



# **FoodChain-Lab Web App**

<u>Alexander Falenski</u>, Marion Gottschald, Marco Rügen, Birgit Lewicki, Christian Thöns, Matthias Filter, Annemarie Käsbohrer, Bernd Appel, Karsten Nöckler, Armin A. Weiser



# Features and Scope of FoodChain-Lab

Desktop and Web-App



Alexander Falenski, 09.12.2020, Workshop FoodChain-Lab



## Overview: FoodChain-Lab Desktop and Web App

### Desktop

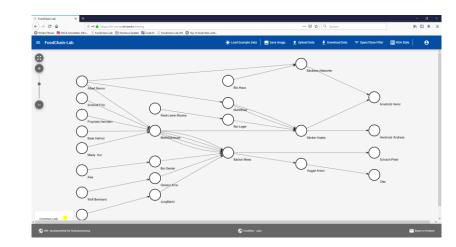
A KNIME Analytics Platform		- 🗆 X
File Edit View Node Food-Lab Help		
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Quick Access
A KNIME Explorer 💠 👘 🗖	🛕 2: EFSA_Results 🔉 🎱 Welcome to KNI 🛕 0: Results_EHEC 👘 🗄	Description 🛙 🔍 🗆
⊞ ⊟   🗳 🍇 🛛 🗸 🗸		^
R)		Tracing View
> 🍐 My-KNIME-Hub (hub.knime.com) 🔺	Java Snippet	This node can visualize a
> & EXAMPLES (knime@hub.knime.com)	/→ <mark>₩</mark> ►	supply chain. The three
A LOCAL (Local Workspace)		mandatory input ports
> T Example Workflows		expect a station table, an
▲ EFSA_Results_me 13 v	Preprocessing	delivery table and a delivery
A. H. J. S		relations table. These
C Node Repository		tables are provided by the
R		Supply Chain Analyzer.
> 💾 10 🔥		Tracing can be performed
> Manipulation	Value Counter	by setting the following four properties for stations and
Q Views Maalytics		deliveries: "Case Weight",
5 = D8	► ΣI ►	"Cross Contamination", "Kill
> Conter Data Types		Contamination" and
> <> Structured Data	Supply Chain Reader. Tracing View	"Observed". You can
> (m) Scripting		change the property values
Services Workflow Control		by double clicking on a
> 🕹 Workflow Abstraction		station/delivery or by using
> B Reporting	XLS Writer	A MARTIN COMPANY OF THE
✓ <sup>™</sup> FoodChain-Lab	Row Filter (deprecated)	KNIME Hub Search 😂 🔍 🗆
> 🎘 Convert	< > >	
Creator Address Creator	Se Outline 32 Console 32	▶
38 GIS Cluster	KNIME Console	
St Geocoding	KNIME Console WARN Supply Chain Reader 3:5	Lot-4439: In-12111.0kg vs A
🔆 Shapefile Reader	WARN Supply Chain Reader 3:5	Lot=2565: In=25000.0kg vs
H Supply Chain Reader	WARN Supply Chain Reader 3:5 WARN Supply Chain Reader 3:5	Lot=Z/59/2012/2: In=10406 Lot=5125: In=5670.0kg vs.*
< 10 <sup>4</sup> Traving	<	3
	1	

- In KNIME (~ 1 GB installation)
- Data is stored locally
- Using KNIME needs to be learned

#### Features

- Database with plausibility checks
- Geocoding
- KNIME Data analytics functionalities
- Graph view and GIS view
- Tracing
- Hypothesis generation

### Web App





- In a web browser (no installation)
- Data stays local, browser is only for visualisation
- Intuitive handling

#### **Features**

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- Graph view and GIS view
- Tracing
- Hypothesis generation
- ROA style for reports





### Overview: FoodChain-Lab Desktop and Web App

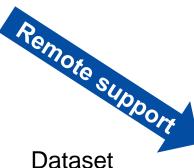




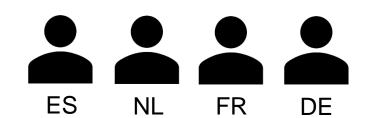
The outbreak investigation experts discuss the FoodChain-Lab results together with the data analyst and test *in silico* new hypotheses.



Data analyst prepares data in FCL desktop



Dataset is sent as JSON file to experts



The outbreak investigation experts in different parts of the world upload the JSON file in the FCL Web App and test *in silico* new hypothesis



