

The "First Mile" of Delivering SPJ: Human-Centered Design

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We often design SPJ programs from a top-down perspective:



From a **policy** perspective



From an administration/process perspective



Or from a *technology perspective*

Yet we need to pay more attention to the perspective of the people these programs are trying to serve — i.e., to the "First Mile" of Program Delivery



Who are the people we are trying to serve? Are they a homogeneous or diverse group? What are their characteristics, situations, perspectives?



What is their experience navigating the program or delivery processes? What does that journey look like? What are their pain points?



How can programs and delivery processes be better designed to serve these end-users?

What is Human-Centered Design?

The continual process of understanding and meeting user* needs.

*Users of SPJ = applicants, beneficiaries, individuals, households, firms

"End-Users" interact with SPJ programs in many ways

What is expected of me & my family / children?

How & where can I appeal or file a complaint?

When & how will I receive the benefits or services?

How will the program help me?



How, when & where can I apply for benefits?

How & when will I be notified of the decision?

What documents do I need to apply?

The risks of designing with incomplete information

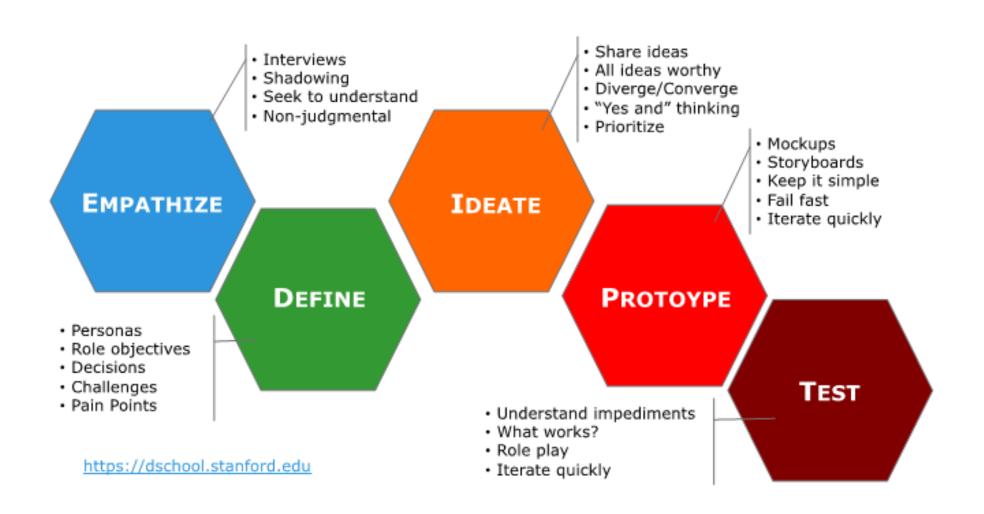
Spending time, energy & resources, and finding out there's a better solution

Hence, the need for Human-Centered Design!

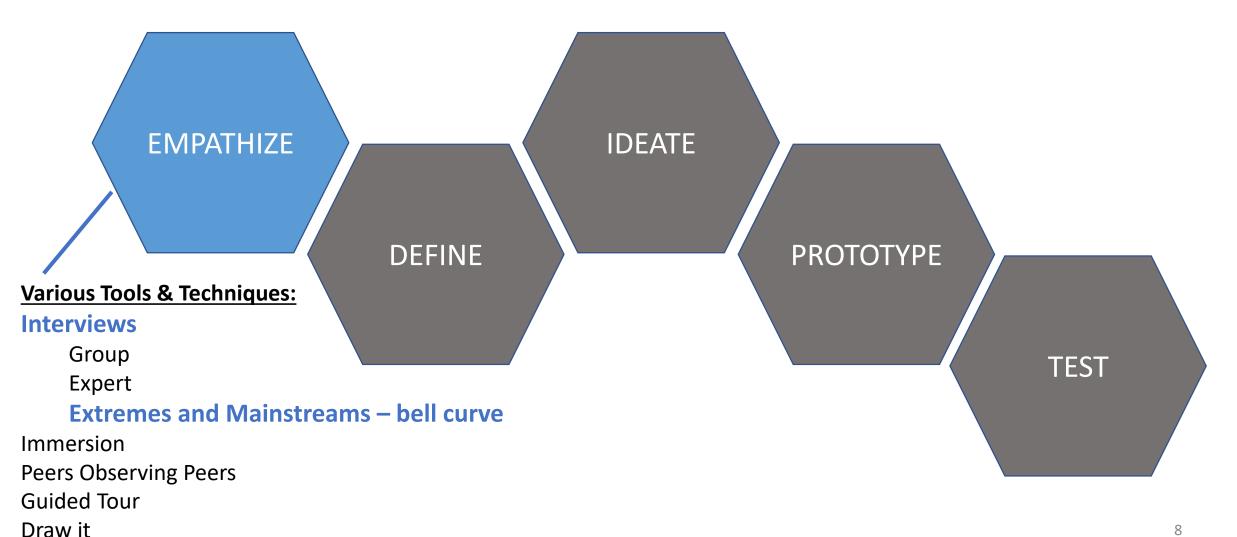
Making assumptions made on behalf of 'first mile' - flawed perceptions

Weaknesses in program design and program delivery and poor experience

Human-Centered Design: A series of steps through which the design passes before it is completed to improve the chances of arriving at a better solution.



EMPATHIZE: Understanding whom we're trying to serve

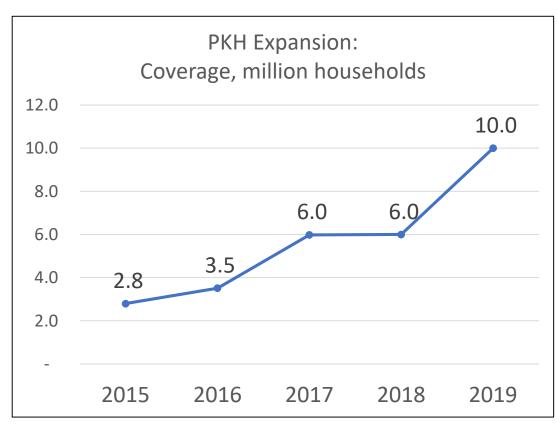






Indonesia's Family Hope Program (PKH) — Conditional Cash Transfers Rapidly Scaling Up — Including to Remote Areas

The PKH Program rapidly scaled up. It now covers 10 million households, > 40 million people

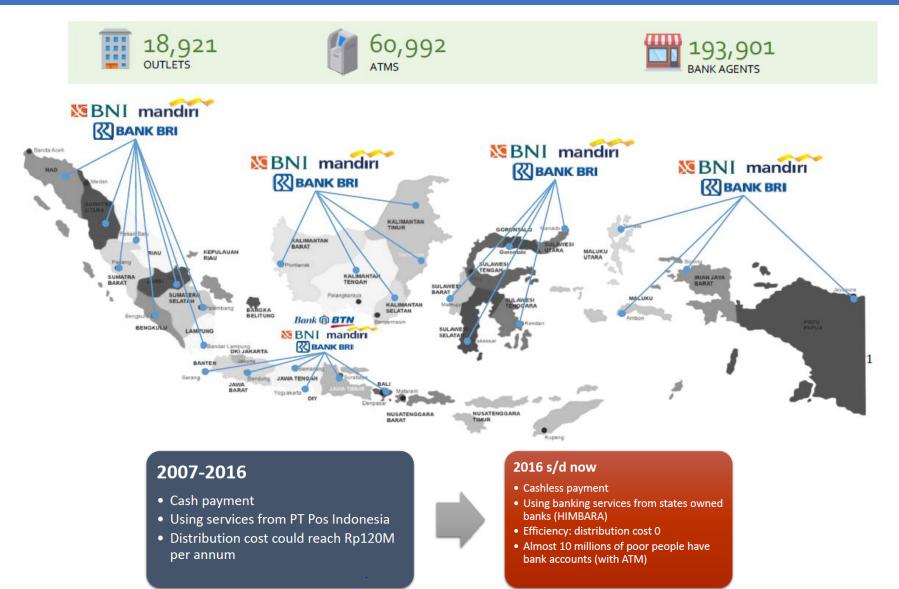


The Government also made a deliberate decision to expand coverage nationally - Including to Remote Areas





At the same time, Indonesia made a rapid shift from manual delivery of cash payments to an e-payment system, with significant gains in efficiency and transparency



However, while this may be an efficient solution overall, it is also facing challenges in remote areas.





Indonesia CCT Program: Payment Service Provider – Mandiri Bank

We don't have any ATMs on the island of Buru, but beneficiaries can use the ATMs of other banks (BRI, BNI). But... the ATMs only disburse in denominations of R\$50,000 or R\$100,000 – which doesn't always match the needed denominations of benefit levels.

For most areas, there are no ATMs. So, we have to travel long-distances to the sub-districts to pay beneficiaries of PKH. We aren't used to going to those areas. We had never been there before.

We have to go outside regular working hours, so we go on Saturdays with our whole team (15 staff). There is no signal in the sub-districts so we work offline and then go upload the information at the office later.

We have to meet our own accounting standards, and verify the identity of people on the list to make the payments. Many of the beneficiaries don't have IDs – so we have to postpone payments.



Perspective of PKH Beneficiaries in Namlea Sub-District, Island of Buru (not so far from District Capital)

There are ATM machines in town. It's over 5 kilometers from our village.

We had never used an ATM card before. We had to learn to punch in the (PIN) numbers. At first it was hard to do it, but now we can do it

We liked it better with PT-POS (post office) because they brought the payments to us in our village. Now we have to travel to get to town to the ATM. It costs R\$30,000 to get to town. Can they give us a shuttle?



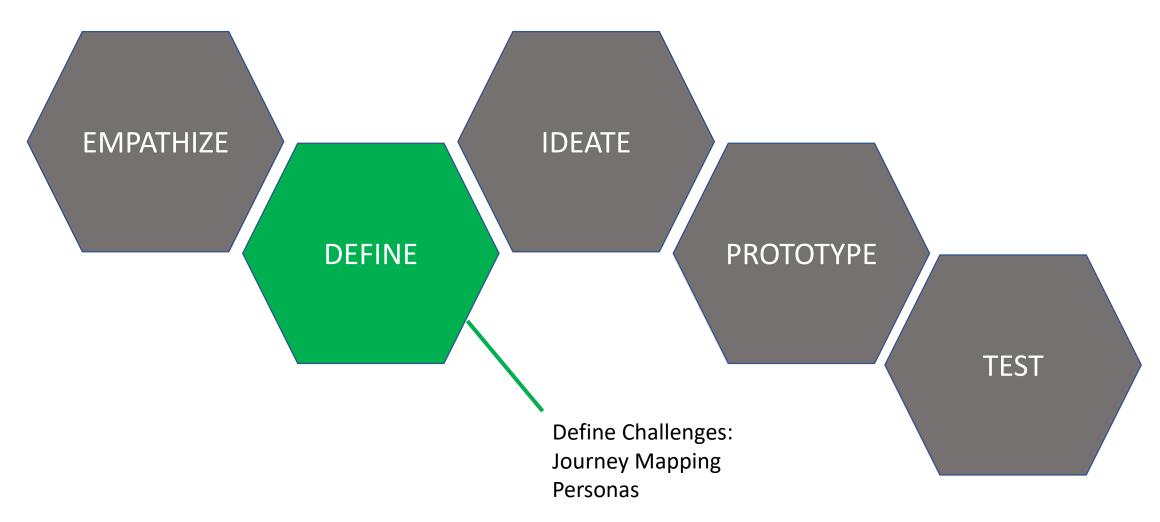
PKH Beneficiaries in Remote Village in Fena Leisela Sub-District, far from District Capital

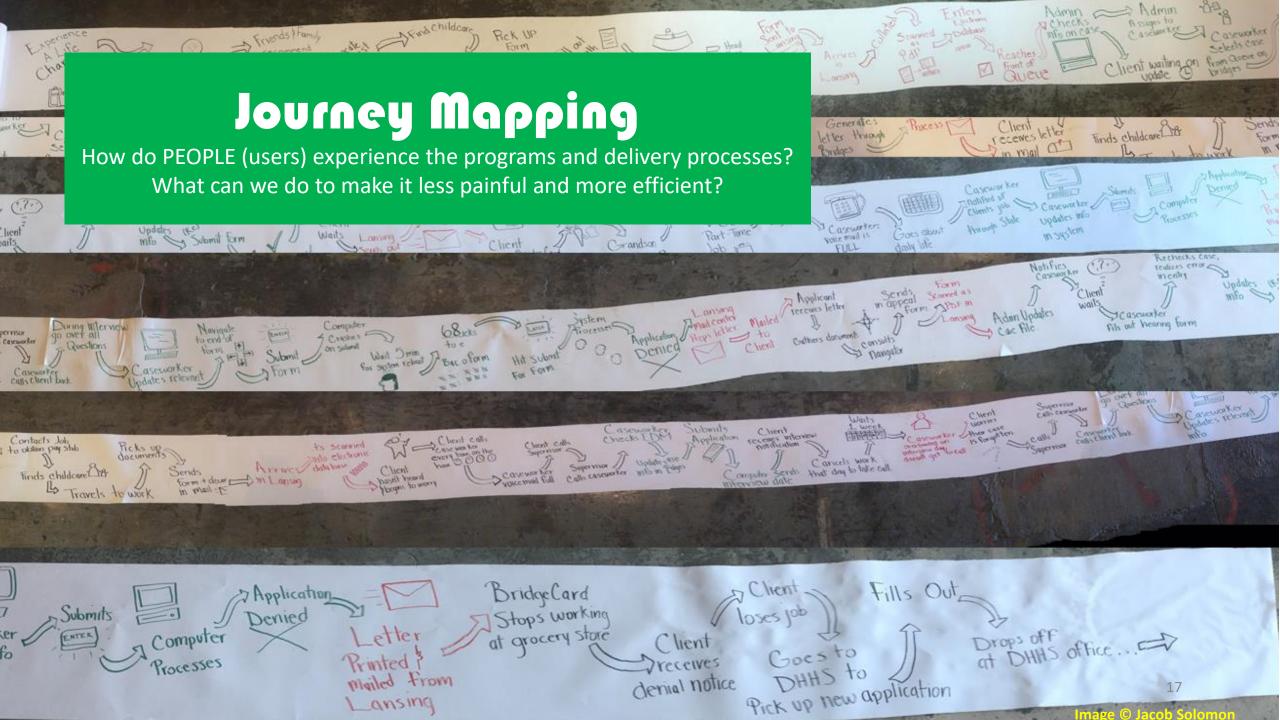
We did receive our ATM cards, but there are no ATMs in our Sub-District or anywhere near us.

It used to be easier with PT-POS (post office) because they brought the payments to our village

Now we have to walk many hours to get to the sub-district to then wait in line to get the cash from the Bank (at cash distribution events)

DEFINE challenges: Understanding how end users experience the program or processes





Journey Mapping Tools: Understand the End-Users' Experiences in the

Beneficiary's Journey Steps

Apply for Program

Enter Program

Participate in Program

Provide compliance information

Submit claims, receive payments

Touchpoints (medium of contact)

and document

observe

to

Aspects











"DOING:" Activities

Specific steps and activities

End-to-end journey of user





"FEELING:" Service Experience

Qualitative Feedback

Quantitative Feedback





Time Taken

Waiting time, and delays



Pain Points, Opportunities To Improve













Source: Kathy A Lindert



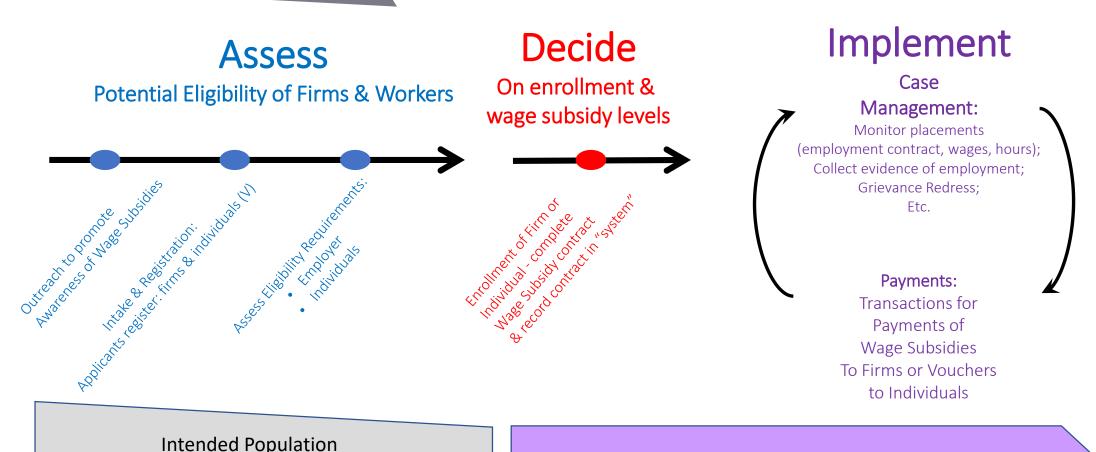
Many countries in Europe use Wage Subsidies to stimulate employment

- Although lots of wage subsidy programs exist, with millions of € allocated for their budgets, many potential "wage-subsidy vacancies" go unfilled (80% unfilled in recent analysis in European country)
- Why? Various factors could explain these "low take-up rates" by firms for wage-subsidized workers, such as:
 - Firms or workers unaware of these wage subsidy programs
 - Quality or profiles of workers ≠ needs of job vacancies
 - Or... bureaucratic steps make it "not worth the hassle" for firms (low benefitcost ratios)
- We used Journey Mapping techniques to investigate the "hassle factor" and to define how painful delivery processes could deter firms from taking up these wage subsidy benefits

We started by mapping out the <u>basic processes</u> for implementing Wage Subsidies

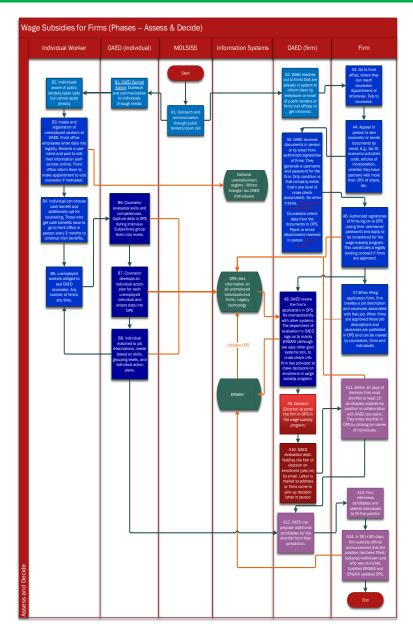
The basic process for implementing wage subsidies goes something like this:

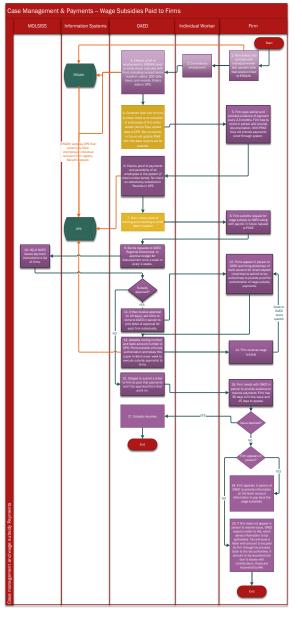
= Employers,
Potential Worker Participants



Beneficiaries = Employers, individuals

But when all the steps were mapped out by agency involved, it looked something like this...







And that is the Administrator View...
What about the experience of the potential beneficiary firms? What was their journey in this process?...

Journey Mapping Example:

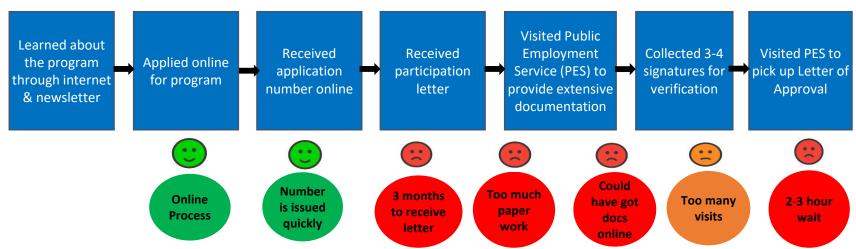
Wage Subsidies for Firms to Hire More Workers (experience of a travel agency)

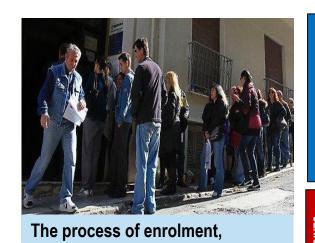


and registration

PROCESSES

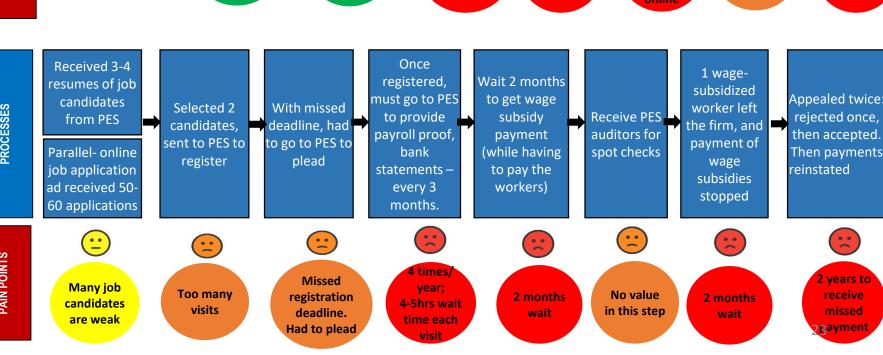
PAIN POINTS





implementation, payments and

case management



Personas

Personas are archetypes created to represent the different user types within a targeted demographic, attitude & or behavior



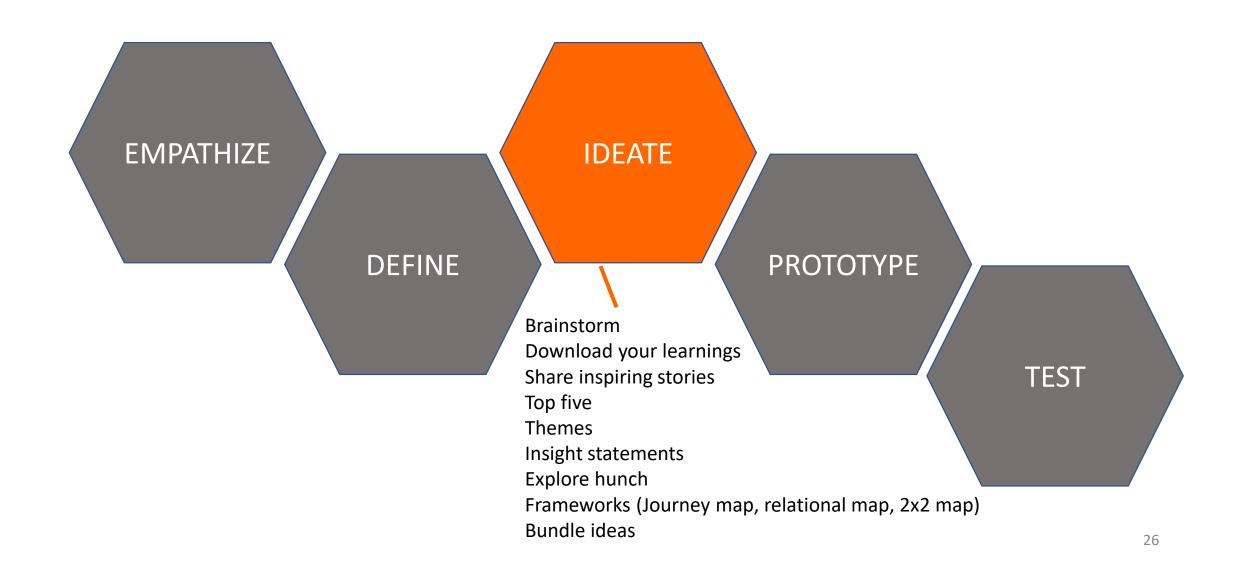
Advantages of building *personas*

- Personas humanize the end user
- Distilled from research data collected during field observations and conversations with real people
- A single persona represents many individuals' aggregated experiences and behavioral patterns, beyond their demographic data, like age, race, or gender.
- Personas help program designer focus on manageable and memorable cast of character instead of getting lost in details
- Personas are particularly helpful for those who may not interact with end users, yet are responsible for generating processes, products, and protocols that directly impact these individuals.



Photo © Tina George, West Africa Unique Identification for Regional Integration and Inclusion

IDEATE: Developing Solutions Alternatives





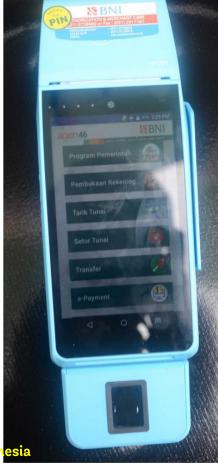
Ideation:

Some possible solutions and adaptations for diverse areas

Offline EDC portable machines could be one solution... but will it really solve the problem?

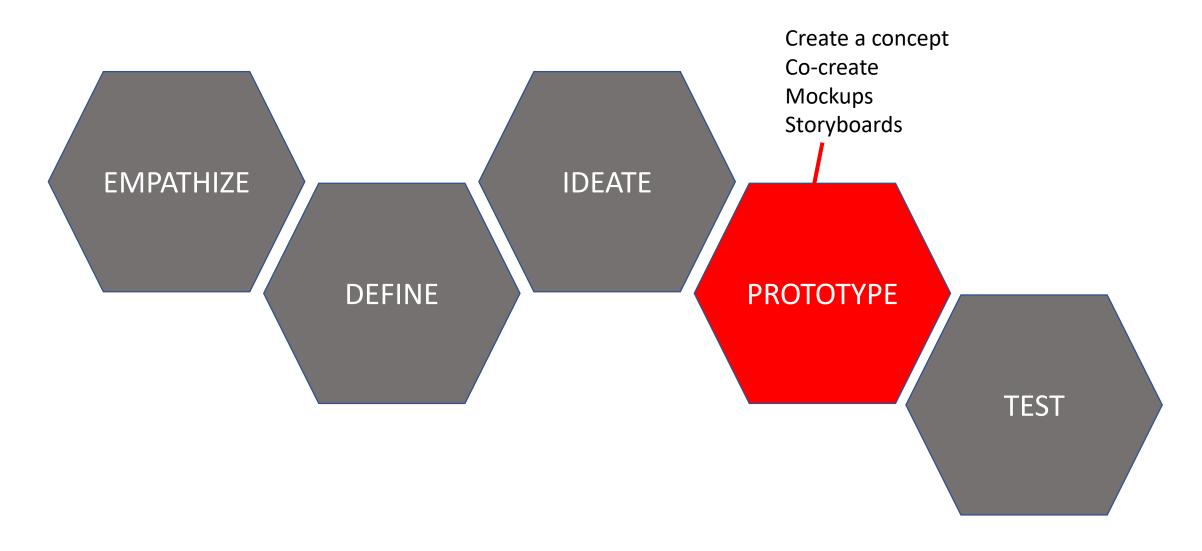


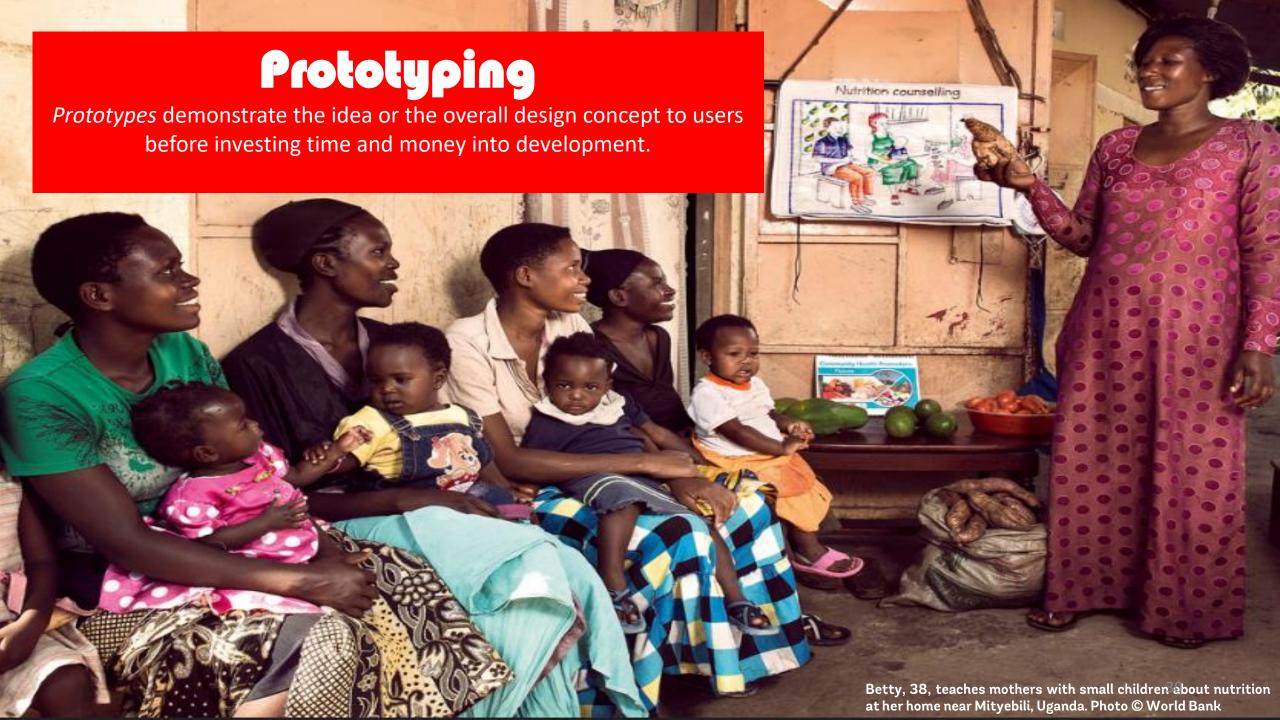




- E-payments may work in many parts of the country, but we need to adapt solutions to diverse populations, including those in remote areas.
- One option for Remote Areas BNI has launched an offline EDC:
 - Portable machine that can be used anywhere even in remote areas without internet
 - Records beneficiaries data
 - Verify beneficiaries data from benefit card and finger print, so withdrawal doesn't require PIN
-But that still doesn't solve the challenge for beneficiaries who would still have to walk many hours to get to sub-district payment points:
 - As such, Ministry is developing "PKH Akses" that modifies some of the parameters in the program to simplify its use in remote areas
 - One of the modifications is to disburse the payments less frequently such as twice per year instead of quarterly
 - And, they could still consider manual payments delivery to the villages themselves to save beneficiaries the travel/times to get to the sub-district centers
- Need to bring together the actual people affected to "IDEATE" on possible solutions that would really work in remote areas:
 - PKH Beneficiaries
 - PKH Facilitators
 - Payment Service Provider from the local office

PROTOTYPING: Modeling a solution...





Nutrition Program to reduce stunting in Madagascar



Photo © World Bank

- According to WHO 160 million children under the age of five are stunted globally
- Madagascar has one of the highest rates of stunting in the world, 50% of children under five are affected.
- Stunting is a marker for poor cognitive development that can impact school and employment outcomes later in life.
- In Madagascar, the annual costs associated with malnutrition are estimated at 7 to 12 percent of GDP.
- Madagascar's leaders have turned to adaptive learning and experimental program design to effectively address stunting; an urgent development priority

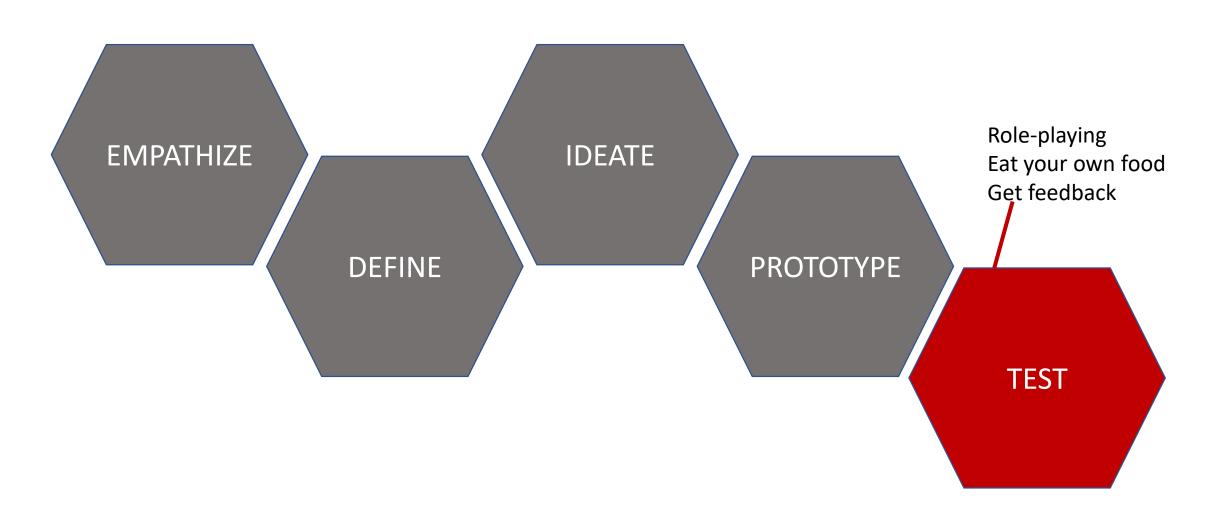
Prototyping Interventions in Madagascar Nutrition Program

- Madagascar's National Nutrition Program has been using HCD for 3 years to design more effective behavior change interventions
- Formative research was an important basis to understand background, key influencers, food habits, and perceptions of good health and nutrition of end-users as a basis for developing ideas for new interventions.
- The "prototyping" phase of HCD has allowed the program to tangibly test, several early concept ideas for new interventions directly with beneficiaries progressively focusing on the ones that show promise.
- Prototyping has allowed for reaching higher level of fidelity before interventions are more rigorously piloted and/or scaled up, potentially saving millions of dollars on implementing interventions that do not work.
- As a result of using HCD, the National Nutrition Office is seeing a shift in mindset from designing for beneficiaries to designing with beneficiaries.



Source: Madagascar: Nutrition & Health Project, The World Bank

TESTING: Testing the solution YOURSELF and with END USERS before rolling it out



Eat your own food...

...try out the solutions before going to the field.

- How often do we "try out" the processes or solutions ourselves?
- Have we ever "applied for benefits" of our own program – just to see how easy or hard it is?
- Have we ever tried the APPs we develop or the technologies we think will "solve the problem?"



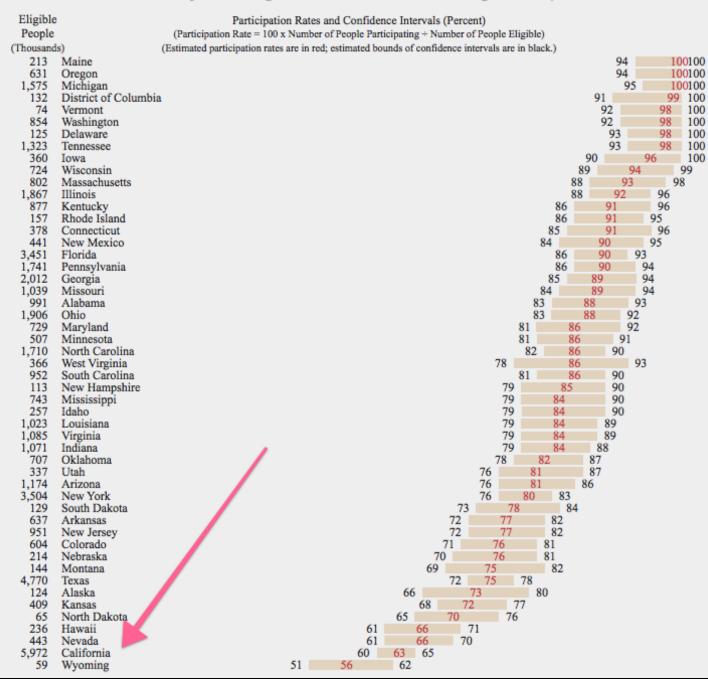




Challenge of Low Take-Up Rates for Food Stamps Program in California (USA)

...why?

How Many Were Eligible in 2012? What Percentage Participated?







Language

English

♦ Go

Create A MyBenefits Account | Sign In

Hard to apply

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Open Enrollment begins 10-1-2013 Read about Affordable Health Insurance

▶ II **44** ▶



Welcome,

This website is a fast and easy way for California residents to learn about and apply for medical, food, and cash assistance programs. MyBenefits CalWIN also provides ongoing access to secure and private benefit information. Select a topic below to get started or sign in to your account.

Community Based Organization, get started here.

Sign in to your MyBenefits CalWIN Account

Username

Sign In

Forgot Username? | Create New Account

See if I Am Eligible

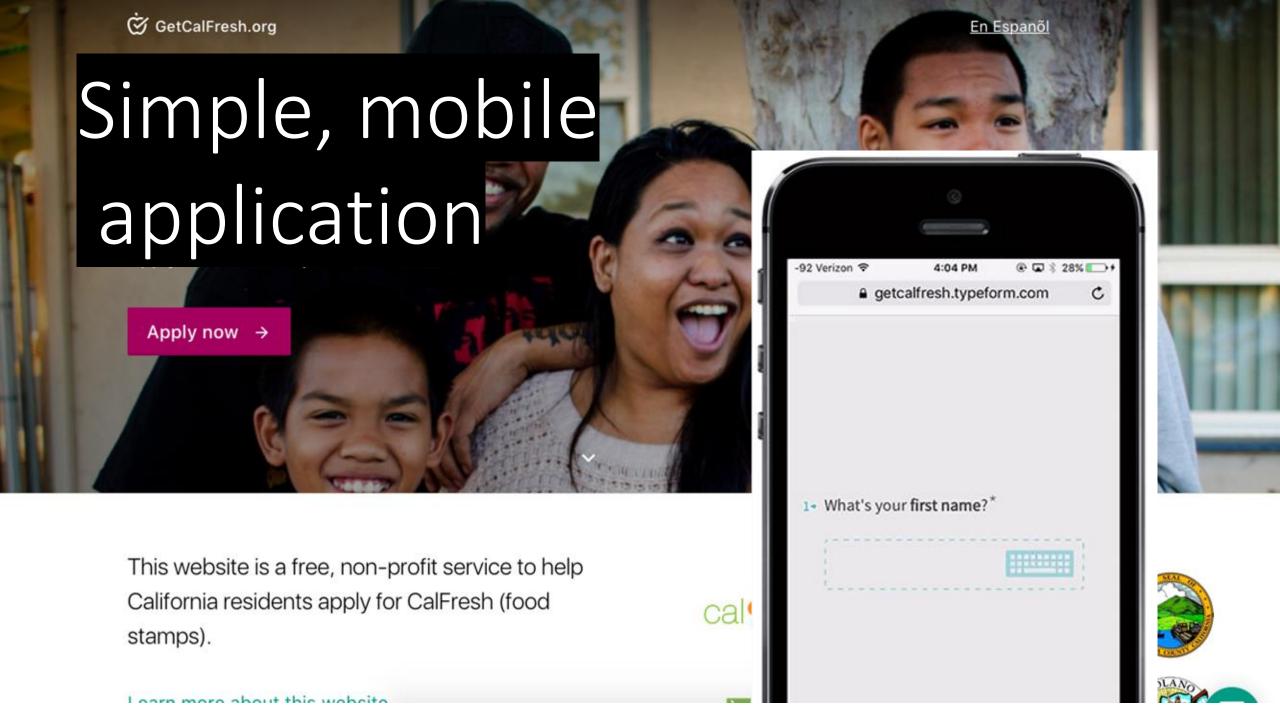
Apply for Benefits

Report My Changes Or Renew Benefits

MyBenefits CalWIN allows you to:

- G Check your benefit status and amount
- See if you are eligible for other assistance programs
- ☑ Apply for benefits or Continue an application
- Submit your reports or renew your benefits online

View MyBenefits



Many Examples of Usefulness of Human-Centered Design in SPJ

IDEATE



Journey Mapping to understand bureaucratic hurdles

for firms in taking up

EMPATHIZE

Payments in Indonesia CCT:

Group interviews to understand perspectives of end-users (beneficiaries) and service providers about the challenges of delivering payments in remote areas



DEFINE

Payments Solutions in Indonesia

The need to involve the end-users and local service Providers in ideating about alternative Solutions to making payments in remote areas

Madagascar Nutrition Interventions:

Prototyping" helped iterate the program design and delivery processes

PROTOTYPE

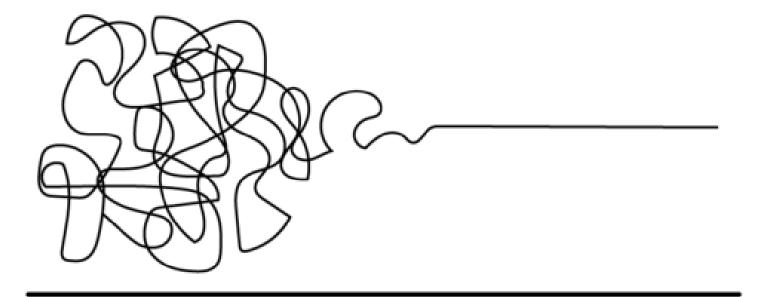
Improving Food Stamps Application in California:

"Eat your own food" to test and experience the existing processes and then collaborating and testing improved online APP



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UNCERTAINTY FOCUS



DISCOVERY

DESIGN

DELIVERY

Designing solutions to deliver social protection systems...

- We move rapidly from a problem statement to solution.
- There is **no right answer**
- Many stakeholders and factors affect outcomes
- Having deep understanding of people while seeing the bigger picture
- Spend considerable time understanding the problem and generating alternatives
- Gaining clarity and conviction despite incomplete information
- Discovering and choosing interventions that have impact

Human-centered design is a powerful methodology and mindset to employ in delivering Social Protection programs



The "First Mile" of Delivering SPJ: Human-Centered Design

