Food safety controls across the agri-food chain

Outcomes from the parallel session

27/10/2016

3 emerging common challenges between EU and China

- 10 presentations of priorities (5 from Chinese participants + 5 from EU participants)

- Discussions

- 3 cross-cutting challenges

3 connected challenges

- Challenge 1 - «Improve the assessment of food safety risks in the agri-food chain»
- Challenge 2 - «Whole agri-food chain approaches to detecting, assessing and mitigating emergent pathogen and contaminant hazards»
- Challenge 3 : « The need for global systems to identify /predict emerging food safety issues »

Challenge 1 + Challenge 2 = 1 topic

Challenge 1 - «Improve the assessment of food safety risks in the agri-food chain»

- **Objective:**

- **Building common platforms to collect and validate data (data are missing)**

- **Risk analysis & practical decision tools available for two levels of stakeholders (scientific research & food businesses)**

- **Target:**

- **Integrating all the food system and all actors from agriculture to consumer; SMEs as well as small production units (farms, short circuits) must be included**

- **Key challenges:**

- **Drivers of contamination (influence of policies and consumers behaviour)**

- **Combination of contaminants**

- **Cross contamination accross the food chain**

- **Collaboration between EU and China:**

- **Bottom up approach facilitating trade between EU and China**

Challenge 2 - «Whole agri-food chain approaches to detecting, assessing and mitigating emergent pathogen and contaminant hazards»

- **Objective:**

- **Occurrence of new contaminants in a context of climate change ; Bacteria, viruses, protozoa in different kind of products**

- **Development and implementation of practical end-users tools**

- **Target:**

- **Covering all the food chain from agriculture to consumers including retailers**

- **Key challenges:**

- **Combining existing predicting models with food engineering**

- **Taking into account different food safety culture of businesses ; new approaches for education & training activities to change staff behaviour**

- **No targeted approaches for screening and identification**

- **Collaboration between EU and China**

- **Increasing mutual trust between EU and China**

Challenge 3 : « The need for global systems to identify /predict emerging food safety issues »

Objectives:

- **Early warning systems & real time alert systems**

Target:

- **Scientists, researchers and stakeholders**

Key challenges:

- **Big data approach, standardization and common validation**
- **Common platforms**
- **Global and dynamic systems**

Collaboration between EU and China:

- **As big players Eu and China have the critical mass**