



ACTED



care



Humanitarian Aid
and Civil Protection



DANISH
REFUGEE
COUNCIL



INTERNATIONAL
COMMITTEE OF THE
RED CROSS



UNWOMEN



HANDICAP
INTERNATIONAL



UNHCR
The UN Refugee Agency



UNICEF



WFP



World Health
Organization

Vulnerability Assessment Framework

IATF Meeting - 14 Jan 2015

2014: Progress so far

A visual walkthrough of the VAF so far...

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

VAF Scope defined

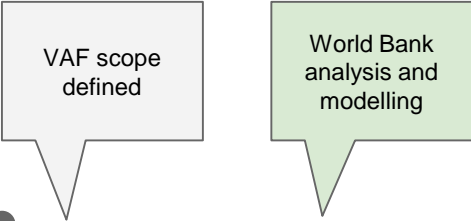
- 12 VAF steering committee members define scope of the VAF
- Elements include
 - Cross-sectoral data collection
 - Unified definitions of vulnerability
 - User interface to access data
 - Appeals system




VAF scope defined

World Bank analysis and modelling

- World bank uses Home Visit data to develop an econometric model to predict expenditure
- Model can be applied to ProGres data and define Welfare/Vulnerability across all registered refugees




Improving Targeting and Welfare of the Syrian Refugees in Jordan¹
Draft 1 – March 30, 2014
FOR UNHCR CIRCULATION ONLY

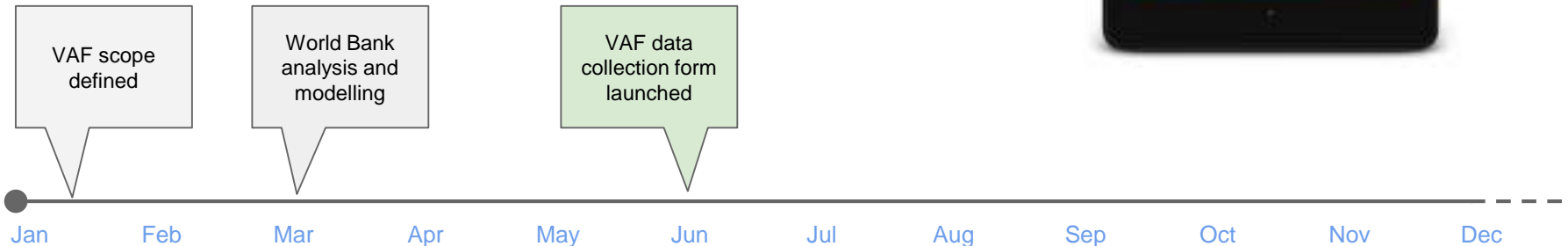
Tables of Contents

INTRODUCTION	2
DATA	2
METHODOLOGY.....	4
RESULTS.....	5
WELFARE AGGREGATES	5
WELFARE REGRESSIONS	7
Welfare Model (1) based on HV and PG variables	7
Welfare Model (2) based on PG variables only	9
INDEXES PERFORMANCE.....	10
TARGETING TESTS.....	12
CONCLUSIONS	16
REFERENCES.....	16
ANNEX 1 – UNHCR DEFINITIONS OF CASE, FAMILY AND HOUSEHOLD.....	19

¹ The paper has been prepared during the month of March 2014 by a joint UNHCR-World Bank team operating in the framework of the Syria Information and Research Initiative for All (SIRIA), a World Bank-United Nations initiative aimed at improving information and analysis of the Syrian crisis. The team included Paolo Verme (TTL) and Utz Pape for the World Bank and Hashim Sharief, Shadi Mbethawi, Nisreen Abo Sammour (DAG), Koen Van Rossum, Edouard Legoupil (IM), Karen Whiting (Protection), Hassan Bahjat Mohammed (Community Services), Volker Schimmel, Rasha Bartaseh (Field), Susanne Butscher (Registration) for the UNHCR.

Data collection form developed

- Cross-sectoral questionnaire developed during inter agency workshop and incorporated into home visit form
- VAF data collection deployed to field via tablet devices
- 15,000 cases surveyed to date



Econometric modelling on data collected

- Statistical model developed to predict household expenditure
- 8 variables from the survey can predict expenditure
- Methodology and results ratified by World Bank

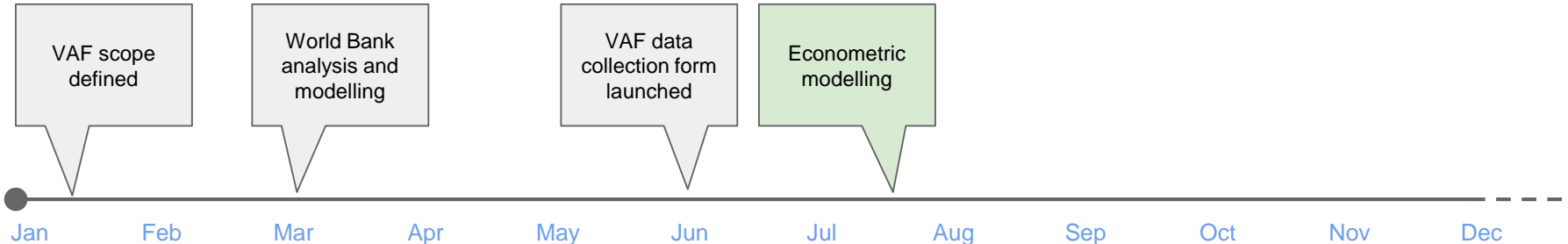
$$\min \sum_{i=1}^n (Y_i - \hat{Y}_i)^2$$

$$= \min: e_1^2 + \dots + e_n^2$$

$$\frac{\partial RSS}{\partial \hat{\beta}_1} = -2 \sum (Y_i - \hat{\beta}_0 - \hat{\beta}_1 X_i) = 0$$

$$\Pr(y_i = 1 | x_i) = \int_{-\infty}^{x_i \beta} \frac{1}{\sqrt{2\pi\sigma^2}} e^{-\frac{(y_i - x_i \beta)^2}{2\sigma^2}} dx = \Phi(x_i \beta)$$

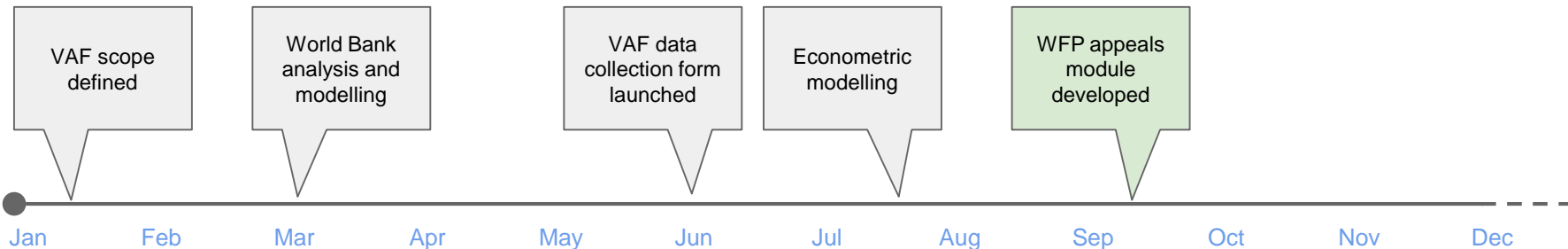
$$RSS = \sum_{i=1}^n (e_i)^2 = (Y_1 - \hat{\beta}_0 - \hat{\beta}_1 X_1)^2 + \dots + (Y_n - \hat{\beta}_0 - \hat{\beta}_1 X_n)^2 = \sum_{i=1}^n (Y_i - \hat{\beta}_0 - \hat{\beta}_1 X_i)^2$$



Appeals interface built to assist with WFP cuts

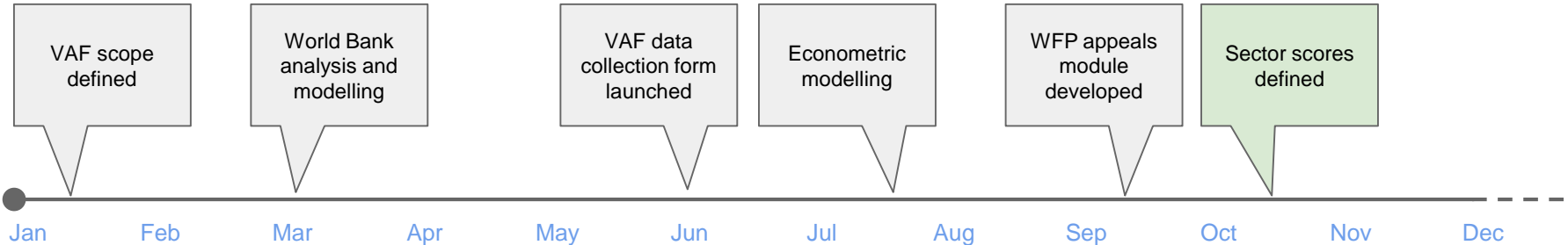
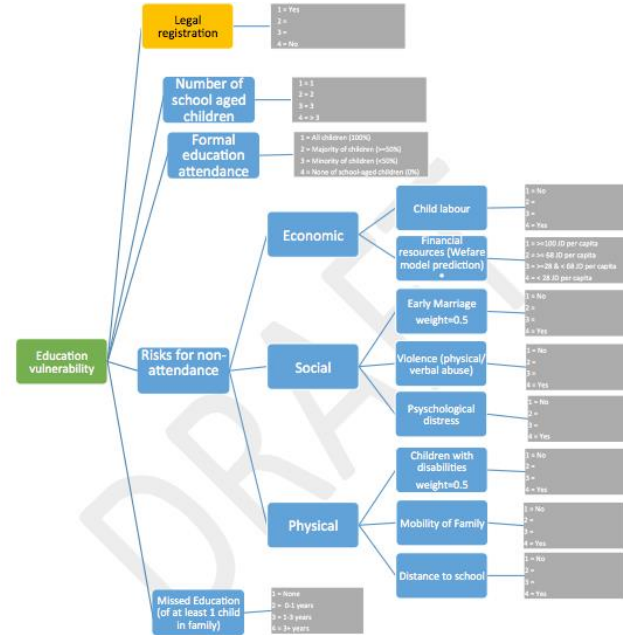
- VAF Appeals database version 1 developed
- VAF Appeals portal piloted to support WFP appeals
- 6,400 appeals logged within in the database
- Over 850 appeals reviewed
- UNOPS team joined (Jan 2015)

The screenshot displays the 'Appeal' interface. At the top, it shows the 'Appeal Status' as '206'. Below this, there are three steps: 'Step 0 - Pending Documentation', 'Step 1 - 1 Review' (highlighted), and 'Step 2 - 2 Review'. The main section contains a form for 'Contact Information' with fields for First name, Last name, Sex, Date of Birth, Phone Number, Email, Contact Method, and Family Members. Below the form is the 'Appeal Date' and 'Source of information' section. To the right, there is a table for 'Appeal Reasons' with columns for Appeal ID, Type, Document ID, and Date. The bottom section shows 'Appeal Steps' with a table listing actions, including a 'Step 1 Review' action on 02/11/2014.



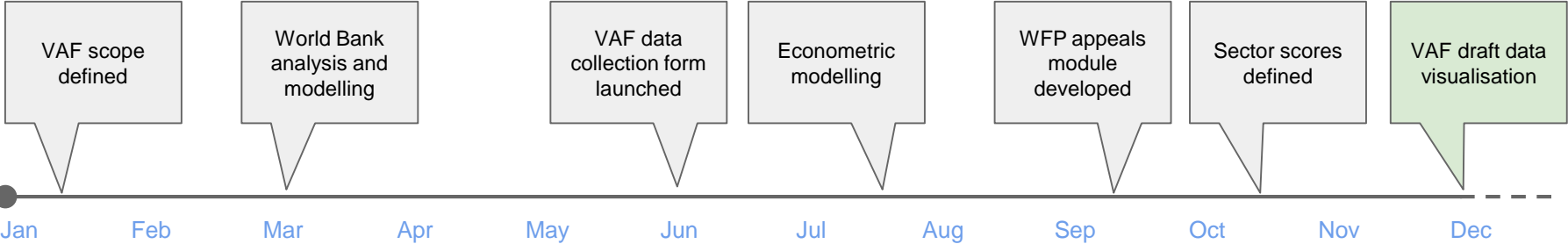
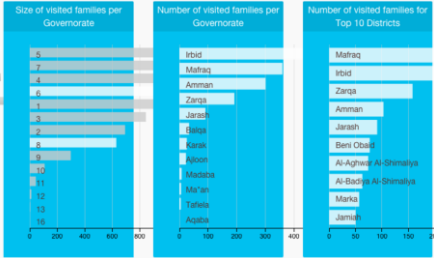
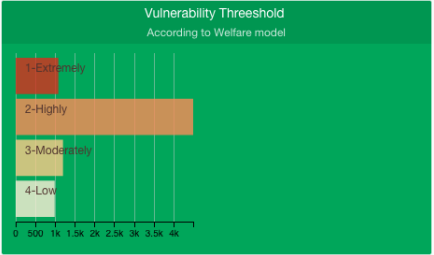
Multidimensional sector scores defined

- Sector level scoring calculations drafted
- Many data points identified to assess vulnerability levels
- Analysis of frequency of data points recorded
- Sectors currently revising sector trees

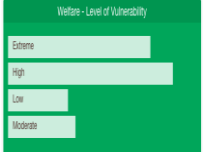
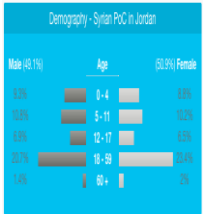


VAF survey portal draft

- Portal developed to visualise data collected
- Interactive graphical filters allow data analysis



2015: Timeline for development



UNHCR Asylum Seeker Certificate / MOI Card

UNHCR Asylum Certificate + MOI Card - Yes	10%
UNHCR Asylum Certificate - No & MOI Card - Yes	10%
UNHCR Asylum Certificate - Yes & MOI Card - No	10%
UNHCR Asylum Certificate + MOI Card - No	70%



VAF partners use VAF data collection form

Baseline survey

Scoring validation home visits

Sector level scores developed in database

MOUs drafted for VAF partners

VAF soft launch

VAF products customised for sectors

Develop coordination module

Jan

Feb

Mar