

Mobile Technology



TOPS/FSN Network

Asia Regional Knowledge Sharing Meeting

March 3 – 5, 2015

Dhaka, Bangladesh

Introduction: McAID & Generations



- **M**other & **c**hild **AID** System
- Web Based Mobile Application



First Generation McAID

Year : 2004-2010

Program : Jibon-O-Jibika (DAP)

Version : PDA Based Offline Application

New Generation McAID

Year : 2010 & Onwards

Program : Nobo Jibon (MYAP)

Version : Mobile Based Online Web Application

URL : www.mcaid.info



Introduction: Goal



Provide Efficient Information Management for Program Interventions (Food and/or Non-Food)



MCHN



Livelihood



Food For Work



Commodity

Introduction: Functional Modules



Administration



Coverage



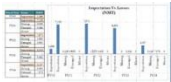
Beneficiary Registration



Service Delivery



Commodity Distribution



Commodity Accounting



Reporting



Geographical Information System

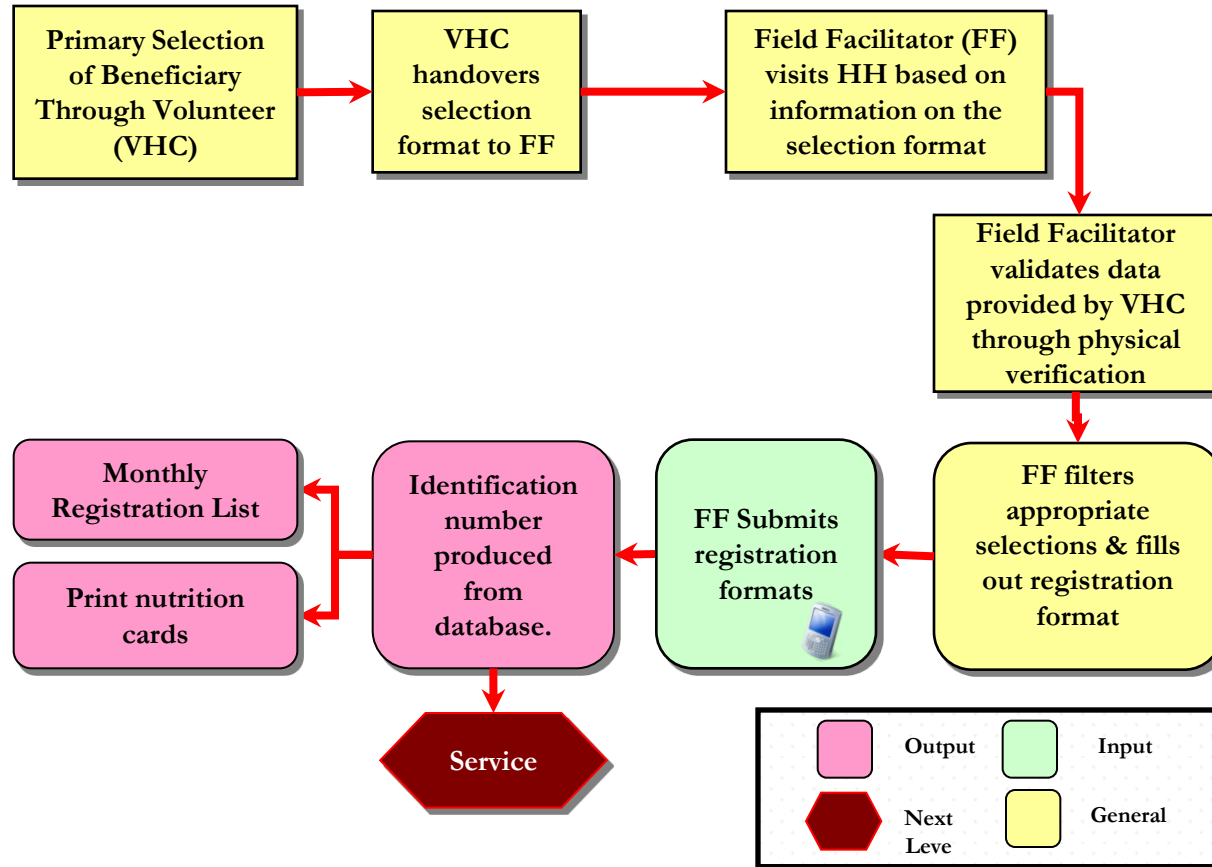


Knowledge Management



How it Works: Process Flow

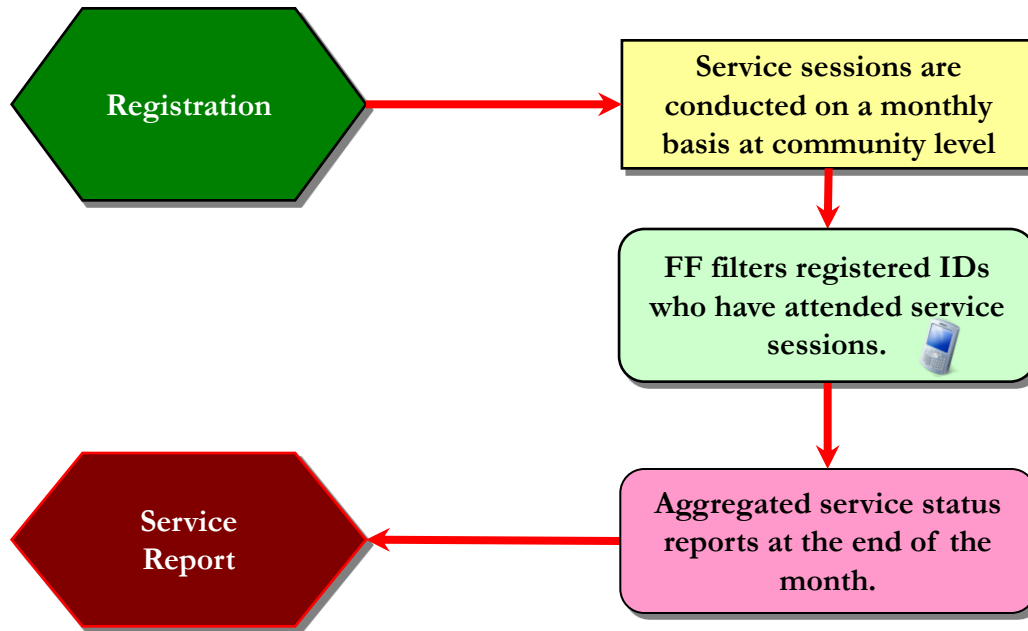
Beneficiary Registration



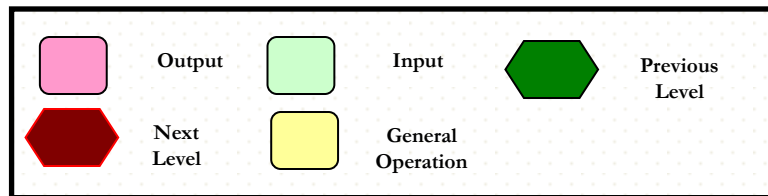
- SO1 : MCHN
- SO2 : Livelihood
- SO3 : DRR

How it Works: Process Flow

Service Documentation

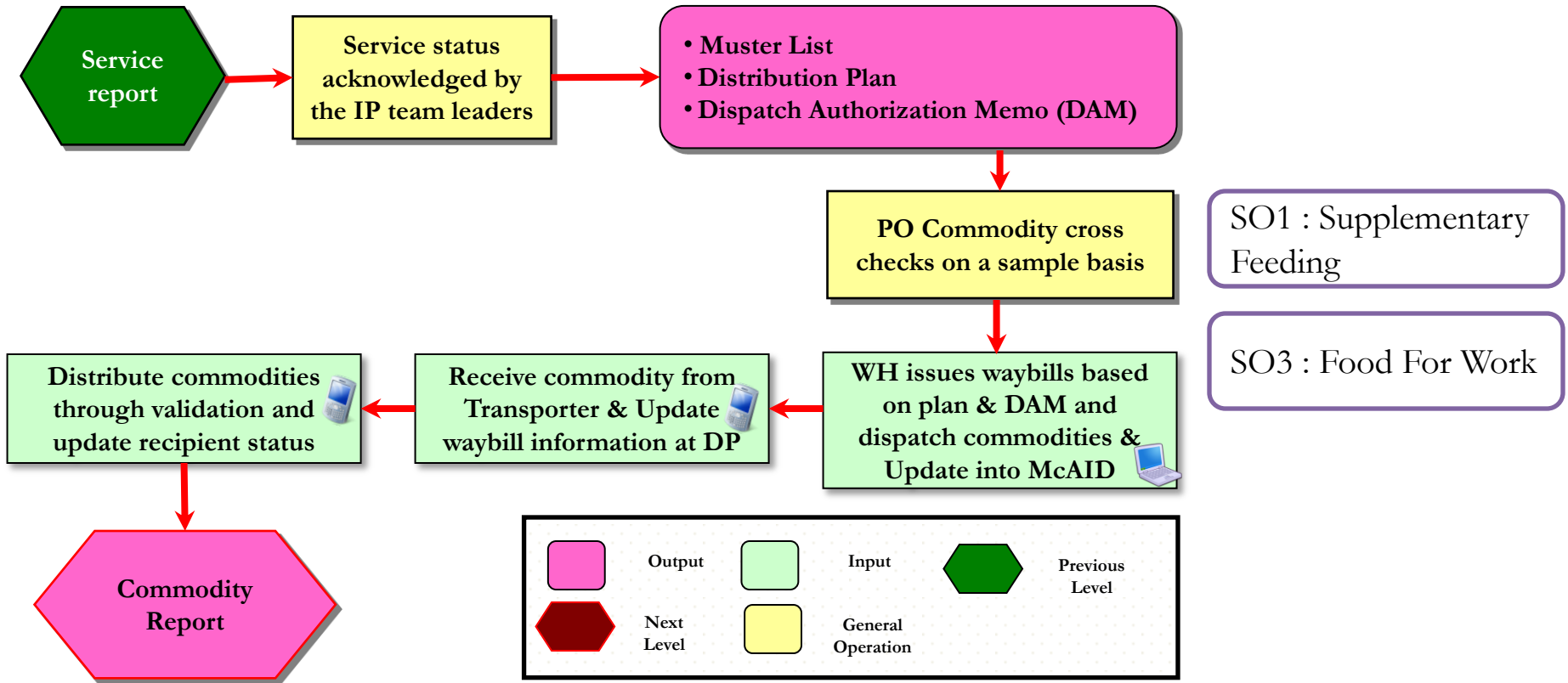


- SO1 : MCHN
- SO2 : Livelihood
- SO3 : DRR



How it Works: Process Flow

Commodity Distribution



Example: Beneficiary Tracking

| BenID | MCHN | Livelihood | FFW4500 |
|------------------|------|------------|---------|
| 0101010500000009 | Y | Y | N |
| 0101010500000053 | Y | Y | N |
| 0101010500000109 | Y | N | N |
| 0101010500000115 | N | Y | N |
| 0101010500000121 | Y | Y | N |

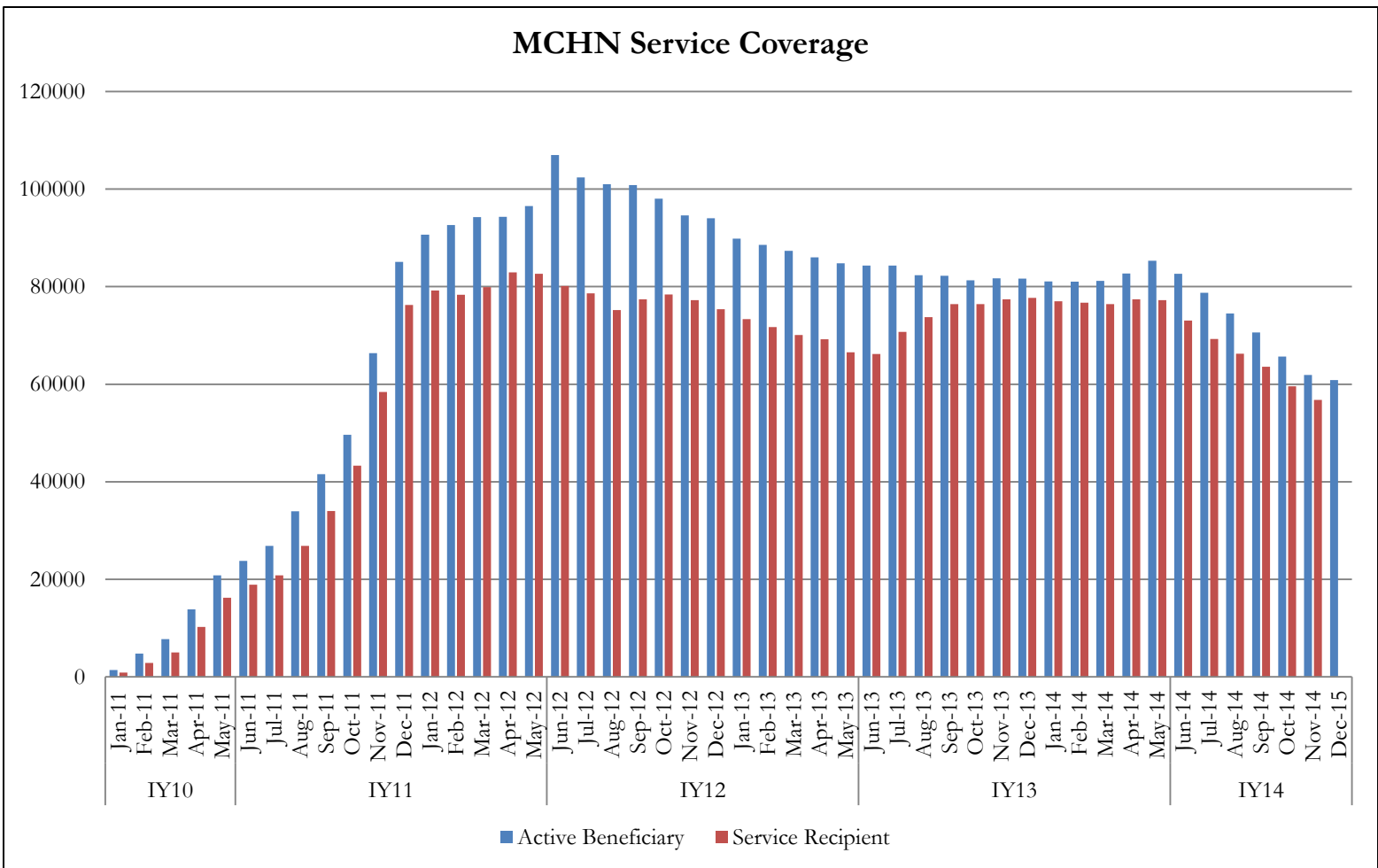
MCHN

Livelihood

Track Beneficiary Through Unique ID

Measure impacts of the program through historical information

Example: MCHN Performance Measurement



Performance Monitor: Dashboard

Various options and drop down contents are used to aggregate preferred summaries.

Hyperlinks are used to explore next level summaries

Summaries are exported to Excel for ad hoc analysis.

Service Status

Report Type

- Service Status
- Service Status For Program
- Comparison For Program
- Service Status List
- Least Service Recipient
- Absent Beneficiary Status

Total
MCHN

Period (Optional)

From
To

Show

Service Status For MCHN Program

Total 47 Record(s) found.

| Month | District | Upazilla | Union | OrgN | PW | CA2 | LM | CU2 |
|-----------|-------------------|--------------------|--------------------|-------------------|-------|-----|-------|-------|
| /14 | 3 | 10 | 79 | 4 | 1684 | 714 | 14320 | 40092 |
| /14 | 3 | 10 | 79 | 4 | 4262 | 721 | 14355 | 40246 |
| /14 | 3 | 10 | 79 | 4 | 7292 | 727 | 14383 | 41199 |
| 31/Aug/14 | 3 | 10 | 79 | 4 | 9888 | 752 | 14904 | 40682 |
| 31/Jul/14 | 3 | 10 | 79 | 4 | 12767 | 772 | 15690 | 40063 |
| 30/Jun/14 | 3 | 10 | 79 | 4 | 15617 | 803 | 16771 | 39884 |
| 31/May/14 | 3 | 10 | 79 | 4 | 17326 | 831 | 18389 | 40677 |
| 30/Apr/14 | 3 | 10 | 79 | 4 | 15211 | 850 | 19464 | 41875 |
| 31/Mar/14 | 3 | 10 | 79 | 4 | 13831 | 871 | 20087 | 41655 |
| 28/Feb/14 | 3 | 10 | 79 | 4 | 14119 | 884 | 19800 | 41932 |
| 31/Jan/14 | 3 | 10 | 79 | 4 | 14588 | 902 | 19292 | 42211 |
| 31/Dec/13 | 3 | 10 | 79 | 4 | 15616 | 910 | 18300 | 42770 |

Excel

Performance Monitor: GIS

Performance: GIS Maps

PERFORMANCE MEASUREMENT : MCHN Service Coverage (%)

For The Month of November-2013

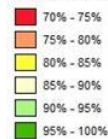
District : Barisal

Service : LM , PW , CU2



LEGEND

MCHN Service Coverage (%)



Reporting Month

Fiscal Year: **FY13**

Month

- December - 2013
- November-2013
- October-2013
- September-2013
- August-2013
- July-2013
- June-2013

Performance

Type: **Service Coverage (%)**

Service Criteria

Program: **MCHN**

Services

- Lactating Mother
- Pregnant Woman
- Child U2
- Child (2 - 5)

Performance: Google Maps

GPS Location

Location: **Food Distribution Point**

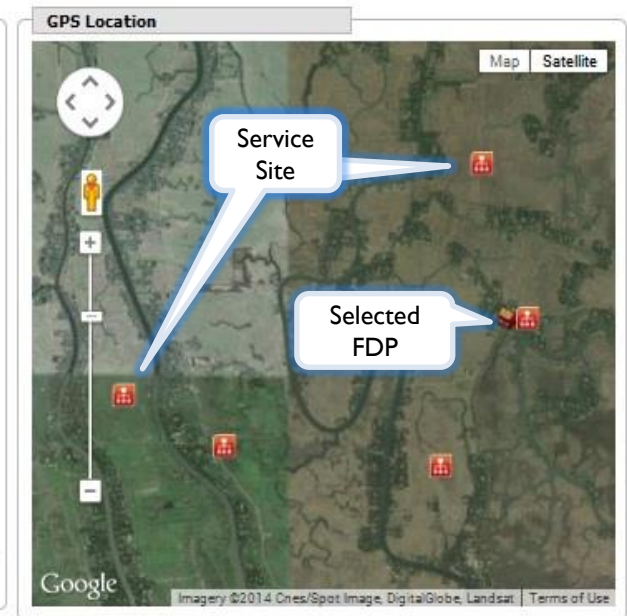
Search: **alir**

Name

[Alir Bandar High School](#)

Page 1 of 1

Total 1 Facility Filtered.



Locate

- Catchment
- Direction

Location

- MCHN Service Site
- Upazilla Parishad Office
- Warehouse

Location Attributes

Location : Alir Bandar High School

Type : Food Distribution Point

Period : March-2014

| Attribute | Value |
|--------------------|--------|
| Plan Ration | 281.00 |
| Distributed Ration | 281.00 |
| EPI Coverage | 10.00 |

Performance Monitor: IPTT

Intermediate Result

Program: **Nobo Jibon: Food Security Program**

IR Group: **IR 1.2.: Households have improved access to integrated health.**

Indicator: **IR.1.2.26 Number of Children under five reached by USG support**

Fiscal Year

[FY11](#)

[FY12](#)

[FY13](#)

[FY14](#)

[FY15](#)

[LOA](#)

View/Edit Values

Fiscal Year : FY13

Period : 01/10/2012 - 30/09/2013

Disaggregation :

Target :

Acheivement :

Disaggregation of Indicator

| List | Target | Acheivement |
|----------------------------|----------|-------------|
| Total | 75000.00 | 106679.00 |
| Male | 38250.00 | 54374.00 |
| Female | 36750.00 | 52305.00 |
| New | 12000.00 | 27354.00 |
| Continuing | 63000.00 | 79325.00 |

- Summaries for IPTT formulated according to the definition
- IPTT related reporting is dynamic

Sharing Across Agency

Beneficiaries (as of February 2015)

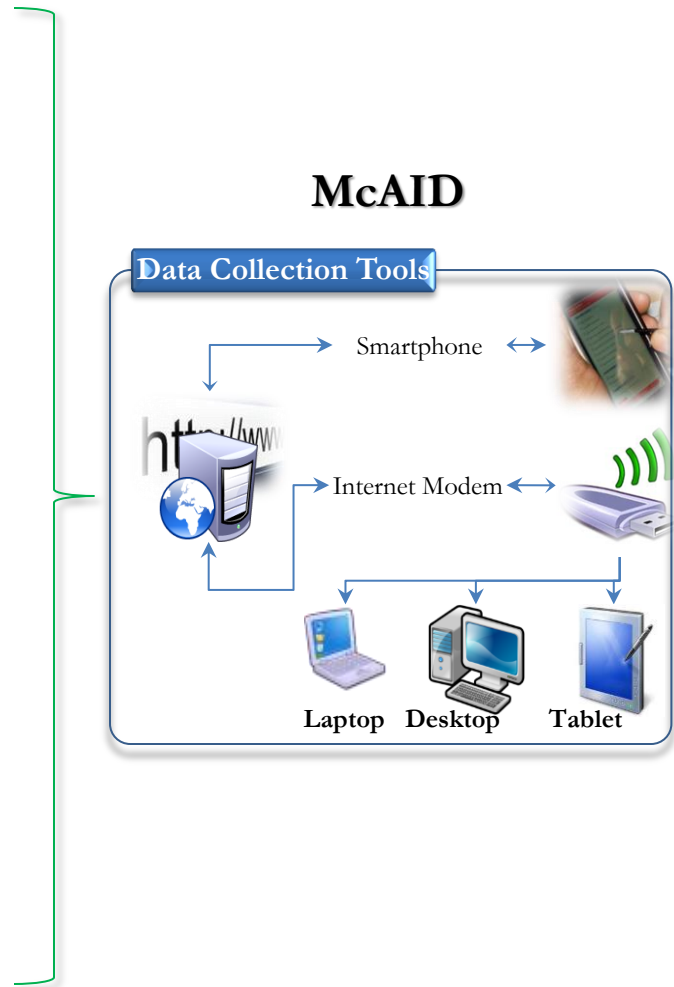
| Agency | Program | Food | Non-Food | Total |
|-------------------|---------|----------------|----------------|----------------|
| Save the Children | NJ | 304,893 | 112,097 | 416,990 |
| ACDI VOCA | PROSHAR | 54,740 | 45,984 | 100,724 |
| World Fish | FtF | - | 36,058 | 36,058 |
| iDE | ANEP | - | 6,631 | 6,631 |
| Total | | 359,633 | 200,770 | 560,403 |

Services (as of February 2015)

| Agency | Program | Food | Non-Food | Total |
|-------------------|---------|------------------|----------------|------------------|
| Save the Children | NJ | 3,567,357 | 266,921 | 3,834,278 |
| ACDI VOCA | PROSHAR | 1,050,846 | 424,678 | 1,475,524 |
| World Fish | FtF | - | 130,890 | 130,890 |
| iDE | ANEP | - | - | - |
| Total | | 4,618,203 | 822,489 | 5,440,692 |

Advantage: Mobile Technology

-  Reduce Time For Error Rectification
-  Reduce Paper Based Working Burden
-  Reduce Compilation Burden
-  Reduce Operational, Monitoring & Reporting Time.
-  Maximize Opportunity To Use Real Time Data
-  Reduce Manual Reporting Process
-  Possibility of Complex Reporting
-  Real Time Monitoring from Different Location

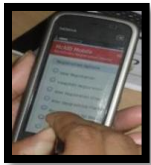


Challenges & Recommendation



Broken/Interrupted Network

- Have Communication with service provider
- Initiate for Integrated 'offline' module



Small Screen Size of Smart Phone

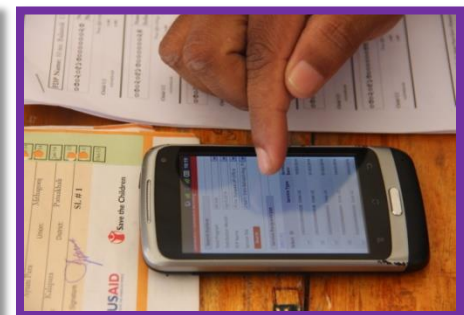
- Identify Bigger Screen Smart Phone
- Identify Alternative Solution like Tablet

Example: Mobile Technology at Field

PROGRAM OPERATIONS THROUGH SMART PHONE



DATA QUALITY ASSURANCE (DQA) THROUGH SMART PHONE



THANKS

Contact

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