

Belmont Forum

Scoping Workshop / November 28-29, 2016

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AFGROLAND

African Food, Agriculture and Land Use Change



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Project description

- The project aims to improve the understanding of how changes in the global agro–food–energy system affect countries in Africa.
- The project investigates the economic, social and environmental impacts of changes in land use patterns driven by global development trends.
- The international research team brings together researchers from two European and one African institution, as well partners in the case study countries.
- Case study areas are located in Kenya, Madagascar and Mozambique.

E-Infrastructure and Data Management

- Questionnaire of 1500 questions
- Use of tablets and **ODK (Open Data Kit)** for data collection
- **Forces:**
 - Offers greater flexibility
 - No need to transfer the data from paper to computer
 - Helps to reduce data collection mistakes (less processing stages, validity of questions can be managed through the code)
 - Possibility to send the data collected to a server accessible by « anyone »



Main issues

- Lack of infrastructure (electricity) and some people not used to these technologies
- New issues related to the data collection process
- Interoperability of data collected in different countries: languages, type of measures (metric or English system...), currencies, and local situation (for comparative approaches...)
- Ownership and future use of data (academics, local partners...)

Expectations

- Improve the quality of our data collection
- Working with other tools, like Ona.io (?), which offer the possibility:
 - to follow the progress of a survey using GPS location
 - to have immediately an overview of the data collected