



Technical Report

Training Course

on

Questionnaire Design, Data Management, Analysis, and Reporting in Socio-economics Research: Towards Sustainable Agricultural Productivity in Arab Countries

24 Nov, 2019 - 28 Nov, 2019

Jordan, Amman

Organized by

International Center for Agricultural Research in the Dry Areas - ICARDA

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EXECUTIVE SUMMARY

Name of the project

Strengthening Innovation and Technology Adoption towards Sustainable Agricultural Productivity in Arab Countries

Partners

International Center for Agricultural Research in the Dry Areas - ICARDA

Purpose of the project

The objectives of the AFESD funding is to deliver products (crop cultivars), information and knowledge, services (training and seeds) in the five targeted countries of Egypt, Jordan, Lebanon, Morocco, and Sudan. It also integrates food crops, forages, range and integrated crop and pest management practices targeting rain fed (Morocco and Lebanon) and irrigated (Egypt and Sudan) agro-ecologies. The agro-pastoral (Jordan) production system is targeted in Jordan.

Specific objectives of the training course on contemporary approaches to extension

Up to date knowledge, empowering and enhancing capacity of agricultural economists engaged in the project “Strengthening Innovation and Technology Adoption towards Sustainable Agricultural Productivity in Arab Countries” with the required skills to assess, formulate and helping on the implementation of project socio economic activities in the three concerned countries.

Specific outputs

Three professionally trained National Agricultural Research Systems (NARS) partners (1 female, 2 males) from Sudan, Lebanon, and Jordan have been trained on Questionnaire Design, Data Management, Analysis, and Reporting in Socio-economics Research.

GENERAL OVERVIEW

In the frame of the project “Strengthening Innovation and Technology Adoption towards Sustainable Agricultural Productivity in Arab Countries”, a training course entitled “Questionnaire Design, Data Management, Analysis, and Reporting in Socio-economics Research” has been delivered. This training workshop was targeting the professional socio-economists who are engaged in the socio-economic component of this project. The course was designed to enable the participants from Sudan, Lebanon, and Jordan to effectively contributing to the project socio-economic activities implementation.

COURSE STRUCTURE

This training workshop was designed to provide participants with structured frameworks and tools to:

- Conduct impact assessment studies, livelihood analysis, economic modeling and evaluation of agricultural technologies, value chain analysis and assess value chain issues
- Understanding survey methods, questionnaire design, sampling, data collection, management, and analysis using SPSS Software
- Supporting the AFESD project socio-economic team on the deliverables committed in the frame of this project. It was structured to cover the following four components:
 - An introduction to the advanced methods, tools and state-of-the-art in Impact assessment and livelihood analysis
 - Economic assessment of agricultural technologies
 - Value chain analysis
 - Survey methods, Questionnaire design, Sampling, Data collection, Management, and Analysis using SPSS Software

This training program was comprehensive, divided into five major thematic areas:

- Theme I: Overview, concepts and approaches on impact assessment and livelihood analysis,
- Theme II: Value chain analysis, survey methods, questionnaire design, and sampling
- Theme III: Data collection, management, and analysis using SPSS software
- Theme IV: Practical sessions and data entry, coding, and analysis using SPSS software
- Theme V: Warp up, way forward (reporting, publications, and technical annual meetings)

COURSE IMPLEMENTATION

The training workshop was designed to be interactive and participatory where discussion and debate were encouraged. The training was based also on sharing participants thoughts, experiences, and involvement on the five covered topics. With respect the training methods and activities, a comprehensive approach, including intensive theoretical lectures have been adopted. This process was supported, first, by exercises and practical sessions with the purpose to help participants on applying some of the course themes, and second by an extensive reading list covering all topics and designed as references to be used in their future researches.

Annex I: Trainers

Trainers	Name & Surname	Institution	E-mail
1	Boubaker Dhehibi	ICARDA	B.Dhehibi@cgiar.org

Annex III: General Course Evaluation

1. Content

Item/rating/percentage	Overall Average
The training course is relevant to my job	5.00
The subject matter of the training was understandable	5.00
The objectives of the course were clearly communicated	5.00
The level of the lectures was appropriate	4.67
The time allocated for discussions was appropriate	5.00
The possibilities for interaction with participants enrolled in the course was appropriate	5.00
Overall, how would you rate this course?	5.00

2. Schedule and time allocation

Item/rating/percentage	Overall Average
The time allocated to lectures was appropriate	4.67
The lectures were useful	5.00
The time allocated to the technical field/lab visits was appropriate	4.00
The technical field/lab visits were useful	4.00

3. Teaching and/or Learning aids

Item/rating/percentage	Overall Average
The use of teaching aids was effective	5.00
The teaching materials and presentations were clear	5.00
The handouts and additional material provided were useful	5.00

4. Administrative arrangements

Item/rating/percentage	Overall Average
Pre-course communication	5.00
Travel arrangements	5.00
Quality of the accommodation	3.33
Payment of allowance on time	4.33
Transportation	5.00
Comfort and suitability of the lectures rooms	5.00

Annex IV Comments and suggestions

a) Please state the three most important ideas/concepts that you learned from this course:

- assessment the new technologies : cost benefit analysis ,partial budget , impact assessment of the technologies, adopting the new technologies and how we can measure the adopt and determined the constraint and opportunity of the adopt these technologies
- - Statistical analysis use Spss software : Correlate , cluster, regression, - Value chain analysis
- reporting: how we can write the report to show and present the my actual work in the project beside to arrange the ideas in easy and clear way
- Economics assessment of Agricultural technologies: cost benefit analysis of technologies using partial budget analysis
- Qualitative and quantitative analysis using SPSS software
- Impact assessment of agricultural research: concept and measurement
- Concepts of livelihood approach, Economic assessment of agricultural technologies, Social assessment. and all the analysis related to the above
- Benefit and use of SPSS software
- Reporting

b) Suggestions for future improvement of the course:

- no comment , every thing excellent Thank you very much it was great and very useful course training for me
- It will be relatively longer (two weeks to more details on this content and add more content of agricultural economic analysis and concepts I think that field visits will be good to an idea about agricultural system in Jordan
- Advanced course on value chain analysis

c) Do you recommend this course to be repeated in the future?

Yes: 100.00%

No: 0.00%