



PROJET DE SOUTIEN AU PLAN REGIONAL DE LUTTE ET DE CONTRÔLE DES MOUCHES DES FRUITS EN AFRIQUE DE L'OUEST

**Note
conceptuelle**



Mis en forme : Police :45 pt

High Level Workshop on the Sustainability of Surveillance System (Ouagadougou / Burkina Faso, November 26-30, 2018)

Presentation note and agenda



Ce projet est cofinancé par l'Union Européenne et l'Agence Française de Développement



Projet mis en œuvre par le Consortium SOGEROM - COLEACP - BERD et le CORAF

1. Context

Fruit flies pests are an important issue for the horticultural sector in West African countries. They destroy 50 to 80% of fruit production. In 2016, they led to interceptions at the European Union's borders of a value of 9,000,000 euros worth of mangoes, ie more than one third of the total value of shipments that year.

The negative impact of these pests on the physical performances (yields), economic (income), commercial (exports, competitiveness) and financial performance of the fruit sectors (the mango sector, in particular) is very important. It is the whole horticultural sector of the countries in the region which is thus threatened with regression by these phytophagous insects.

To bring a response to the height of the scourge, ECOWAS launched, in 2008, the Support Project to the Regional Plan for the Control of Fruit Flies in West Africa, with the financial support of the EU and the AFD. The Project has essentially set up a surveillance system covering 11 of the 15 ECOWAS countries.

This system is a tool (i) for monitoring mango production in cultivation areas, (ii) evaluation of mango infestation rates, (iii) launching of alerts with different categories of actors in the sector. Articulated into one regional and one national components, the system is operational since December 2017. It is now ready to depart in extension dynamic towards a coverage of all cross-border crop enemies having a strong influence on the development of agricultural sectors in all ECOWAS countries.

This global management perspective on plant protection against pests such as fruit flies and other trans boundary pests will help to (i) reduce interceptions of mango shipments at the EU market entry and elsewhere, (ii) improve income of fruit and vegetable producers, in general, small producers, in particular, (iii) enhance food security, and (iv) reduce poverty in the ECOWAS region.

The present High Level Workshop for the sustainability of the surveillance system is part of this dynamic, presenting the developed systems and methods of capacity building and support to the ownership of the system by the actors (technical national plant protection services, producers and exporters / inter-branch fruit organizations in the mango sector), mobilizing national and regional decision makers to ensure the sustainability of its operation.

2. Objectives

2.1 General objective

The overall objective of this workshop is to help each beneficiary country of the project to have all the elements that will enable it to make the decision to finance the deployment of the monitoring system of the project for the control of fruit flies in West Africa, and be able to take full advantage of these campaign planning tools for cross-border pest. ECOWAS will thus be able to monitor and alert its member states of pest risks over the mango sector campaigns.

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2.2 Specific objectives

The specific objectives of the regional workshop are:

- introduce and discuss the fruit fly surveillance system, including technical features and features as designed and implemented by the ECOWAS Regional Fruit Flies Control Plan Support Project;
- define the most appropriate institutional organization at both regional and national levels for a sustainable ownership of the implemented monitoring system;
- define sustainable financing mechanisms for monitoring and access to control products for the appropriate management of the control of fruit linked to fruit fly alerts;
- make recommendations to be passed on to decision-makers at the regional level;
- develop a proposal for an additional act of decision that will be transmitted to ECOWAS for amendment and then submitted to the next Council of Ministers of ECOWAS, or even to the Regional Council of Heads of State.

3. Résultats attendus

It is expected at the end of the workshop:

- presentation of the surveillance system and its functionalities as conceived and implemented by the Fruit Fly Project in the ECOWAS area since the end of 2016 is done and followed by discussion and validation.
- Ownership structures-institute and management of the surveillance system (including public and private actors) are discussed and recommendations are made;
- durable financing mechanisms to ensure the sustainability of the surveillance system by the regional level, beneficiary states and private actors are analyzed and recommendations made;
- Recommendations were made by participants on mechanisms to access to control products for the management and alerts follow up for effective and sustainable fruit fly control be available.
- a summary of the recommendations adopted by the participants is drawn up in French, English and Portuguese;
- a workshop report is developed

4. Methodological approach

The workshop will take place in two sessions:

- **A session of technical stakeholders and field workers from 26 to 28 November**, which will be marked by alternating theoretical presentations and moderated discussions by a facilitator:
- **A session of high-level officials, from 29 to 30 November**, which will bring together General Secretaries or representatives of the Ministers of Agriculture of the beneficiary countries of the project, the technical

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cooperation and financial partners, representatives of the mango inter-branch organizations and firms specialized in monitoring equipment supply and / or control products supply, to review the conclusions and recommendations of the technical session.

The main presentations in session of the technical managers and field actors are:

- 1) **Presentation of the Surveillance system in place (Kémo BADJI).** The vision and methodology of the monitoring system in place for fruit fly populations will be presented. The approach is proposed to widen the plateau of the monitoring of major cross-border pests.
- 2) **Presentation - Demonstration 1- Management of monitoring data - The database (Jorgen Axelsen).** An online accessible database developed for better management of the biotic and abiotic data collected by the system in place will be presented. A demonstration of data entry programs, remote importing data files facilities by observers (countries) and querying of ECOWAS-FF data will be done by the regional administrator and the country-designated Super-users.
- 3) **Presentation of the decision support system and updates (Kémo BADJI).** The vision of the decision support system developed, which is to analyze the interactions between observed pest densities, climatic conditions (solar radiation, temperature and humidity) and mango (cultivated varieties, their flowering period, fruit set, development and fruit ripening) will be presented. This multifactorial analysis suggests an expected production and a risk of production loss. According to the value chains that are supplied and to minimize production losses in the plots concerned, a treatment decision is proposed on a large scale.
- 4) **Presentation - Demonstration 2: Technical Modules of the Decision Support System. (Jorgen Axelsen)** A demonstration of the functioning of the decision support system developed with the simulation of the different interactions (host-pests) will be carried out. The different outputs (results) concerning the population densities, the phenological stages of the different varieties, the production, and infestation and fruit loss rates, the economy of the orchard as well as that of the estimated national plan will be discussed. The results will allow the system to be calibrated for national and regional use.
- 5) **Presentation of the Warning System (Kémo BADJI).** An alert system connected to the ECOWAS FF database is developed in order to bring the information of the appropriate decision taken as a result of the analyzes of the interactions between the host-pest plants (varieties) to the different actors that are the regional services of plant protection, producers organized as a control brigade, exporters and technical decision-makers at the regional and national levels. The system, coupling alerts via SMS and email, is in place to serve as channels of information dissemination and will be presented.
- 6) **Presentation - Demonstration 3: Modules of the warning system (Malik Tiemogo).** A demonstration of functioning of the developed warning system will be carried out online with the importation of the geo-referenced physical positions of the orchards which require an economically and justified control intervention. Producer must earn income if he comes to treat his field. Results of the

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discussions will allow the system to be calibrated for national and regional use. A representative from APROMAB producer organization will speak to explain how alerts are handled in the field.

- 7) **Presentation on the Study of Sustainability of the Surveillance System (Richard Adjobo).** A study was committed to identify sustainability of the system in place in terms of interest of different organization of the various actors, and the costs associated with the operationalization of the surveillance system both at the regional and national levels. The sustainability of the system, ranging from the collection of biotic and abiotic data on all the geo-referenced observation points, the keeping of the decision support analysis and of interventions on economic threshold by brigades, the dissemination of information within the groups of actors require a funding. Presentation will save the proposals of the contributions of the actors met in keeping the system running way forward.

5. Dates and venue

The workshop will be held from 26th to 30th of November 2018 in Ouagadougou / Burkina Faso.

6. Participants

The meeting will bring together ninety (90) participants, including:

- General Secretaries of Ministries in charge of Agriculture or Ministers representatives;
- National Plant Protection Directors Officials;
- Representatives of research institutions (specialists in plant protection against pests);
- Representatives of mango intercessions
- Representatives of active firms in the field of control products and monitoring equipment;
- representatives of mango exporters;
- ECOWAS Directorate of Agriculture and Rural Development;
- the ECOWAS Directorate of the Environment;
- ARAA;
- Agriculture Directorate of UEMOA;
- CORAF;
- Sahelian Pesticides Committee.

Countries that will be invited to take part in this workshop are: Benin, Burkina Faso, Côte d'Ivoire, The Gambia, Ghana, Guinea Bissau, Guinea, Senegal, Togo and Senegal. Nigeria.

7. Workshop agenda

8.2 Session of the technical managers and actors in the field (stakeholders) :

Monday, November 26, 2018

- 8:00 - 9:00 Welcoming participants
- 9 :00 - 10:00 Opening remarks :
- o Welcome speech by Mr. Nata TRAORE – DPVC Director of Burkina ;;
 - o Address of AFD representative in Burkina Faso;
 - o Statement by Mr Sékou Sangaré, ECOWAS Commissioner of Agriculture and Rural Development;
 - o Opening speech by the Minister of Agriculture of Burkina Faso
- 10:00 - 10:30 Presentation FF Surveillance System in Place (Kémo BADJI)
- 10:30 – 11:00 Coffee break**
- 11:00 – 13:00 Presentation - Demonstration - Monitoring Data Management 1 - The Database (Jorgen Axelsen)
- 13:00 – 14:30 Lunch break**
- 14:30 – 15:15 Presentation of the decision support system and updates (Kémo BADJI)
- 15:15 – 16:00 Presentation - Demonstration of Technical modules included in the decision support system. (Jorgen Axelsen)
- 16 :00 – 16 :30 Coffee break**
- 16 :30 – 18 :00 Discussions

Tuesday November 27, 2018

- 9.00 – 9.45 Presentation of the ECOWAS FF-Warning System (Kémo BDJI)
- 9.45 – 10.30 Presentation-Demonstration ECOWAS FF-Warning System Modules (Malik Tiemogo)
- 10.30 – 11.00 Coffee break**
- 11.00 – 13.00 Discussions
- 13.00 – 14.30 Lunch break**

14.30 – 15.00	Presentation of the Study for Sustainability of the Surveillance System (Richard Adjobo)
15.00 – 16.30	Discussions
16.30 – 17.00	Coffee break
17.00 – 17.30	Synthesis of the recommendations of the technical session (Facilitator)

Wednesday, November 28, 2018

9.00 – 12.00	Drafting report of the Technical Session (Facilitator, Project Team)
12.00 – 13.00	Discussions and validation of the draft report of the Technical Session
13.00 – 13.30	Workshop Closure
13.30 – 15.00	Lunch break

NB. Afternoon: presentation of conclusions report and distribution to the participants of the High Level Session

8.3 . Session of senior (High level) officials

Thursday, November 29, 2018

8h00 - 9h00	Welcoming participants
9h00 - 10h00	Opning : <ul style="list-style-type: none"> o Welcome speech by Mr. Nata TRAORE – DPVC Director of Burkina ,; o Address of AFD representative in Burkina Faso; o Statement by Mr Sékou Sangaré, ECOWAS Commissioner of Agriculture and Rural Development; o Opening speech by the Minister of Agriculture of Burkina Faso
10.00 – 10.30	Coffee break
10.30 – 11.00	Technical Session report presentation (Facilitator)
11.00 – 13.00	Discussion and adoption of the Technical Session report
13.00 – 15.00	Lunch break
15.00 – 15.30	Presentation of the Final draft “Communiqué” of the High Level Session

15.30 – 16.30 Discussion and adoption of the Final draft “Communiqué” of the High Level Session

16.30 – 17.00 Closing of the High Level Session

17.00 – 17.30 Coffee break

16.30 - 18.00 Discussions

Friday, November 30, 2018

9.00 – 10.30 Validation of the conclusions of decision-makers (Facilitator)

10.30 – 11.00 Coffee break

11.00 – 12.30 develop a proposal for an additional act of decision that will be transmitted to ECOWAS for amendment and then submitted to the next Council of Ministers of ECOWAS, or even to the Regional Council of Heads of State

12.00 – 14.30 Lunch break

14.30 – 15.00 Closing and participant departures