



Data Mining to Support Food Monitoring Data Collection & Food Risk Assessment Capacity Building Workshop for Food Safety Regulatory Professionals

Date

26 February – 1 March, 2023

Location

Cairo, Arab Republic of Egypt

Trainers

Dr. Silvia Dominguez

Dr. Jérémie Théolier

Dr. Wiem Guissouma

Dr. Karima Zouine

Prof. Samuel Godefroy

General Outline

This capacity building program involves two initiatives funded by the *Ministère des Relations internationales et de la Francophonie du Québec* and granted to the Platform of Food Risk Analysis and Regulatory Excellence (PARERA) of Laval University, and the Global Food Regulatory Science Society (GFORSS). The objective is:

- ❖ To review and deliver a training on the reliance on data mining activities to support the collection and analysis of food monitoring data.
- ❖ To conduct a practical training on the risk assessment for mycotoxins and particularly aflatoxins in food available for sale in the Arab Republic of Egypt and other areas of the Arab region, using probabilistic exposure assessment approaches.

This training is open to candidates who have already received initial foundations of food risk assessment training or are already professionals working in areas of food risk assessment.

The training will result in the production of practical deliverables in the form of:

- ❖ Initial sketch for food monitoring program – along with data extracted and analysed from existing food occurrence data
- ❖ A probabilistic exposure assessment carried out with existing / extracted data on mycotoxin occurrence in food

Funded by : the Ministère des Relations internationales et de la Francophonie du Québec.

Implemented jointly by: Global Food Regulatory Science Society and Université Laval, Platform of Food Risk Analysis and Regulatory Excellence.

In partnership with: National Food Safety Agency, Egypt (NFSA), Egyptian Organization of Standardization and Quality (EOS), Arab Industrial Development, Standardization and Mining Organization (AIDSMO), LandO'Lakes Venture 37.

Proposed Agenda Day 1

9:00 – 9:30	Official Opening ❖ Introductory remarks and welcome address ❖ Introduction from Partner Organizations
9:30 – 9:50	Introduction of Participants and Trainers
9:50 – 10:00	Introduction of the Training Objectives <i>Prof. Samuel Godefroy</i>
10:00 – 10:30	Health Break
10:30 – 11:15	Positioning Food Monitoring Activities in Risk Assessment – Importance for Food Regulatory Programs <i>Prof. Samuel Godefroy</i>
11:15 – 12:00	Consideration of the Various Facets of Food Monitoring Activities to Support Exposure Assessment and Other Food Regulatory Initiatives <i>Prof. Samuel Godefroy</i>
12:00 – 13:00	Lunch
13:00 – 13:45	Introduction of Data Mining <i>Dr. Jérémie Théolier</i>
13:45 – 14:30	Introduction of the Arab Food Monitoring Database – Methodology of Development and Implementation <i>Dr. Jérémie Théolier</i>
14:30 – 15:15	Introduction of a Practical Case to Extract Data from Relevant Publications on Mycotoxins in Food Available for Sale in Egypt <i>Dr. Jérémie Théolier</i>
15:15 – 15:45	Health Break
15:45 – 16:00	Recap of the Day's Activities and Review of Upcoming Activities

Proposed Agenda Day 2

9:00 – 9:45	Extraction and Management of Data from the Arab / Egyptian Occurrence Database <i>Dr. Silvia Dominguez</i>
9:45 – 10:30	Tabulation and Preparation of Data and its Interpretation <i>Dr. Silvia Dominguez</i>
10:30 – 11:00	Health Break
11:00 – 12:00	Foundations of the Development of a Food Monitoring Program <i>Prof. Samuel Godefroy and Dr. Jérémie Théolier</i>
12:00 – 13:00	Lunch
13:00 – 14:30	Group work on the Development of a Priority-Based Food Monitoring Program <i>Prof. Samuel Godefroy, Dr. Jérémie Théolier, Dr. Wiem Guissouma, Dr. Karima Zouine</i>
14:30 – 15:00	Health Break
15:00 – 15:45	Review of Consumption Data Sources in Support for Exposure Assessment <i>Dr. Silvia Dominguez</i>
15:45 – 16:00	Recap of the Day's Activities and Review of Upcoming Activities

Proposed Agenda Day 3

9:00 – 9:45 Risk Assessment Questions Related to Aflatoxins in Food and Planning of the Risk Assessment
Dr. Silvia Dominguez

9:45 – 10:30 Practical Case Study on Exposure Assessment: Aflatoxins in Food
Dr. Silvia Dominguez, Prof. Samuel Godefroy, Dr. Wiem Guissouma, Dr. Karima Zouine

10:30 – 11:00 Health Break

11:00 – 12:00 Continuation of the Practical Exposure Assessment Case Study

12:00 – 13:00 Lunch

13:00 – 14:30 Continuation of the Practical Exposure Assessment Case Study

14:30 – 15:00 Health Break

15:00 – 16:00 Update from Groups on Exposure Assessment/Risk Assessment Development Progress

Proposed Agenda Day 4

- 9:00 – 10:30** **Reporting from Groups in the Form of Publications Being Developed on:**
- ❖ Food occurrence data analysis
 - ❖ Development of a priority-based Food Monitoring Program
 - ❖ Development of an exposure assessment scenario for aflatoxins in food

10:30 – 11:00 *Health Break*

11:00 – 12:00 **Continued Reporting (in Writing) and Preparation of the Presentations**

12:00 – 13:00 *Lunch*

13:00 – 14:30 **Group Reports on their Draft Publications and Discussion of Next Steps**

14:30 – 15:00 *Health Break*

- 15:00 – 16:00**
- ❖ Discussion of Next Steps
 - ❖ Delivery of Certificates
 - ❖ Closing Remarks