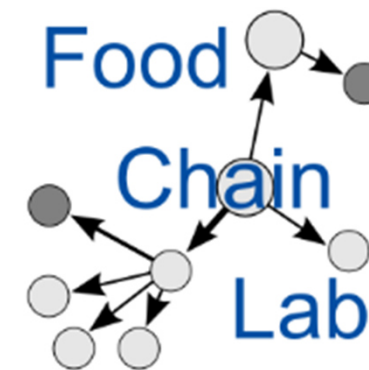
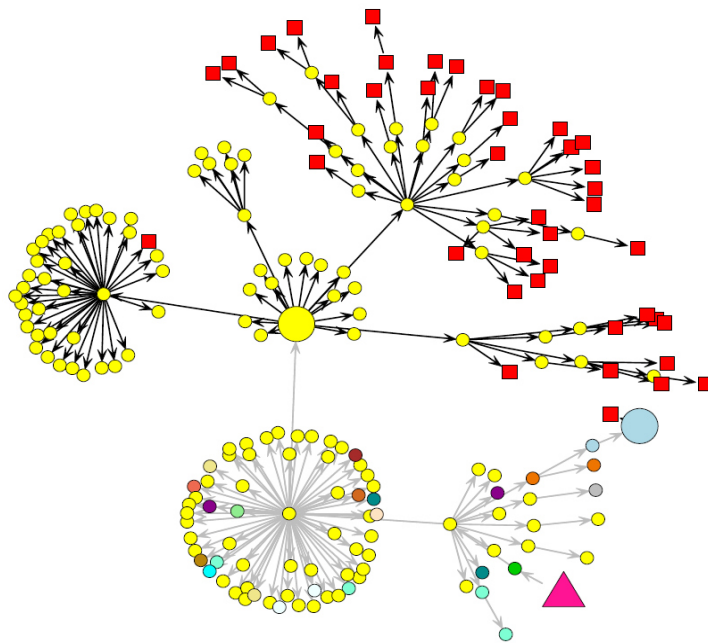


FoodChain-Lab - Training Wien, 17.04.2018



**Armin Weiser, Marion Gottschald, Alexander Falenski,
Marco Rügen, Christian Thöns, Matthias Filter,
Annemarie Käsbohrer, Bernd Appel, Karsten Nöckler**

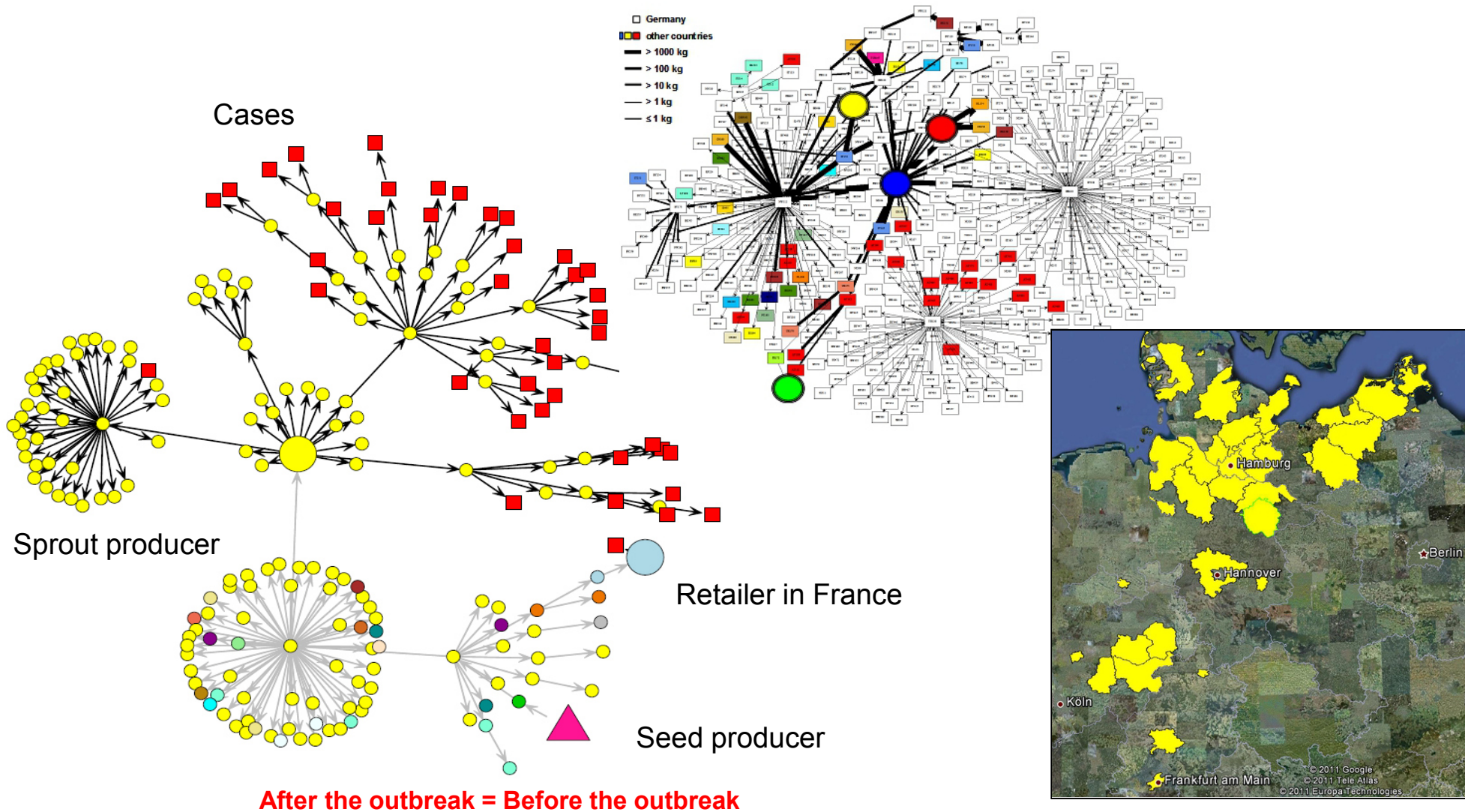
Agenda

- 10:30-11:00 Uhr** **Herausforderungen und mögliche Fallstricke bei Rückverfolgungsanalysen und Synergien mit Public Health** (Marion Gottschald – BfR)
- 11:00-11:30 Uhr** **Wie wird Rückverfolgung in Deutschland durchgeführt?** (Marion Gottschald – BfR)
- 12:30-13:15 Uhr** **Die Herausforderung, die Quelle einer Kontamination in einer internationalen Lebens- und Futtermittelwarenkette zu identifizieren** (Olaf Mosbach-Schulz – EFSA)
- 13:15-13:45 Uhr** **Einführung in FoodChain-Lab (FCL)** (Marion Gottschald – BfR)
- 13:45-14:45 Uhr** **Live-Demonstration FCL – Funktionen und Anwendung bei Ausbrüchen** (Alexander Falenski – BfR)
- 15:00-15:15 Uhr** **Live-Demonstration FCL-Webapp** (Alexander Falenski – BfR)
- 15:15-15:45 Uhr** **Datenstrukturen, Datenerfassungstemplates, Anforderungen an die Daten** (Alexander Falenski – BfR)
- 15:45-16:15 Uhr** **Anwendbarkeit von FCL in trace-back- und trace-forward-Analysen im Rahmen von LM-bedingten Ausbrüchen** (Daniela Schmid – AGES)
- 16:15-17:00 Uhr** **Diskussion und offene Fragen** (Alle)

Aims of the Workshop

- FoodChain-Lab
 - Analysis & Visualisation
- Data Collection & Validation
 - Smooth/straight forward/best practice data collection
 - Detection of plausibility issues / similarities
 - Exchange of experiences
- Redistribution of FCL
 - Application of FCL on historical and new outbreaks
(autonomously or at first supported by BfR/EFSA)
- Perspectives of FoodChain-Lab and Tracing in general
- Feedback/Feature Requests
- Come together

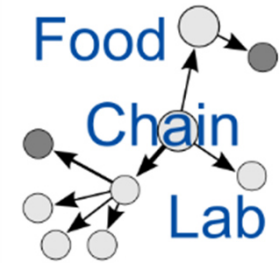
FoodChain-Lab – ad hoc



Weiser et al., 2013: “Trace-Back and Trace-Forward Tools Developed Ad Hoc and Used During the STEC O104:H4 Outbreak 2011 in Germany and Generic Concepts for Future Outbreak Situations”, **Foodborne Pathog Dis.** 2013.

Weiser et al., 2016: “FoodChain-Lab: a trace-back and trace-forward tool developed and applied during food-borne disease outbreak investigations in Germany and Europe”, **PLoS ONE.**

What is FoodChain-Lab?



- Open source software

<https://foodrisklabs.bfr.bund.de>

- Database for managing food tracing data

- Tool for data cleaning, enrichment & processing

- Validation (also online: <https://foodrisklabs.bfr.bund.de/templatevalidator/>)
- Cleaning (e.g. Duplicate Detection)
- Enrichment (e.g. Geocoding)
- Analysis (Clustering, Tracing, Scoring, etc.)

- Tool for visualization and interactive reasoning

Benefits of using FoodChain-Lab



- All steps integrated in one modular framework
 - Data Management
 - Data Cleaning
 - Data Analysis
- Helps during Outbreak Investigation
 - Assists in Brainstorming / Prioritizing
 - Identifies missing data
 - Tests hypotheses and generates new ones



Integration of scientific solutions for

Prevention

&

Limitation of damage

Risikobewertungen (zeitnah und fundiert)	
Probenvorbereitungs- und Nachweisverfahren	
Handlungsempfehlungen	
Kosten-Nutzen-Analysen	
Einschätzung der Gefährdungslage	Wissen über Agenzien (Verhalten, Gefährdungspotential)
Spezifische Verfahren zur Früherkennung	Supply Chains and its structures
Vulnerabilität von Warenströmen	Optimale Interventionspunkte
Schulung, Übungen, Beratung	Entsorgung, Dekontamination
	Freigabe von Produkten

Framework Partnership Agreement EFSA and BfR to work jointly on global food safety tools

Title: Risk Assessment Tools for the Safety of Global Food and Feed Supply Chains (Number: GP/EFSA/AMU/2016/01)

- ED visit to Germany on 30th October 2014
- Framework Partnership Agreement, signed on 8th December 2016



- Description: Trace-back and predictive modelling tools for use during food safety outbreaks and created by scientific teams led by the German Federal Institute for Risk Assessment (BfR) will be further rolled out under a new funding partnership agreed between EFSA and BfR. The two agencies will be able to further benefit from each other's research efforts and avoid duplication of future work programmes.
- Life span: 4 years
- Press releases: <https://www.efsa.europa.eu/en/press/news/161208>
<http://www.bfr.bund.de/cm/349/efsa-and-bfr-to-work-jointly-on-global-food-safety-tools.pdf>

FoodChain-Lab - Past events

19 – 20 March 2015, Berlin Germany

FoodChain-Lab - An innovative tool for food safety through product chain analyzes



12 – 13 May 2015, Bern, Switzerland

Introduction to the FoodChain-Lab software - an innovative tool for food safety through product chain analysis

12 – 13 November 2015, Berlin Germany

International FoodChain-Lab Workshop 2015

8 – 9 February 2016, Berlin Germany

HoA workshop: Tools supporting food chain safety assessments

15 – 17 March 2016, Riga, Latvia

Baltic Countries 2016 Workshop on Crisis preparedness

2016/2017, NRW, Germany

Linking FoodChain-Lab to the regional tracing database

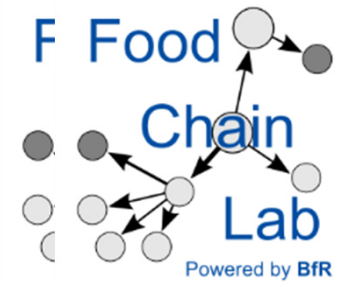
14 – 16 June 2017, London, UK

Specific FoodChain-Lab Workshop for UK

08 – 10 November 2017, Berlin, Germany

International FoodChain-Lab Workshop 2017

Workshops




Kostenlos (EFSA gefördert)

Inhalt:

- Einführung Tracing, FoodChain-Lab
- Ausführliche praktische Übungen (Tutorials, Bearbeitung eines Szenarios)

Termine:

- Länderspezifisch:
 - Ungarn (März 2018)
 - Österreich (April 2018)
- International
 - Italien und/oder Berlin (Herbst 2018)
- Bei Ihnen? → foodrisklabs@bfr.bund.de

FoodRiskLabs


FoodChain-Lab

Predictive Microbial
Modeling Lab (PMM-Lab)

FoodProcess-Lab

Open Food Safety Model
Repository

Events

Contact

Disclaimer

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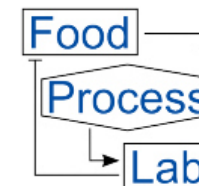
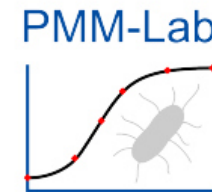
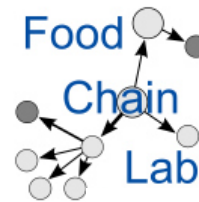
FoodRisk-Labs



FoodRisk-Labs is a portal

to the following tools

developed by the Federal Institute for Risk Assessment (BfR):





FoodChain-Lab Team

Tel. +49 30 - 184 12 - 4444

foodrisklabs@bfr.bund.de

<http://foodrisklabs.bfr.bund.de>

Marion Gottschald

Dr. Alexander Falenski

Marco Rügen

Dr. Armin Weiser

Bundesinstitut für Risikobewertung

Max-Dohrn-Str. 8-10, 10589 Berlin

Tel. +49 30 - 184 12 - 0

Fax +49 30 - 184 12 - 47 41

www.bfr.bund.de

Olaf Mosbach-Schulz

