



Technical Report

Training Course

on

Using Open Data Kit (ODK) in animal health surveys

26/27 & 30/31 July 2018

Tunisia, Sidi thabet

Organized by

International Center for Agricultural Research in the Dry Areas - ICARDA

Funded by

International Center for Agricultural Research in the Dry Areas - ICARDA

and

International Livestock Research Institute - ILRI



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EXECUTIVE SUMMARY

Name of the project

CGIAR Research Program on Livestock and Fish (CRP 3.7)

Partners

International Center for Agricultural Research in the Dry Areas - ICARDA

Specific outputs

A total number of 34 participants (17 males and 17 females) from Tunisian and Algerian institutions participated to the training: National School of Veterinary Medicine of Sidi Thabet (NSVM), The Institute of Veterinary Sciences of Constantine (Algeria) (IVSC), The Higher School of Agriculture of Mograne, Tunisia (HAS), The General Direction of Veterinary Services (GDVS), The Institute of Veterinary Research of Tunisia (IVRT) and The National Centre for Zoosanitary Vigilance (NCZV). Globally, the course targeted veterinary epidemiologists and agronomic engineers working in animal health field, specifically in designing and performing questionnaires to collect animal and herd data.

ORGANIZING COMMITTEE

Mediha Khamassi Khbou, INRAT, Researcher (Laboratory of Infectious Animal Diseases) - <mkhbou@hotmail.fr>

Mourad Rekik, ICARDA, Small Ruminant Production Scientist (SIRPS) - <m.rekik@cgiar.org>

Bastian Mueller, ICARDA, Technical E Learning - Communication Training Officer (CDU) - <B.Mueller@cgiar.org>

GENERAL OVERVIEW

Open Data Kit is a useful tool for data mobile collection in animal health surveys. It's used by thousands of users through the world, also adopted by WHO (World Health Organization) and CDC (Centers for Disease Control and Prevention). ODK requires a smartphone or tablet, and its big advantage is that it works in remote regions with no Internet connection.

COURSE STRUCTURE

The course accounted for a total of about 8 theoretical and practical hours during two days for each session. It was organized into 7 lectures, 4 the first day and 3 the second day:

1. Introduction to ODK (lecture)
2. The questionnaires in animal health (lecture)
3. Initiation to ODK on tablets and smartphones (lecture + practical)
4. Designing the questionnaire XLS Form on Microsoft Excel (lecture + practical)
5. Creation of new Google sheet and link with the questionnaire (lecture + practical)
6. Conversion of the questionnaire from .xl to .xml online (lecture + practical)
7. Data recuperation from Google Sheet for analyze (lecture + practical)

Two demonstrative surveys were prepared and shared with trainees. The first one was tested on ODK immediately by the trainees to show them the different functionalities on tablets.

The second survey (questionnaire) was prepared on paper and the trainees were invited to repeat the whole steps until recuperating data on Google sheet.

COURSE IMPLEMENTATION

The course implementation and program is summarized in the course agenda (Annex 1). High level of commitment and presence was shown by all the trainees throughout the theoretical and the practical parts of the course.

GROUP ASSESSMENT

At the end of the training, each participant provided feedback on their perception of the effectiveness of the training process, format and content. Through training evaluation questionnaires, various evaluations were carried out during the course, including the meeting room, the documentation, organization... Regarding the overall organization of the training course, all the participants qualified it as very good or excellent. Some participants expressed their interest in giving more time for the course and suggested three full days.

GENERAL COURSE EVALUATION by TRAINEES

At the end of the training, each participant provided feedback on their perception of the effectiveness of the training process, format and content. Through training evaluation questionnaires, various evaluations were carried out during the course, including the meeting room, the documentation, organization. Regarding the overall organization of the training course, all the participants qualified it as very good or excellent. Some participants expressed their interest in giving more time for the course and suggested three full days.

CONCLUSION

The course was successful in reaching its specific objectives and much appreciation was expressed by the participating trainees. The course was a forum for very fruitful and constructive discussions and was enriched by the different institutions' cases (second session) which were presented by the participating trainees. In the post-course, it looks very clear that a network of knowledge sharing is already being established between the trainees with a support from NSVM scientists.

Annex I: Trainers

Trainers	Name & Surname	Institution	E-mail
1	Mediha Khamassi Khbou	Manouba University, National School of Veterinary Medicine of Sidi Thabet	mkhbou@hotmail.fr

Annex II: Course Program

Course N°	Title	Time
FIRST DAY		
	Registration	8:30-9:00
Course 1	Introduction to ODK	9:00-9:15
Course 2	Questionnaires in animal health	9:15-10:00
Course 3	Practical initiation to ODK on tablets	10:00-11:00
	Coffee-break	11:00-11:30
Course 4	Designing questionnaire in XLSForm	11:30-13:00
SECOND DAY		
Course 5	Creation of Google sheet (blank) on Google Drive	9:00-9:30
Practical course	Transforming a questionnaire from paper to ODK	9:30-13:00
	Coffee-break	11:00-11:30
Course 6	Conversion of the questionnaire to .xml	11:30-12:30
Course 7	Recuperation of data from Google sheet for analyzing process	12:30-13:00
	Certificates distribution	