



## Segreteria scientifica

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## Segreteria organizzativa

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## Invited speakers

### **Katleen Baert**

EFSA, Parma, Italy

### **Paola Battilani**

UNICATT, Piacenza, Italy

### **Silvio Borrello**

MINSAL, Rome, Italy

### **Carlo Brera**

ISS, Rome, Italy

### **Renata Clarke**

FAO, Rome, Italy

### **Barbara De Santis**

ISS, Rome, Italy

### **Beatrice Lorenzin**

MINSAL, Rome, Italy

### **Isabelle Oswald**

INRA, Toulouse, France

### **Walter Ricciardi**

ISS, Rome, Italy

### **Daniela Rodorigo**

MINSAL, Rome, Italy

### **Giuseppe Ruocco**

MINSAL, Rome, Italy

### **Paul Turner**

University of Maryland, USA

### **Bernhard Url**

EFSA, Parma, Italy

### **Frans Verstraete**

DG SANTE, Bruxelles, Belgium

### **Susana Viegas**

ESTeSL/IPL, Lisbon, Portugal

### **Felicia Wu**

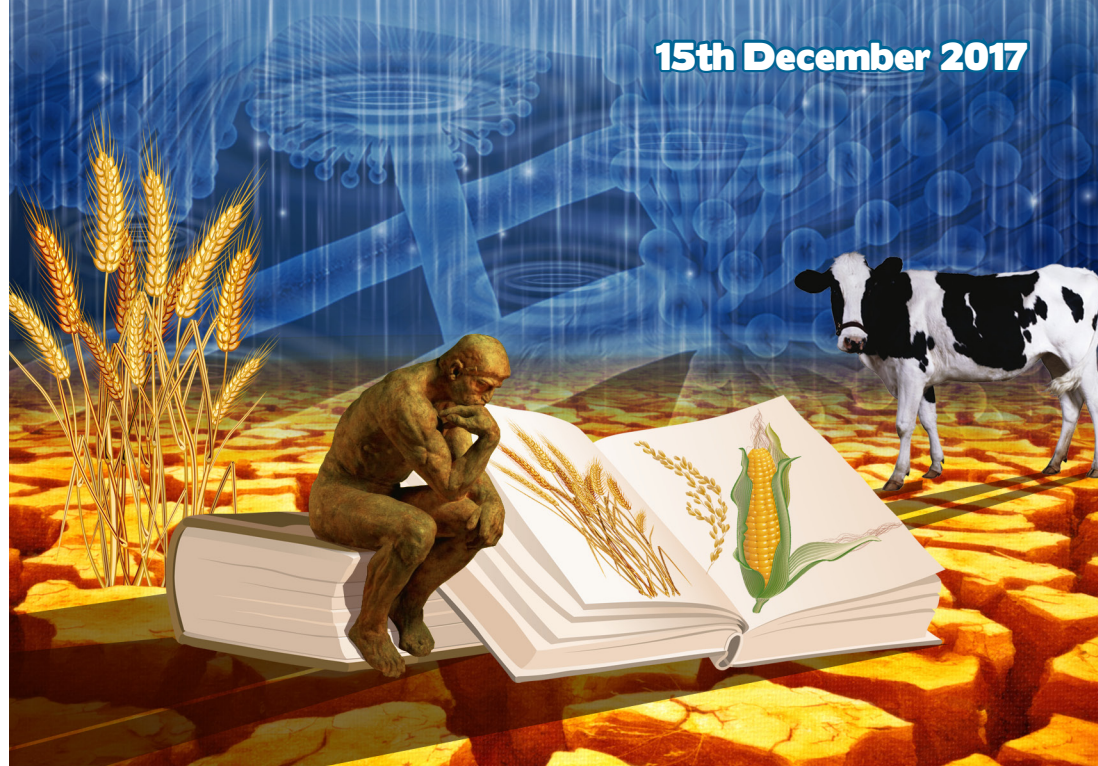
WHO, Michigan, USA



# INTERNATIONAL CONFERENCE THE BURDEN OF MYCOTOXINS ON ANIMAL AND HUMAN HEALTH

Auditorium, Ministry of Health  
Viale Giorgio Ribotta 5, Rome

**15th December 2017**





## Objective of the Conference

The presence of mycotoxins in the agri-food chain is representing a more and more challenging issue for animal and public health. This aspect is based upon the inherent multifaceted implications that these toxic compounds induce. Agronomic, economic, productive, industrial and sanitary issues are, in fact, concerned at the same time.

The worldwide scenario, within this challenging theme of public health is enclosed, originates from several facets regarding primarily the understanding of how to manage a natural cause as source of occurrence of fungal attack and mycotoxin production. It is, in fact, well known that crops are affected by this phenomenon as a result of the occurring climate changes that are expected to create further negative implications in the near future. As known, the more immediate fall-out is the increase of the menace of a further limitation of food availability prejudicing food security firstly and food safety secondly. Since the entire agri-food system is involved in this challenge, any stakeholder in any position and role must deserve the highest attention in encouraging the adoption of preventive actions aimed at minimizing the risk. In this context, the One-Health approach is one of the most promising tools to contribute to improve health and well being through the prevention of risks and the mitigation of effects of crises that originate at the interface between humans, animals and their various environments.

From the above, the full acknowledgment and the resulting implementation of the induced chain of preventive measures, represent the only access key to give a concrete and systematic answer to the fighting of the phenomenon. Therefore, the adoption of Good Agricultural, Storage and Industrial Practices, as well as other relevant preventive measures including the most recent biocontrol activities, together with proper cost- and risk-benefit strategies and accurate policies of risk communication addressed to all the stakeholders constitute the most significant management actions contributing to enhance and ameliorate the consciousness of all parties directly or indirectly involved in the assurance of a safer feeding of the planet, by improving the level of food security and food safety.

In addition, the use of bio-monitoring studies deserves a noteworthy mentioning since they can contribute to provide a quali-quantitative information on the real intake of toxic compounds with the aim to take targeted intervention strategies aimed both at verifying the safety of the production chains and marketed foods and feeds and at reducing the overall exposure. The entire afternoon session of the Conference will be, therefore, dedicated to this fundamental topic that will see also the presentation of the results of BIODAF project on the characterisation of the metabolic profile of aflatoxin B1 in a particularly sensitive population group such as subjects exposed to mycotoxins in risky workplaces as a result of their intake or via food or by inhalation and contact.

The abovementioned topics are only some examples that will be presented in the International Conference co-organized by the Italian Ministry of Health, the European Food Safety Authority (EFSA) and the Istituto Superiore di Sanità (ISS).

## Programme

- 8.00** Registration
- 9.00** Welcome Address  
**On.le Beatrice Lorenzin** *Ministro MINSAL*  
**Prof. Walter Ricciardi** *Presidente ISS*  
**Dr. Bernhard Url**
- Morning Session: Impact of Climate change on mycotoxins global occurrence  
Moderators: **Carlo Brera, Paola Battilani**
- 9.40** Food chain risk assessment for public health protection by the Ministry of Health  
**Daniela Rodorigo**
- 10.00** General aspects on Mycotoxins and their impact on the agri-food chain  
**Carlo Brera**
- 10.20** Risk assessment of mycotoxins: the EFSA approach  
**Katleen Baert**
- 10.40** Coffee break



- 11.00** Aflatoxin occurrence in climate change scenarios and opportunities from biological control  
**Paola Battilani**
- 11.20** Mycotoxins and climate change: a challenge for food security and food safety  
**Renata Clarke**
- 11.40** Mycotoxins and Sustainability of agri-food production: past, present and future scenarios  
**Felicia Wu**
- 12.00** Presence of mycotoxins in feed and food in the EU: An increasing risk for animal and public health and challenge for risk management  
**Frans Verstraete**
- 12.20** Risk management of mycotoxin presence in food products: major unsolved points  
**Giuseppe Ruocco**
- 12.40** Impact of mycotoxins on animal health  
**Silvio Borrello**
- Discussion and Conclusion of the morning session
- Press conference
- 13.30** Lunch
- Afternoon session: The role of biomonitoring data in risk and exposure assessment of population groups by mycotoxins  
Moderators: **Barbara De Santis, Paul Turner**
- 14.30** The use of biomarkers in the exposure assessment of mycotoxins  
**Paul Turner**
- 14.50** Toxicity of mycotoxins in foetal and neonatal period  
**Isabelle Oswald**
- 15.10** BIODAF project: main outputs  
**Barbara De Santis**
- 15.30** Occupational risk deriving from mycotoxin contaminated environment: an update  
**Susana Viegas**
- 15.50** The EFSA viewpoint on the use of biomonitoring data  
**Katleen Baert**
- Discussion and Conclusion of the afternoon session