



EFSA-BfR Framework Partnership

**Risk Assessment Tools
for the Safety of
Global Food and Feed Chains
- Status Report -**

Olaf Mosbach-Schulz, AMU

*68th Advisory Forum meeting
Sofia, Bulgaria, 6-7 June 2018*

BACKGROUND

In December 2016 EFSA and the German BfR signed a Framework Partnership Agreement (P-AMU-21):

Duration: 4 years (2017-2020)

Topics:

- Map and Analyse **Global Food and Feed Chains** (Area 1)
- Establish a European **Food Safety Model Repository** (Area 2)
- Support the Implementation of **Uncertainty Analysis** (Area 3)
- Networking for **Crisis Preparedness** (Area 4)



STATUS AREA 1: GLOBAL FOOD AND FEED CHAINS

Start: April 2017, 48 months

- **General training on FoodChain Lab** / tracing methodologies
 - Berlin, 8-10th Nov. 2017: 12 participants (EU wide)
 - Vienna, 15th May 2018: Half-day at EFSA-ECDC crisis preparedness training (AT, CZ, HU, PL, SI, SK)

- **MS coaching**
 - London, 14-16th June 2017: **UK FS & PH Authorities**
 - Essen, 25-28th Sep. 2017: **DE simulation study, regional FS Authorities**
 - Budapest, 19-21st March 2018: **HU FS Authority**
 - Vienna, 17-18th April 2018: **AT FS Authority & Ministry**

- **Support in outbreak investigations** / case studies
 - Multi-country Salmonella enterica outbreak associated with sesame paste
 - DE EHEC/HUS outbreak
 - UK STEC outbreak
 - German analysis of the Fipronil case (RASFF notifications)
 - AT Listeria outbreak

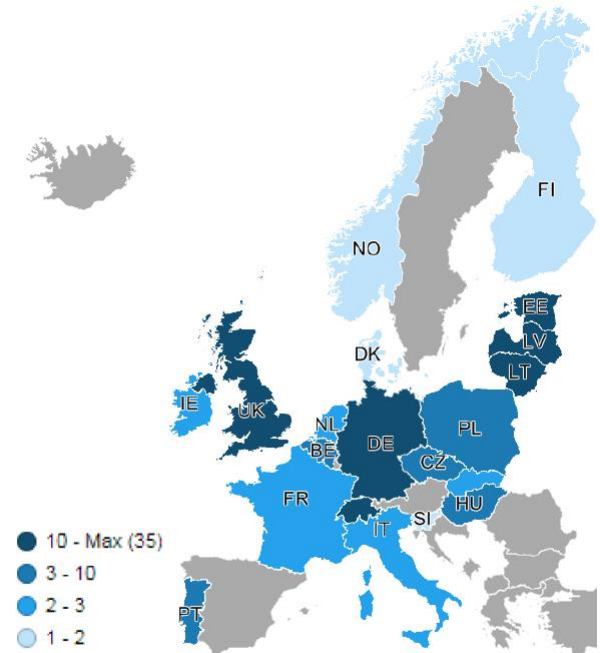
COMING ACTIVITIES : GLOBAL FOOD AND FEED CHAINS

- **Next General training on FCL / tracing methodologies**
 - Parma, Autumn 2018: EFSA staff, panel experts and networks

- **Browser based interface to FCL**
 - First implementation / beta version available
 - Extension of functionalities

- **Interfaces for data exchange**
 - Standard templates in de, en, es (hu) available
 - **Web-based input mask**

- **Enhanced analytical tools**
 - New geocoding and map designs available
 - Lot based scoring available
 - **Probabilistic forward tracing**
up to consumer



Number of FoodChain-Lab workshop participants per country (2015-2017).

STATUS OF AREA 2: FOOD SAFETY MODEL REPOSITORY

Start: June 2017, 36 months

- **Repository of Quantitative Microbial Risk Assessment Models**
 - Development of required infrastructure
 - Application to encode existing models in R
 - Beta version of the QRMA repository

 - Integration of EFSA models into the QRMA repository
 - Fully documented in FSK-ML standard
 - Executable

COMING ACTIVITIES: FOOD SAFETY MODEL REPOSITORY

- **Implementation of the QMRA repository**
 - Finalize documentation, guidelines
 - Continued content generation
 - Establishment of an „editorial board“
 - Connection with EFSA Knowledge Junction

- **27th June 2018 EFSA internal workshop**
 - Presentation of the beta version of the QMRA repository
 - Coordination with EFSA Knowledge Junction

- **October 2018 International expert workshop**

STATUS OF AREA 3: UNCERTAINTY ANALYSIS

Start: March 2017

Case studies to apply, test, and compare

- BfR Guidelines on Uncertainty Analysis in Exposure Assessments, 2015
- EFSA Guidance on Uncertainty Analysis in Scientific Assessments, 2018

- **1st case study:**
Marking of European eel with alizarin red S or strontium chloride
- **2nd case study:**
Aluminum intake via cocoa

COMING ACTIVITIES: UNCERTAINTY ANALYSIS

20–22nd February 2019, Berlin

International Conference on Uncertainty in Risk Analysis

Challenges and Advances in Assessing,
Managing and Communicating Uncertainty

- This Conference brings together internationally recognized leaders in theoretical and applied uncertainty analysis with a focus on the areas of food safety, environmental health, occupational health, animal health and plant health.
- The Conference will be a forum for discussing the science behind uncertainty analysis and show case of best practices in conducting and communicating uncertainty analysis as well as for addressing uncertainty in decision making.
- Networking and sharing experience at the Conference is anticipated to enhance the mutual understanding and interaction of partners in risk analysis and support and enhance the practice of uncertainty analysis.

<https://www.bfr-akademie.de/english/events/uncertainty-conference.html>

COMING ACTIVITIES OF AREA 4: CRISIS PREPAREDNESS

Start: Autumn 2018

The 2019 Crisis Training will be held in Germany:

Connecting Capabilities In Decision-Making, Data Collection & Analysis Tools

- Use of FoodChain Lab for tracing the source of an incident
- Use of the model repository for risk assessments

THANK YOU FOR YOUR ATTENTION

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