards that represent all the players you identified in the ecosystem (one player per card).

Do not exceed more than eight players or the exercise can become overwhelming.

RECOMMENDATION: IF YOU ARE AT THE BEGINNING OF A LONG FIELD RESEARCH TRIP, YOU MAY CONSIDER LAMINATING THE CARDS TO BETTER PRESERVE THEM

## 2

#### SHOW THE WORKSHEET AND CARDS TO THE PARTICIPANT

**During the in-depth interview, place the cards in front of the participant so that he or she can see every item**. Introduce the cards one by one and explain the circles visualized in the worksheets to represent the different degrees of trust for information around the farmer.

#### MAP THE PLAYERS ON THE CIRCLES

**Pick the first player you want to discuss and ask the participant how much he or she trusts that player.** You can place the card on the circles yourself based on the answer, or ask the participants to do that by themselves. Place the players who they trust the most at the bottom and center of the sheet, and players they trust less to the outer circles.

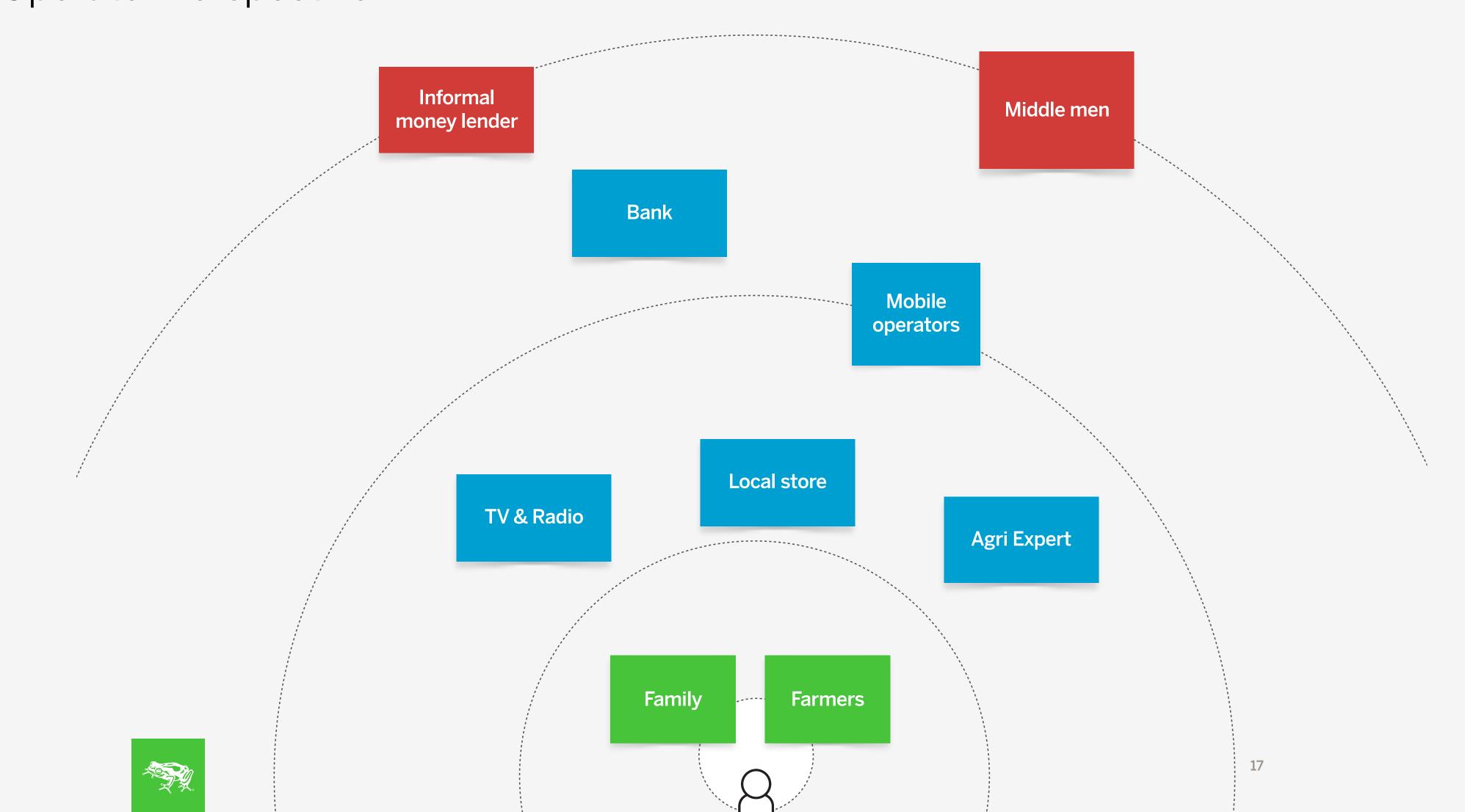
#### **ASK WHY**

#### The exercise is just a trigger to dig deeper into certain aspects. Before

jumping to the next players, always ask why the current one has been placed in a certain position. At the end review the entire map, trying to make some broader considerations about the ecosystem and user's trust.



### CONTEXT **CIRCLE OF TRUST Operator Perspective**



#### "Who do trust for help and information on your farm?"

#### **CONTEXT**

### **CIRCLE OF TRUST** Sri Lanka Farmer Perspective



#### "Who do trust for help and information on your farm?"

WHAT IS NEEDED?

## THE mAgri DESIGN **TOOLKIT IS AVAILABLE TO HELP YOU START USER-CENTERED** DESIGN, BUT ORGANIZATIONS, PEOPLE AND PROCESSES NEED TO CHANGE TOO TO SUSTAIN THE JOURNEY.

**KEY LEARNINGS (01)** 

# LISTEN: GOSLOW TO GOFAST



The user validation challenged some of the initial assumptions we made about the pricing.

[Ooredoo, PM]

BANGLADESH: PAPER PROTOTYPES



P

KEY LEA





GHANA: VOICE MESSAGE SIMULA

I got real feedback about what farmers really want and changed the design. I'll work with paper prototypes on any other future project. [Grameenphone UX expert]

**KEY LEARNINGS (02)** 

BE

# **EVERYONE SHOULD LISTEN:**

# **NCLUSIVE**

#### **KEY LEARNINGS (02)**

#### SRI LANKA: TEAM SETUP

I wish we had taken colleagues from other teams such as marketing and technology to the field frequently during the research stage. They would have had insights about farmer needs that could have been embedded in the product. [Dialog, Product Manager]

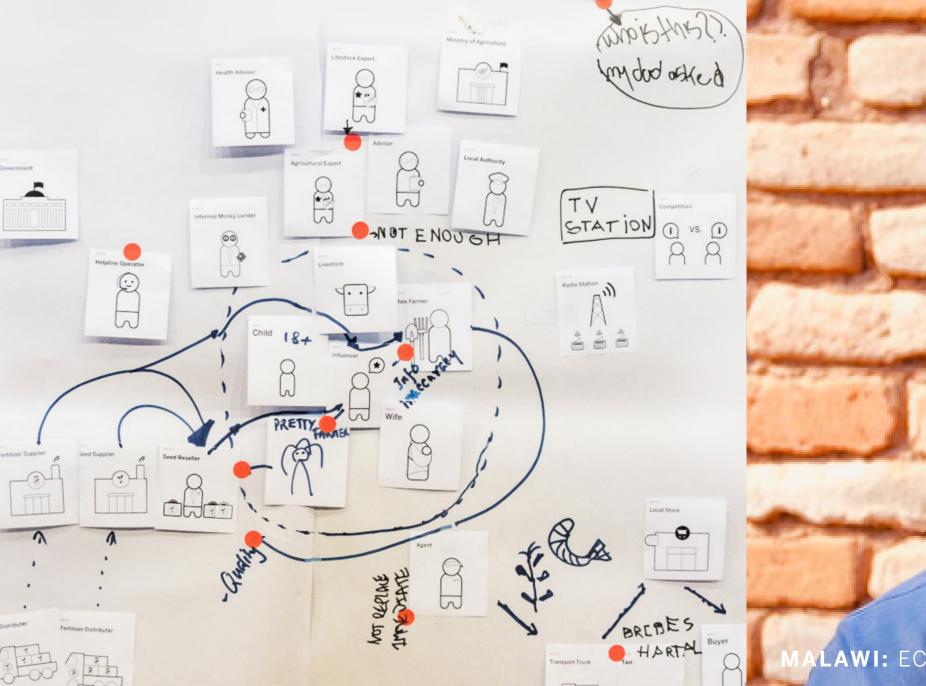


# LISTEN TO DIFFERENT VOICES: DON'T CONSIDER FARMERS AS JUST FARMERS

**JEA** 

Don't assume that all farmers are the same when you design a product.

GHANA: USER ARCHETYPES



PPING AWI: ECOSYSTE





(A1) TRAPPED



(A2) ESCAPIST



(A3) ACCEPTOR



(A4) COMPETENT OPTIMIST



GHANA: USER ARCHETYPES

The lead farmers are the most trusted source of information. This insight completely changed our goto-market (GTM) strategy. [Maq, Grameenphone UX expert]

	<b>TRUST CIRCLE</b> MAP Identify who/what the participants interact with the most, and how this influences dec
	Identify who/what the participants interact with the most, and how this influences dec

## LET'S EARN OUR CUSTOMERS' TRUST



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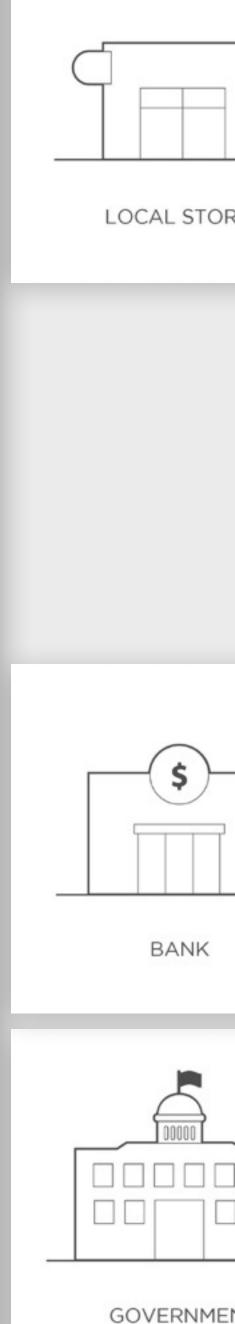


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#### ecision-making





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House-farm Tour

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AND CHALLENGES

NOTE PHOTO TANK

INTRODUCE YOURSELF AND THE TEAM Introduce yourself and your organization and explain you Introduce yourself and your organization

INTRODUCE VOURSELF AND THE TEAM

a context for the conversation.

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