



## The 2<sup>nd</sup> MycoKey technological workshop

### MycoKey: a new approach for mycotoxin management in the maize chain in East Europe June 7-8, 2018, Bucharest, Romania

#### Speakers:

CNR-ISPA - Antonio F. Logrieco  
IITA - George Mahuku  
IITA - Alejandro Ortega-Beltran  
UGENT - Geert Haesaert  
Università Cattolica del Sacro Cuore - Paola Battiliani  
Università Cattolica del Sacro Cuore - Alessandra Lanubile  
Iowa State University - Gary Munkvold  
Cereal Research Non-Profit Ltd. - Mesterházy Ákos  
Association of Italian Maize Producers - Marco Aurelio Pasti  
National Institute for Agriculture Research and Development-Fundulea - Ion Ciocazanu  
National Institute of R&D for Machines and Installations Designed to Agriculture and Food Industry - Alexandru Zaica  
National Meteorology Administration (Romania) - Elena Mateescu  
Syngenta Agro SRL - to be defined  
The Romanian Employers' League of the Milling, bakery and Flour Based products Industry - Daniela Voica  
University of Agronomic Sciences and Veterinary Medicine of Bucharest - Florentina Israel Roming  
National R&D Institute of Food Bioresources – IBA Bucharest - Irina Smeu

#### Main topics:

- **Mycotoxins: general issues and economical aspects**
  - Health and economic benefits of aflatoxin mitigation in Africa
  - The economic impact of mycotoxins on maize chain
- **Mycotoxin monitoring and smart cropping measures**
  - Agronomic pathways and cropping factors for sustainable mycotoxin management in maize crops
  - MycoKey actions on maize: 2016-2017 survey to decrease the risk of aflatoxin contamination in Romania
  - Agribusiness challenges and smart cropping measures in maize production
  - Pre- and post-harvest management of mycotoxins contamination in Sub-Saharan Africa
  - Insect management and other practices to reduce *Fusarium* toxin risks in maize production
- **Prevention in the field**
  - Romanian maize hybrids: behavior and fungal resistance
  - A smart breeding approach to attain durable resistance to *Fusarium* and mycotoxin contamination in maize
  - Resistance relations in maize to *A. flavus*, *F. graminearum* and *F. verticillioides*
  - Predictive models for toxigenic fungi and major mycotoxins in crop eco-systems. AFLA biocontrol in Europe
  - Effective fungicide application for toxigenic fungi control
  - Climate change impact on agricultural systems



- **A focus on maize related issues**
  - Key challenges in maize production
  - ROMPAN and Romanian milling industry involvement in the prevention contamination of cereals with mycotoxins
  - Technologies and technical equipment used in maize culture
- **Effective dialogue between researchers and the audience**

### MycoKey Workshop

**Venue: University of Agronomic Sciences and Veterinary Medicine of Bucharest**

59 Marasti Bv., 1<sup>st</sup> district, 011464 Bucharest

<b>Day 1 – Thursday, 07 June 2018</b>	
8:00 – 9:00	Registration and coffee
9:00 – 9:20	Welcome address & introduction – University of Agronomic Sciences and Veterinary Medicine of Bucharest & National R&D Institute of Food Bioresources – IBA Bucharest <b>USAMV Bucharest &amp; IBA Bucharest</b>
9:20 – 9:40	MycoKey project <b>CNR-ISPA: Antonio F. Logrieco</b>
<b>1<sup>st</sup> Session: Mycotoxins: general issues and economical aspects</b>	
9:40 – 10:00	Health and economic benefits of aflatoxin mitigation in Africa <b>IITA – Alejandro Ortega-Beltran</b>
10:00 – 10:20	The economic impact of mycotoxins on maize chain <b>USAMV Bucharest: Florentina Israel-Roming</b>
10:20 – 10:40	<b>Coffee break</b>
<b>2<sup>nd</sup> Session: Mycotoxin monitoring and smart cropping measures</b>	
10:40 – 11:00	Agronomic pathways and cropping factors for sustainable mycotoxin management in maize crops <b>UGENT: Geert Haesaert</b>
11:00 – 11:20	MycoKey actions on maize: 2016-2017 survey to decrease the risk of aflatoxin contamination in Romania <b>IBA: Irina Smeu</b>
11:20 – 11:40	Agribusiness challenges and smart cropping measures in maize production <b>Syngenta Agro SRL: to be defined</b>
11:40 – 12:00	Pre- and post-harvest management of mycotoxins contamination in Sub-Sahara Africa <b>IITA: George Mahuku</b>
12:00 – 12:20	Insect management and other practices to reduce Fusarium toxin risks in maize production <b>Iowa State University: Gary Munkvold</b>
<b>12:20 – 13:20</b>	<b>Lunch</b>
<b>3<sup>rd</sup> Session: Prevention in the field (I)</b>	
13:20 – 13:40	Romanian maize hybrids: behavior and fungal resistance



	<b>National Institute for Agriculture Research and Development-Fundulea: Ion Ciocazanu</b>
13:40 – 14:00	A smart breeding approach to attain durable resistance to <i>Fusarium</i> and mycotoxin contamination in maize <b>UCSC: Alessandra Lanubile</b>
14:00 – 14:20	Resistance relations in maize to <i>A. flavus</i> , <i>F. graminearum</i> and <i>F. verticillioides</i> <b>Cereal Research Non-Profit Ltd.: Ákos Mesterházy</b>
<b>14:20-14:50</b>	<b>Coffee break</b>
<b>3<sup>rd</sup> Session: Prevention in the field (II)</b>	
14:50 – 15:10	Predictive models for toxigenic fungi and major mycotoxins in crop eco-systems. AFLA biocontrol in Europe <b>UCSC: Paola Battilani</b>
15:10 – 15:30	Effective fungicide application for toxigenic fungi control <b>CNR-ISPA: Antonio F. Logrieco</b>
15:30 - 15:50	Climate change impact on agricultural systems <b>National Meteorology Administration: Elena Mateescu</b>
<b>4<sup>th</sup> Session: A focus on maize related issues</b>	
15:50 – 16:10	Key challenges in maize production <b>Association of Italian Maize Producers: Marco Aurelio Pasti</b>
16:10 – 16:30	ROMPAN and Romanian milling industry involvement in the prevention contamination of cereals with mycotoxins <b>The Romanian Employers' League of the Milling, bakery and Flour Based products Industry: Daniela Voica</b>
16:30 – 16:50	Technologies and technical equipment used in maize culture <b>National Institute of R&amp;D for Machines and Installations Designed to Agriculture and Food: Alexandru Zaica</b>
<b>6<sup>th</sup> Session: Effective dialogue between researchers and the audience</b>	
16:50 – 17:10	General discussion and closing <b>CNR-ISPA: Antonio F. Logrieco</b>
17:10 - ...	<b>Coffee break and networking</b>