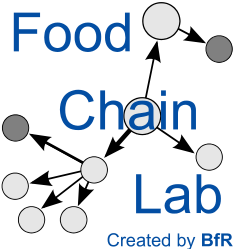# Data collection and data extraction using FoodChain-Lab data templates

11.02.2025, Paris
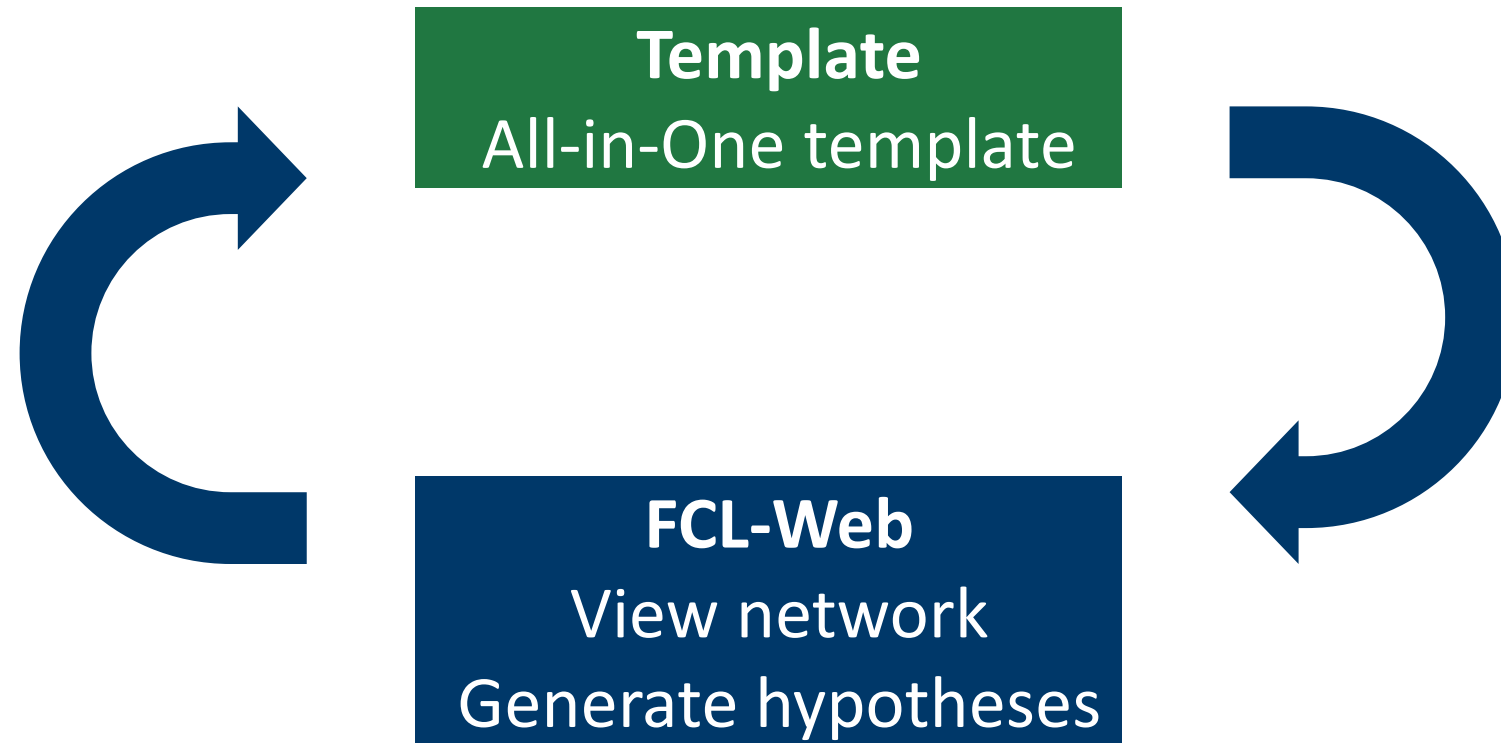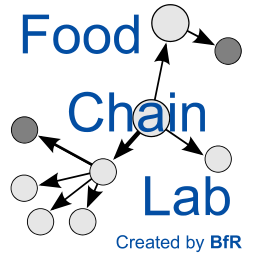
Alexander Falenski, Marion Gottschald, Marco Rügen

The All-in-One data template

Outbreak: Tracing workflow using FoodChain-Lab V
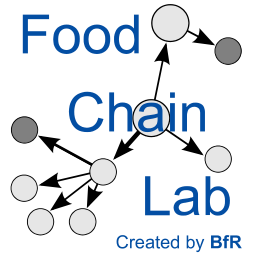
Data collection in FoodChain-Lab Desktop

Outbreak: Tracing workflow using FoodChain-Lab Desktop I

First information on food producing company
involved in foodborne disease outbreak

Template
Start tracing template

Start Forward tracing template: Bakery and patients

Bakery

Food
Chain
Lab
Created by BfR

Inquired Company:		Bakersfield Bakery		[Address]			DE		Manufacturer

For questions please contact the FoodRisk-Labs team, +49 (30) 18412-4444, foodrisklabs@bfr.bund.de

Products in Focus:	Relevant period of sale:	Onset of disease:	

Information to complete the sheet:

Please keep track of all delivered products matching the product descriptions that were sold during the relevant period in a lot-based manner.

Recipient				Product		Lot Information		Delivery				Comments
Name	Address (e.g. Street, ZIP, City)	Country	Type of Business	Name	EAN	Lot Number	Best Before Date or Use-by Date	Delivery Date			Amount (e.g. 45 kg)	
								Day	Month	Year		
Patient01		DE	Patient	Summer Cake		SC01		6	11	2017	1 Piece	
Patient02		DE	Patient	Summer Cake		SC02		6	11	2017	1 Piece	
Patient03		DE	Patient	Summer Cake		SC03		6	11	2017	1 Piece	
Patient04		DE	Patient	Summer Cake		SC04		6	11	2017	1 Piece	
Patient05		DE	Patient	Summer Cake		SC05		6	11	2017	1 Piece	

Patients
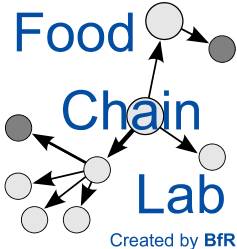
Contaminated product
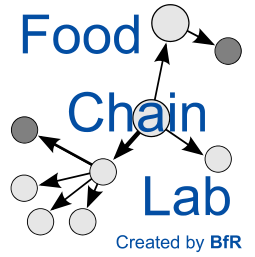
efsa   BfR

Outbreak: Tracing workflow using FoodChain-Lab Desktop II

First information on food producing company
involved in foodborne disease outbreak

Template
Start tracing template

Database
Import
tracing template

Tracing View
View network
Generate hypotheses

Tracing View: Bakery and patients

Outbreak: Tracing workflow using FoodChain-Lab Desktop III

First information on food producing company
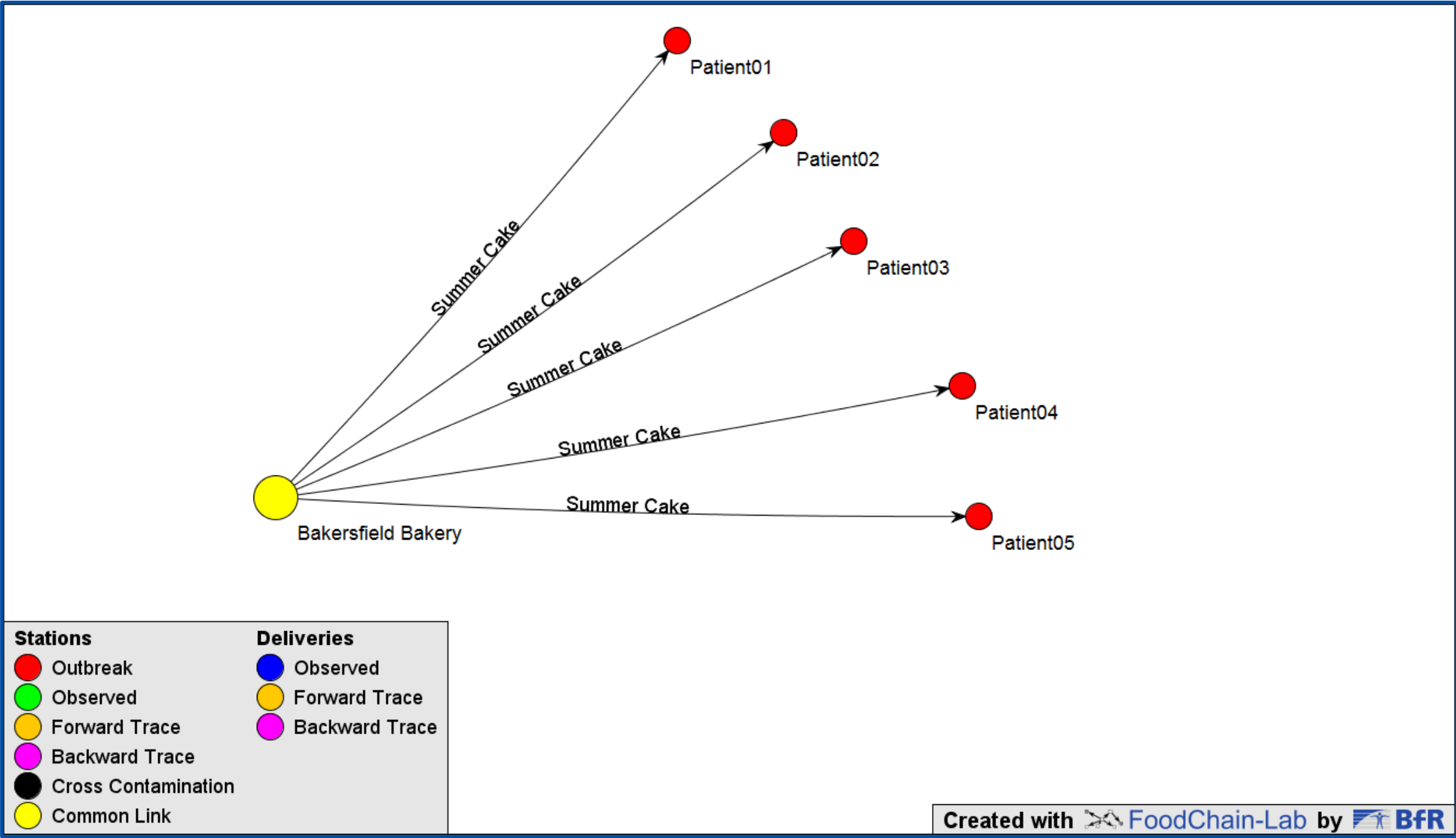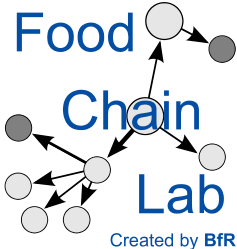involved in foodborne disease outbreak

Template
Start tracing template
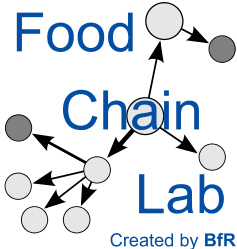
Database
Import
tracing template

Tracing View
View network
Generate hypotheses
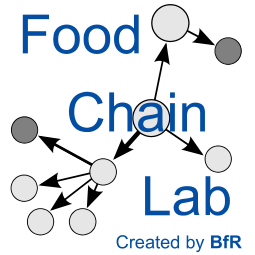
Template
Pre-filled tracing
template

Database
Generate templates
(backward / forward)

Pre-filled backtracing template generated by the database

Inquired Company:		Bakersfield Bakery			[Address]				DE		Manufacturer	

For questions please contact the FoodRisk-Labs team, +49 (30) 18412-4444, foodrisklabs@bfr.bund.de

Outgoing Goods												
	Product		Lot Information		Delivery				Recipient			Comments
	Name	EAN	Lot Number	Best Before Date or Use-by Date	Delivery Date			Amount (e.g. 45 kg)	Name	Address (e.g. Street, ZIP City)	Country	Type of Business
					Day	Month	Year					
	Summer Cake		SC01		6	11	2017	1 Piece	Patient01		DE	Patient
	Summer Cake		SC02		6	11	2017	1 Piece	Patient02		DE	Patient
	Summer Cake		SC03		6	11	2017	1 Piece	Patient03		DE	Patient
	Summer Cake		SC04		6	11	2017	1 Piece	Patient04		DE	Patient
	Summer Cake		SC05		6	11	2017	1 Piece	Patient05		DE	Patient

Information to complete the sheet:

Fill in outgoing goods which are already known (see grey fields above).

Please keep track of the ingredients of all sent products - do it in a lot-based manner.

In Column A starting with Line Number 22 please enter the line number of the outgoing good being the product of this ingredient. Afterwards, enter the ingredient information in

Please repeat the outgoing good as often as necessary in order to capture all its ingredients.

Incoming Goods - lot-based **Ingredient List**												
Line Number or Lot Number from Outgoing Goods	Ingredient		Lot Information		Delivery				Supplier			Comments
	Name	EAN	Lot Number	Best Before Date or Use-by Date	Delivery Date			Amount (e.g. 45 kg)	Name	Address (e.g. Street, ZIP City)	Country	Type of Business
					Day	Month	Year					

(1) **at all stages of production, processing and distribution**

The traceability of food, feed, food-producing animals, and any other substance intended to be, or expected to be, incorporated into a food or feed shall be established **at all stages of production, processing and distribution**.

(2) **food and feed business operators** shall be able to **identify any person from** whom they have been **supplied**

Food and feed business operators shall be able to identify any person from whom they have been supplied with a food, a feed, a food-producing animal, or any substance intended to be, or expected to be, incorporated into a food or feed.

To this end, such operators shall have in place **systems and procedures** which allow for this information to be made available to the competent authorities **on demand**.

(3) **to** which their products have been **supplied**

Food and feed business operators shall have in place systems and procedures to **identify the other businesses to** which their products have been **supplied**. This information shall be made available to the competent authorities **on demand**.
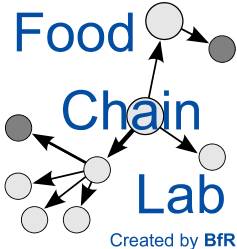
Inquiry at a cake manufacturer

Supplier(s)	Product(s) in	Business inspected	Product out	Receiver
		back ←	forward →	

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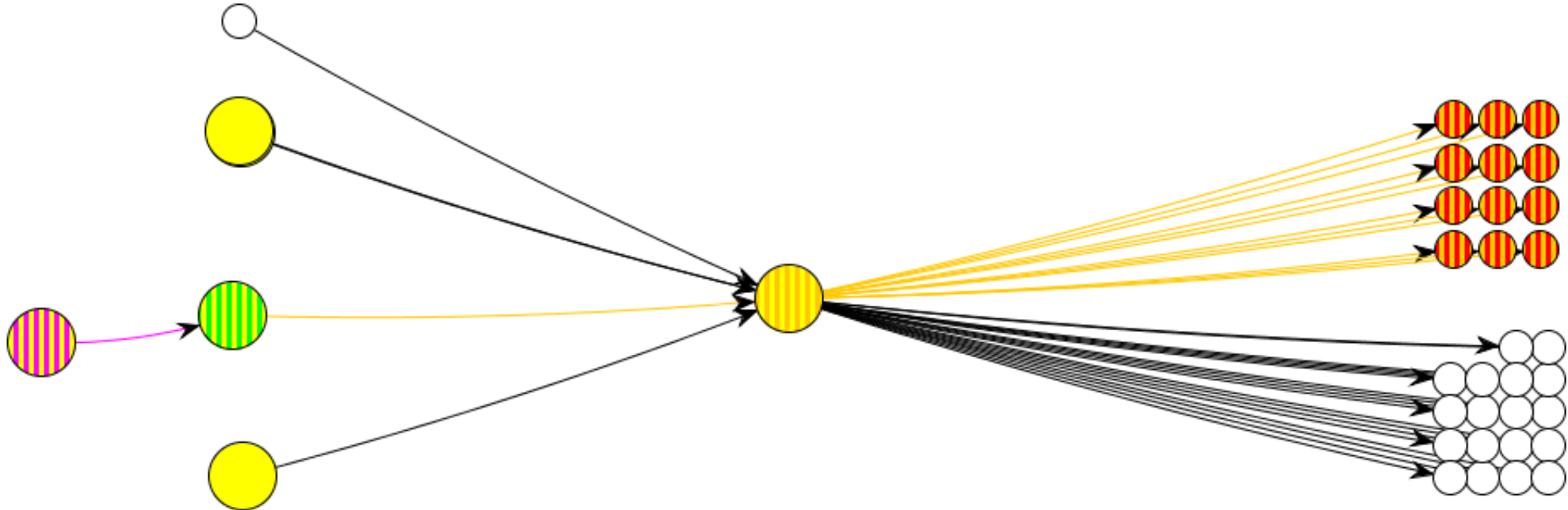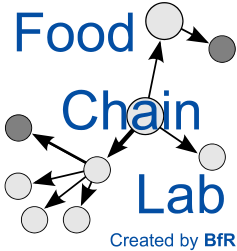
The pre-filled backtracing template has been completed

Inquired Company:		Bakersfield Bakery				[Address]				DE		Manufacturer	

For questions please contact the FoodRisk-Labs team, +49 (30) 18412-4444, foodrisklabs@bfr.bund.de

Outgoing Goods

	Product		Lot Information		Delivery				Recipient				Comments
	Name	**EAN**	**Lot Number**	**Best Before Date or Use-by Date**	**Day**	**Month**	**Year**	**Amount (e.g. 45 kg)**	**Name**	**Address (e.g. Street, ZIP City)**	**Country**	**Type of Business**	
	Summer Cake		SC01		6	11	2017	1 Piece	Patient01		DE	Patient	
	Summer Cake		SC02		6	11	2017	1 Piece	Patient02		DE	Patient	
	Summer Cake		SC03		6	11	2017	1 Piece	Patient03		DE	Patient	
	Summer Cake		SC04		6	11	2017	1 Piece	Patient04		DE	Patient	
	Summer Cake		SC05		6	11	2017	1 Piece	Patient05		DE	Patient	

Information to complete the sheet:

Fill in outgoing goods which are already known (see grey fields above).

Please keep track of the ingredients of all sent products - do it in a lot-based manner.

In Column A starting with Line Number 22 please enter the line number of the outgoing good being the product of this ingredient. Afterwards, enter the ingredient information in columns B

Please repeat the outgoing good as often as necessary in order to capture all its ingredients.

Incoming Goods - lot-based **Ingredient List**

Line Number or Lot Number from Outgoing Goods	Ingredient		Lot Information		Delivery				Supplier				Comments
	Name	**EAN**	**Lot Number**	**Best Before Date or Use-by Date**	**Day**	**Month**	**Year**	**Amount (e.g. 45 kg)**	**Name**	**Address (e.g. Street, ZIP City)**	**Country**	**Type of Business**	
SC01	Butter		Bu100		3	11	2017	6,3 kg	Dairy Products Ltd.		DE	Supplier	
SC01	Sugar		Su200		1	11	2017	12,8 kg	Dry Stuff Inc		DE	Supplier	

Outbreak: Tracing workflow using FoodChain-Lab Desktop IV

First information on food producing company
involved in foodborne disease outbreak

Template
Start tracing template

Template
Completed tracing template

Database
Import tracing template

Food Safety Officer
Conducts interviews with companies

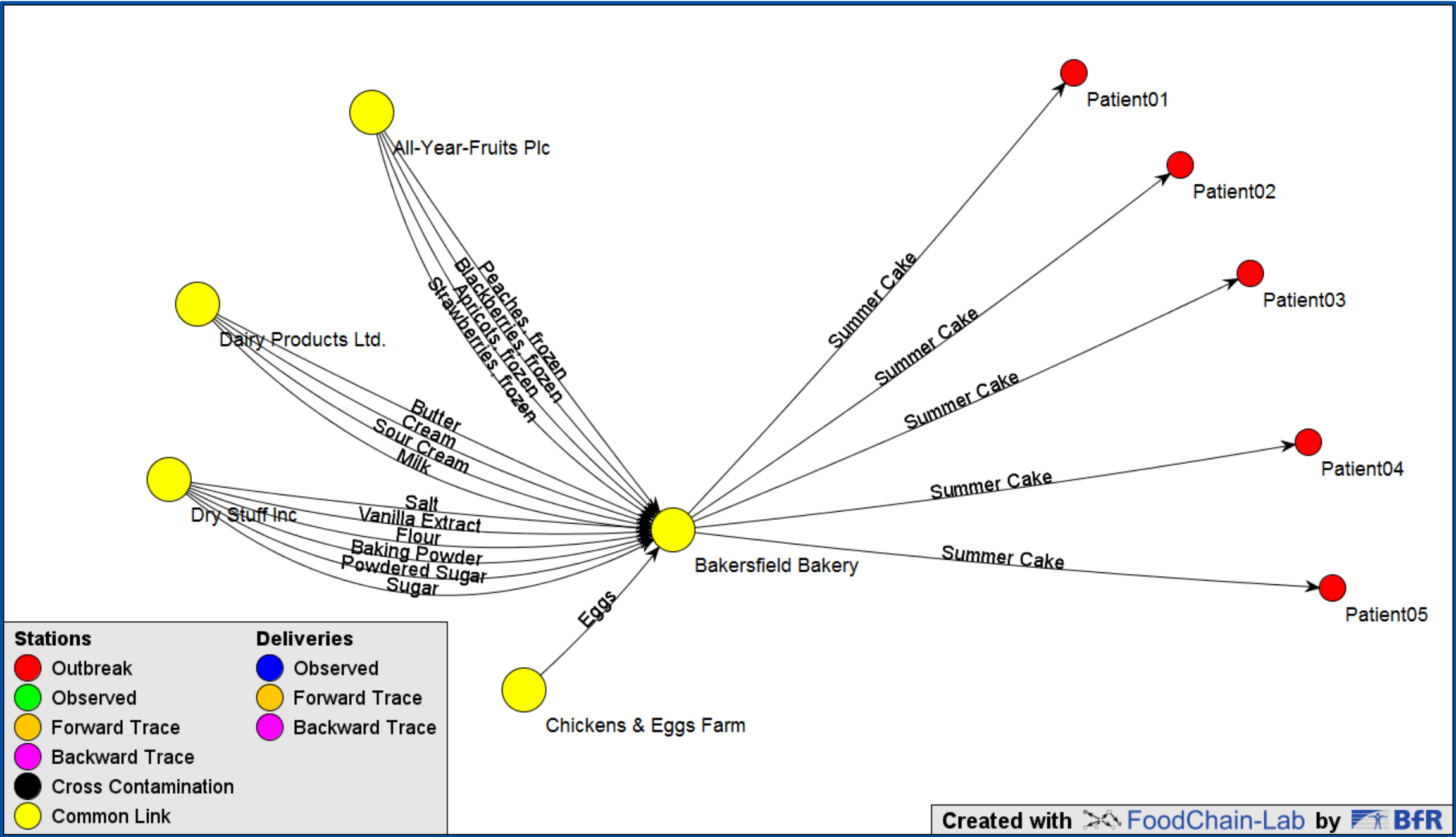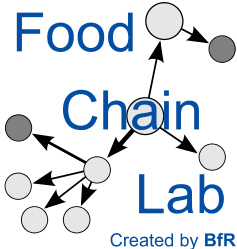**Tracing View**
View network
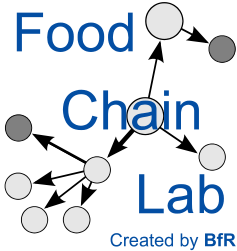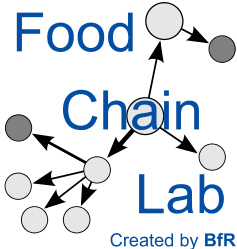Generate hypotheses

Template
Pre-filled tracing template

Database
Generate templates (backward / forward)

Tracing View: Bakery and patients

Outbreak: Tracing workflow using FoodChain-Lab Desktop V

First information on food producing company involved in foodborne disease outbreak

Template Start tracing template

Template Completed tracing template

Database Import tracing template

Food Safety Officer Conducts interviews with companies

Tracing View View network Generate hypotheses

Template Pre-filled tracing template

Database Generate templates (backward / forward)

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Database: Data Cleaning

Bakersfield Bakery
Sesame Street 15
12345 Crumbling Hills
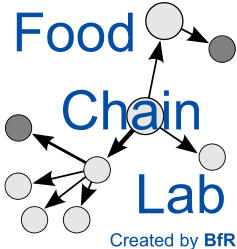Germany

Summer Cake

Chocolate Cake
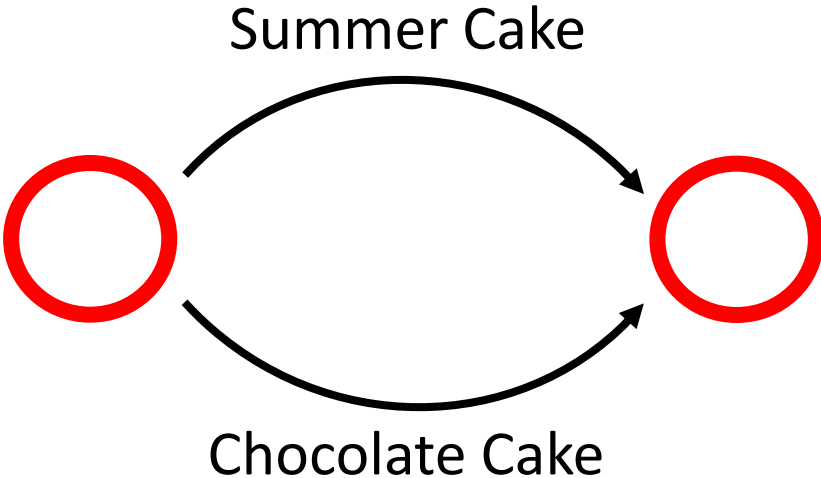
Bakersfield Bakery
See Same Street 15
12345 Crumbling Hills
Germany
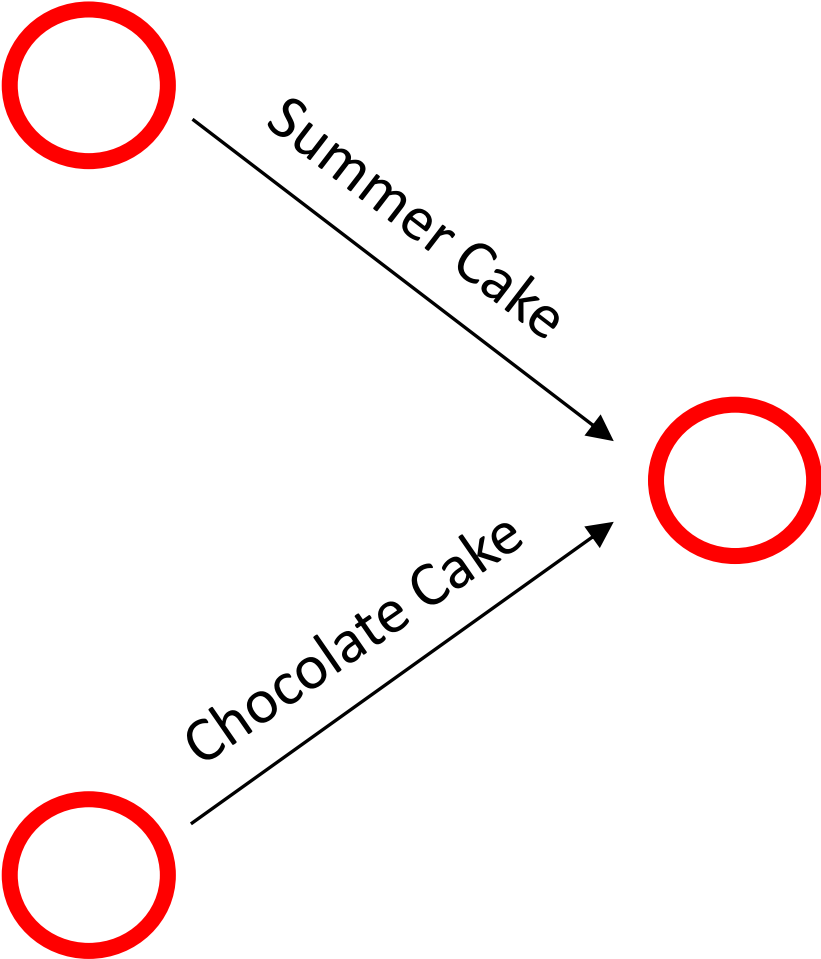
Luxury Hotel
Hilltop 1
12234 Pompous Hills
Germany

Bakersfield Bakery
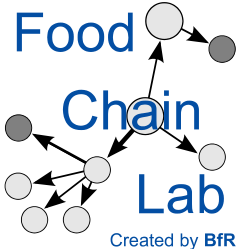Sesame Street 15
12345 Crumbling Hills
Germany

Summer Cake

Chocolate Cake

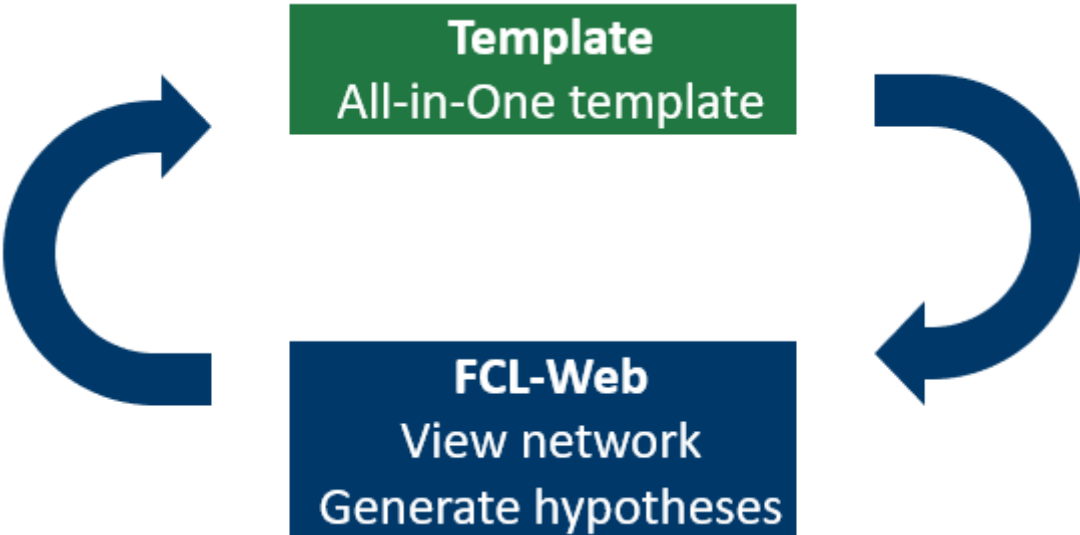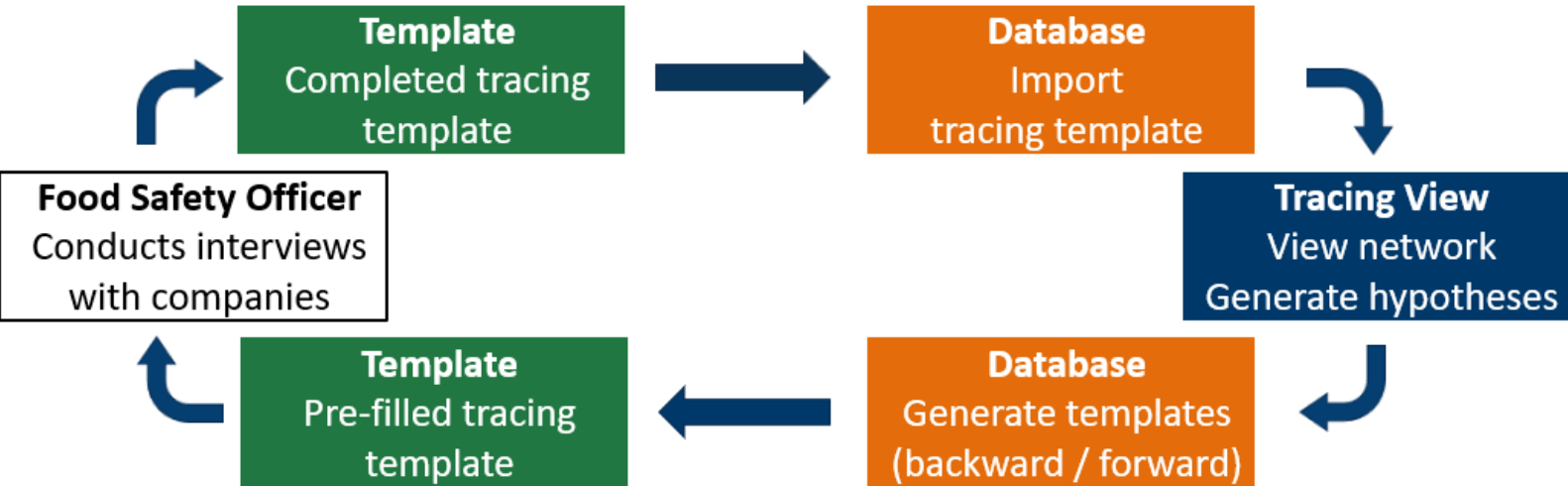Luxury Hotel
Hilltop 1
12234 Pompous Hills
Germany

Data collection in FCL-Web and FCL-Desktop

FCL-Web

FCL-Desktop

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Alexander Falenski

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Protect Health

Consumer health protection to go
BfR2GO – the BfR Science Magazine
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