

## **From Biological Efficacy to Program Effectiveness** **(The case of Food Fortification)**

### **Session Description**

This session is co-organized by the Unit of Micronutrients of WHO; the International Micronutrient Malnutrition Prevention and Control (IMMPaCt) of the USA-CDC; and the Project A2Z, the USAID global micronutrient and child blindness project. The session is going to describe the different components of a food fortification program that are needed to assure program effectiveness. Biological impact of any micronutrient intervention depends on the magnitude of the additional intake to fill the nutrient gap of the individuals at risk, while the epidemiological efficacy is related to the proportion of the vulnerable population that reaches that condition.

Researchers and program managers from different programs in developing countries are going to present the scientific basis and the programmatic experiences of different components of food fortification programs. Topics would include the scientific evidence, the importance of prior assessment, the basis of the recommendations for standards, premix production, role of the food industry, food control, and process and effectiveness monitoring and evaluation.

### **Purpose**

To show that food fortification programs might be effective interventions if they are conceptualized as comprehensive programs; the impact is not due to the production of fortified foods but the existence of integral programs carried out by the industry, supervised by the government, and guided and evaluated by research institutions in public health nutrition..

### **Session Chair:**

Dr. Juan Pablo Peña Rosas, Unit of Micronutrients, WHO, Geneva

### **Session Topics and Speakers:**

**Topic 1:** *Elements of a Food Fortification Program: Functions and Players (15 min\*)*

**Speaker:** Dr. Omar Dary, A2Z/the USAID Micronutrient Project

**Topic 2:** *Scientific evidence behind food fortification: Zinc as an example (15 min\*)*

**Speaker:** Dr. Daniel Lopez de Romaña, Institute of Nutrition and Food Technology of Chile (INTA)

**Topic 3:** *Dietary Assessment for Improving the Design of Food Fortification Programs (15 min\*)*

**Speaker:** Dr. Suzanne Murphy, University of Hawaii

**Topic 4:** *FFI Recommendations for Fortification of Wheat Flour (15 min\*)*

**Speaker:** Dr. Rafael Flores, Director of IMPPaCT/CDC

\* Includes questions and answers.

**BREAK FOR ARRANGEMENT OF PANEL**

**PANEL:** 10 minutes each one.

**Topic 5:** *Micronutrient Premix Production and Control*

**Speaker:** Eng. Hector Cori, Micronutrient Unit, DSM

**Topic 6:** *Role of the Food Industry*

**Speaker:** Dr. Visith Chavasit, Mahidol University, Thailand

**Topic 7:** *Food Control: Internal and External*

**Speaker:** Dr. Wilma Freire, University San Francisco, Ecuador.

**Topic 8:** *Process Monitoring*

**Speaker:** Dr. Soekirman, Chairman of the Indonesian Coalition for Fortification, Indonesia.

**Topic 9:** *Effectiveness Monitoring and Evaluation*

**Speaker:** Dr. Noel Solomons, CESSIAM, Guatemala

General Discussion and Conclusions (30 minutes).