

## Data standardisation in tracing activities along complex global food supply chains

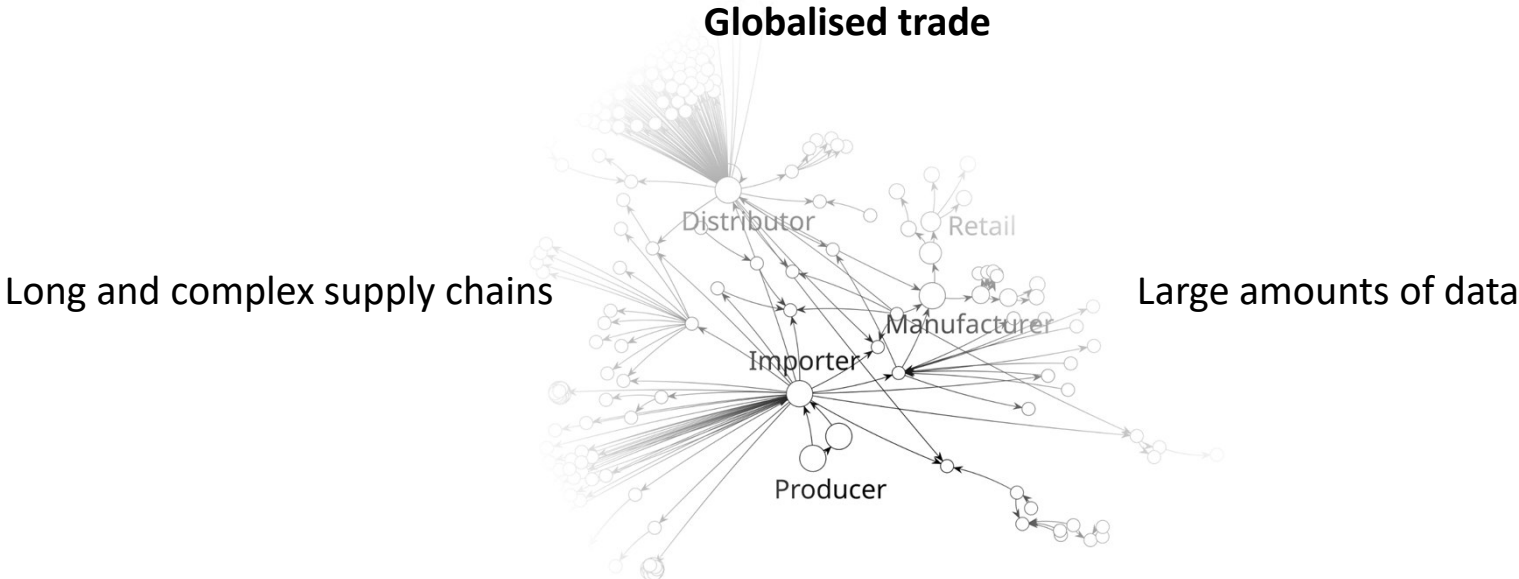
Joint final workshop of the EFSA-BfR traceability projects

21-22 September 2023, Berlin



*The DataColl and FoodClass projects were funded by the EFSA-BfR Framework Partnership Agreement (FPA) GP/EFSA/AMU/2020/02.*

# The challenges of complex global food and feed supply chains



Increased complexity of risk assessment and outbreak control



Importance of harmonized data + powerful interoperable software tools e.g. for tracing food and feed

# The challenges of traceability investigations

Tracing data quality and data sharing among traceability stakeholders is still a limiting factor!

## Current limitations:

### Data:

- unstructured
- not standardised
- free text
- not digital/machine-readable
- not re-usable

### Data sharing:

- slow due to lack of interoperable tools
- data trapped in silos

### Analysis + automated reporting

- Limited due to lack of usable data

The image shows a CMR form with the following details:

- Date:** 19/01/22
- Sender (1):** [Redacted]
- Receiver (2):** [Redacted]
- Goods (3):** [Redacted]
- Remarks (13):** Reklamation: Paletti non sono europalet !!! Problem con temperatura e -M gradi non e -10 !!! merce con foglie verde
- Signature transporter (23):** [Redacted], 02/08/2012

# The EFSA-BfR cooperation and the current tracing projects

Since 2016 EFSA and BfR to work jointly on global food safety tools

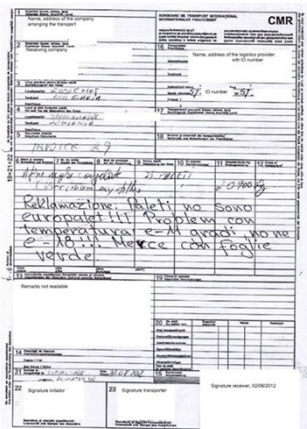
**Activities:** user trainings, case studies, outbreak investigations, software development

## The current projects:

### AMU-28 DataColl

**Data collection tool for tracing purposes**

Definition of the “Universal Traceability data eXchange” (UTX) format and a decentralized tracing workflow.

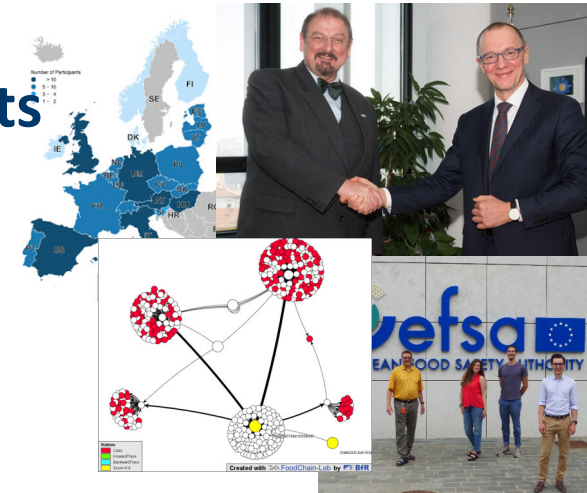


Inquired Company:	Frozen Fruit Sales	Hugo-Eckener-Strasse 1, 50629 Köln	DE	For questions please contact Dr. Armin Weiser, +49 (0) 1812-2111, armin.weiser@efsa.europa.eu
<b>Outgoing Goods</b>				
Product	Lot Information	Delivery	Recipient	
Name	EAN	Best Before Date or Date by Date	Amount (kg)	Name
Frozen Strawberries	408	2024-08-01	20 700g	Waldstraße 1, 72639 Birklingen
Frozen Strawberries	408	2024-08-01	20 700g	Waldstraße 1, 72639 Birklingen
Strawberry Sauce	408	2024-08-01	20 700g	Waldstraße 1, 72639 Birklingen
<b>Information to complete the sheet</b>				
11 In outgoing goods which are already known (see grey fields above).				
12 Please keep track of the ingredients of all sent products - do it in a bid-based manner.				
13 In Column A starting with Line Number 20 please enter the line number of the outgoing good being the product of this ingredient. Afterwards, enter the ingredient information in columns 2 to 5.				
14 Please repeat the outgoing good as often as necessary in order to capture all its ingredients.				
<b>Ingredient List</b>				
Line Number of Outgoing Goods	Ingredient	Lot Information	Delivery	Supplier
	Name	EAN	Best Before Date or Date by Date	Amount (kg)
20	Strawberries	408	2024-08-01	20 700g
21	Strawberries	408	2024-08-01	20 700g
22	Strawberries	408	2024-08-01	20 700g
23	Strawberries	408	2024-08-01	20 700g
24	Strawberries	408	2024-08-01	20 700g
25	Strawberries	408	2024-08-01	20 700g
26	Strawberries	408	2024-08-01	20 700g
27	Strawberries	408	2024-08-01	20 700g
28	Strawberries	408	2024-08-01	20 700g
29	Strawberries	408	2024-08-01	20 700g
30	Strawberries	408	2024-08-01	20 700g



Universal Traceability data eXchange format

**Interoperable, accessible software tools**



### AMU-29 FoodClass

**Food and feed classification for tracing purposes**

Development of a food and feed classification system for tracing purposes within FOODEX2

Feasibility study for the automatic data extraction from the RASFF notifications by artificial intelligence tools.