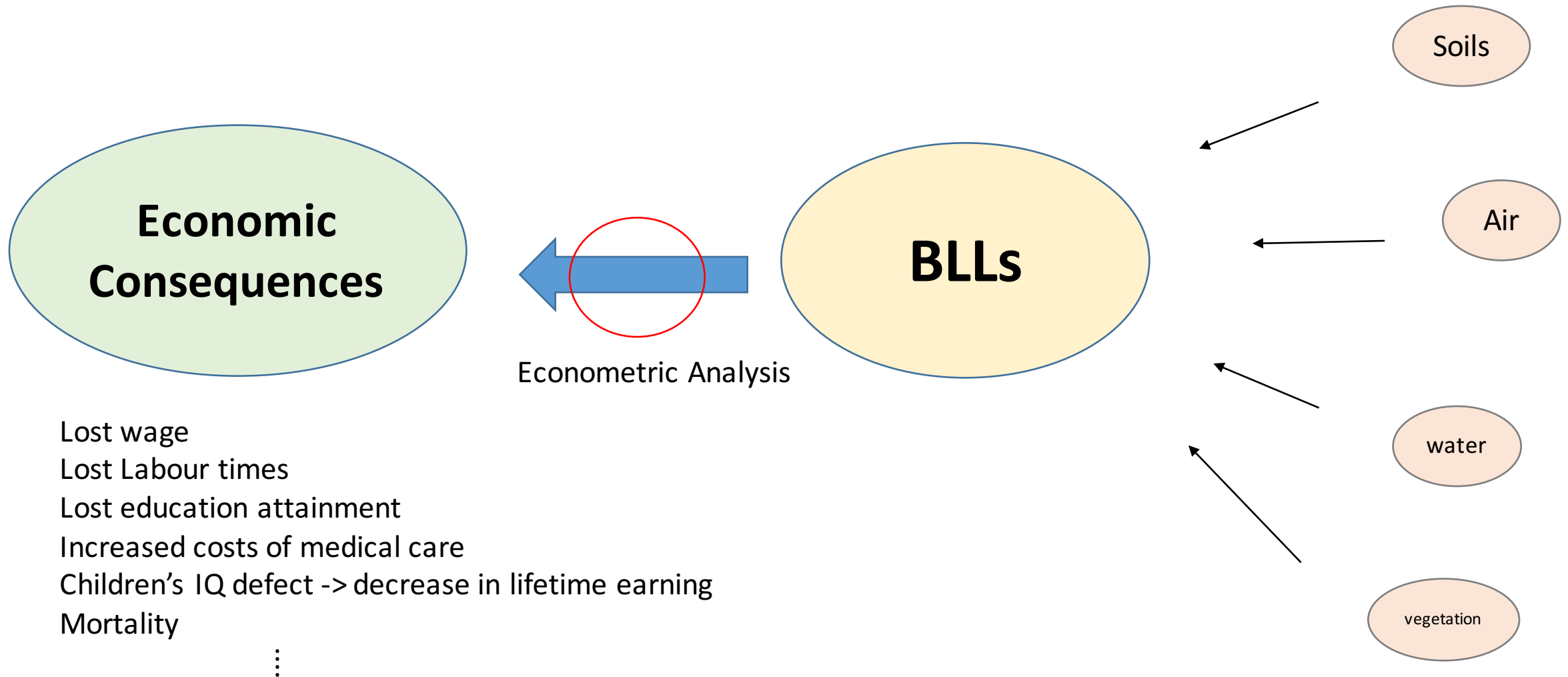


Group2  
(B) Economic Assessment  
2017 Plan

# Our current focus



# Household Survey Plan in 2017

- The household survey will be carried out in the summer 2017.
- The survey will target around 1000 households selected from the population of the entire Kabwe city.
- A contract will be made with a research agency, which will be responsible for the implementation phase of the survey.
- Computer-Assisted Personal Interviewing (CAPI) will be adopted.
  - ✓ Ensure data quality by reducing errors
  - ✓ Improve timeliness of data collection(The information is ready for statistical analysis as soon as surveying is completed. Changes in the structure of the questionnaire can be instantly reflected on the interviewers' devices...)
  - ✓ Cost-effective (The elimination of paper questionnaires, reducing printing costs and reducing the burden on field teams to ensure they have sufficient numbers of blank forms..)

ID	Task Name	April	May	June	July	August	September	October	November-February	March
1	Contract with a research agency	●								
2	Android tablet procurement	●								
3	Questionnaire implementation on tablets	●	●							
4	Field pre-test (Preparation of household lists)			●						
5	Modifications to questionnaire based on pre-test				●	●				
6	Fieldwork (1000 households)					●	●			
7	Data cleaning and analysis							● Short Stay of UNZA economics team at Hokudai	●	●
*	Visit to Zambia by Hokudai Economics team			○			○			4 ○



## Advancing CAPI technology with Survey Solutions

Survey Solutions is a free CAPI software developed by the World Bank which offers a cost-effective, sustainable solution for conducting complex, large-scale surveys.

The software combines rich data capture functionality on tablets with powerful tools for survey management and data aggregation, reducing the time lag between data collection and data analysis, dramatically improving data quality, and reducing survey costs. The ability to integrate household survey data with GPS coordinates, sensor data, time stamps, audio/video recordings and more opens up new and greater possibilities of tackling innovative, policy-relevant questions.

Survey Solutions also collects massive amounts of auxiliary data (known as paradata) on the interview process, such as time spent on each question, changes in interview assignments, and verification logs. This paradata can improve data quality by introducing Responsive Survey Design and Adaptive Survey Design techniques. To date, Survey Solutions has proved itself to be a robust instrument for data collection in all regions of the world.



### Survey Solutions at a glance

- ▶ Free Computer-Assisted Personal Interviewing (CAPI) software platform
- ▶ Out-of-the-box functionality for the complete value chain of survey data collection
- ▶ Rich data capture and the capacity to handle large multi-topic surveys and panel surveys
- ▶ Flexible data aggregation engine
- ▶ Powerful ability to manage large numbers of survey teams
- ▶ Cost-effective, sustainable solution for developing country institutions involved in data collection
- ▶ Fully compliant with local data privacy and confidentiality laws via hosting on local servers

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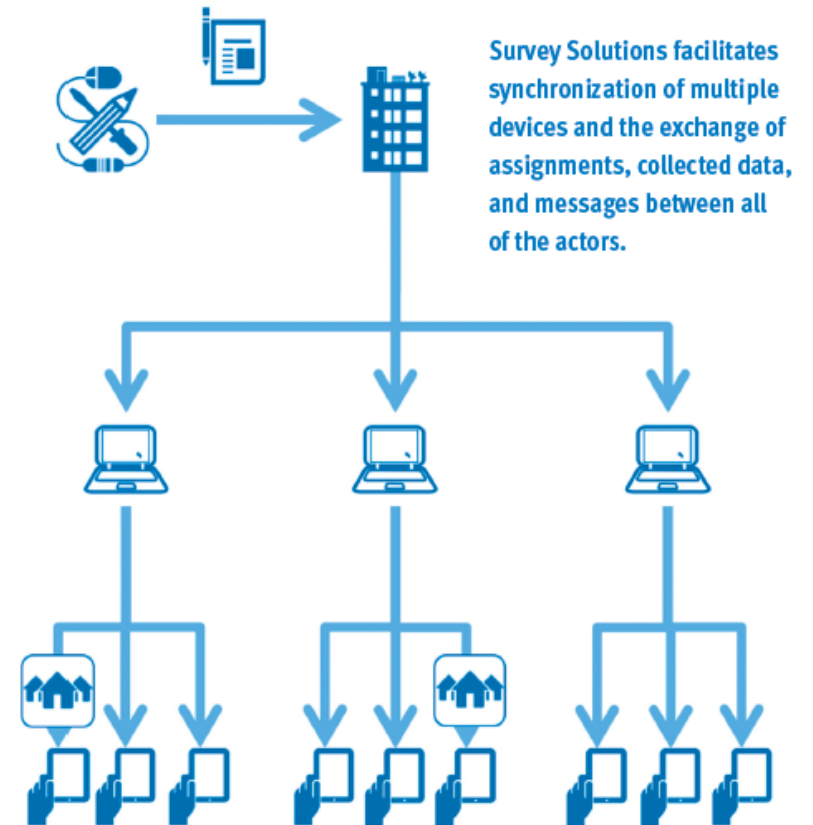
Survey Solutions is a system of multiple interacting software components. Each component facilitates the work of a particular actor: an interviewer, supervisor, survey administrator, and others. The multiple components are combined together in a hierarchical structure depicted here. At the top of the hierarchy there is a headquarter user that can start a new survey, specify the list of addresses to be visited, validate and export the data, build and analyze reports and perform other survey administration tasks.

Headquarter user imports the questionnaire from the designer component, which is a global networked tool for development of questionnaires for Survey Solutions.

The supervisors manage their respective teams of interviewers, distribute the assignments, and perform quality control of the incoming information.

The interviewers follow the assignments received from their respective supervisors to collect the information from the respondents in sampled households.

The Survey Solutions system facilitates synchronization of these multiple devices and exchanges the assignments, collected data as well as informational messages between all of the actors.



## Design questionnaires with ease

The Survey Solutions online questionnaire designer offers a collaborative platform for multiple users to develop and review questionnaires in any Unicode language. Innovative question options capture information that goes beyond pen and paper: the GPS location of the interview, a barcode, or the image of a house, person, document or product. Furthermore, it has never been easier to implement complex agricultural surveys with questions on multiple plots and crops than with the nested rosters available in Survey Solutions!

Automatic and manual validations allow for the implementation of data integrity checks of arbitrary complexity, from simple range checks to consistency checks involving complex combinations of multiple questions. C# syntax for validation and enablement conditions is supported by readily available and free documentation, training resources and an international community of millions of C# programmers.

Users can generate a PDF version of the Survey Solutions questionnaire with the click of a mouse in the designer application, as well as preview the questionnaire on a tablet with the Survey Solutions Tester app available in Google™ Play.

The online questionnaire designer offers a collaborative platform for multiple users to develop and review questionnaires in any Unicode language.

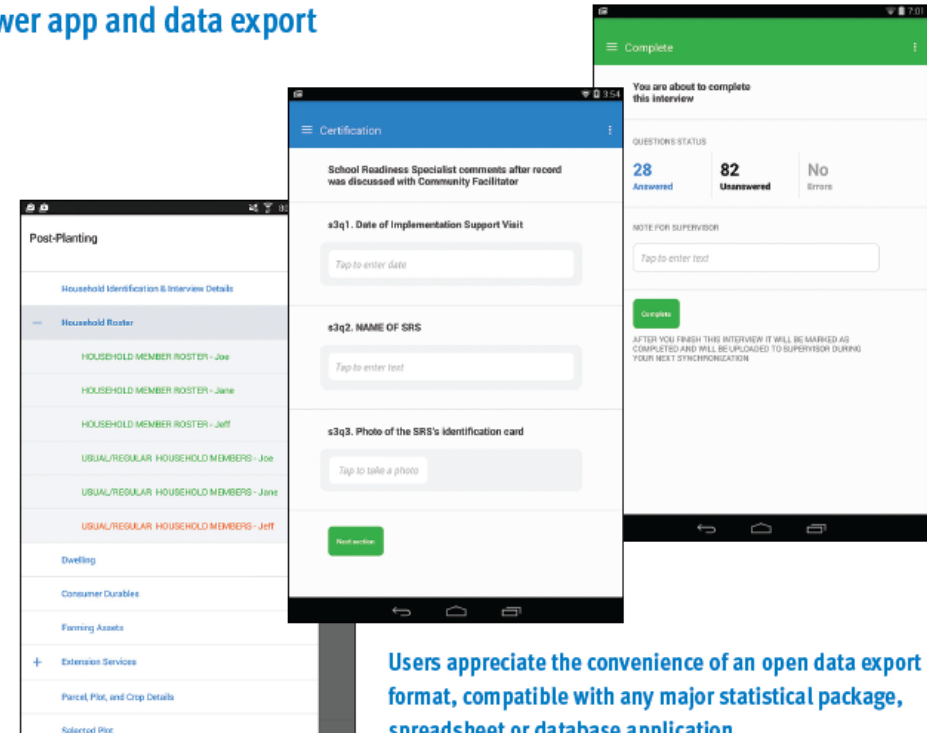


## User-friendly interviewer app and data export

The Survey Solutions interviewer application is responsive, easy to navigate and user-friendly, even for interviewers with little or no prior computer experience.

Data prefill and automatic creation of interview assignments simplifies the process of data collection for large surveys, and particularly for panel surveys.

Users of Survey Solutions appreciate the convenience of an open data export format, compatible with any major statistical package, spreadsheet or database application. Direct export to Stata,™ SPSS,™ and other binary formats simplifies the analysis of collected data.



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