FoodChain-Lab web application "hands-on" training

Scenario on *Clostridium botulinum* in dried salted roach

Part 2

Documentation

You want to create a picture from the supply chain network for a Rapid Outbreak Assessment or other reports.

The easiest option is to save an image of the map via the "Save Image" button in the blue menu bar on the top.

To get an image resembling ECDC-EFSA rapid outbreak assessments, click on the "ROA Style" button in the upper right corner and click "Generate Report".

> Nice to know: You can customize the variables and the standard text which should be used to create the ROA style in the ROA Report Configuration dialogue before clicking "Generate Report"

The report picture is rather large and we would like to depict only retail from France.
-   Click on the "Tracing View" button in the upper right corner and "OK" to get back to your graph view.
-   In the menu, click in the filters tab on "More filters… click to open" and then on "Complex filters… click to open".
-   Click on "Property" and select "Type of business". In the operator dropdown menu "op" select "==" and then click into the value field and select "Retail".
-   Click on the "+" button next to retail. Select "Country" and as operator "!=" (meaning "is not"). Then click into the value field and select "FR".
-   Now, having selected all retail NOT from France, you can select the first station in the table below. Use the scrollbar to get to the end of the table, press shift and select the last station. In the graph you can see that all ECO, Desalim and MegaMarkt as well as Cado are selected.
-   Right-click on one of the stations in the graph. In the context menu, select "Make Invisible".
-   To further reduce the number of displayed stations, select all "Lemarchand" stations, right click on one of them and select "Merge Stations". Please type a name and click "OK".
Click again on the button "ROA Style" to see the better overview of French retail in this fictitious outbreak scenario.

You can customise the ROA graph, for example by adding additional text fields or arrows. Drag-and-drop a yellow box from menu on the left and write some additional information in it (e.g. that the fish was recalled).

> Nice to know: You can save the ROA graph as PDF: Go to "File" -> "Print…" in the menu and check "One page".

In order to save the ROA dataset as XML, go to "File" -> "Save" You can reload this XML file in the ROA module at any time to make further adaptations.

Click on the "Tracing View" button in the upper right corner and "OK" to get back to your graph view.

Important to know: As the ROA style is only for reporting purposes. Changes made in the ROA style do not change data in the tracing view.

In the filter table you can reset all filters by clicking the ✕ ═ button. Hidden stations are now shown in a grey font colour in the filter table. A crossed-out eye next to the symbol is shown in the table.

Perhaps not everyone should see the real company names. This is why we anonymise the station names:
In the menu, click on the tab "Highlighting", then on the "Stations" tab and in there on "Label… click to open". FoodChain-Lab web comes with an inbuilt anonymisation. To activate it, click on the "Anonymisation Label" slider. All other labels become deactivated automatically. The format for anonymised station names is "Station" + [Country] + [Type of business] + Index.
You would like to change the anonymisation? Click on the pen next to the slider.
- Delete the prefix to "Station".
- Delete the country label with left-click on the minus button next to the country.
- On the bottom of the configuration box, click "OK".

You can get an overview on the supply chain by having a look at the map view. Select "GIS" in the blue menu bar on the top.

Especially in this view it is best to display as few delivery arrows as possible. Open the graph settings (menu button on the right, "Graph Settings" tab) and select "Merge Deliveries → All". This is especially useful if there are lots of deliveries between two companies.

Nice to know: Now, there is only one connection between two stations. But it still contains all delivery information. To view the products and ingredients represented by one merged delivery arrow, right-click on a merged delivery and select "Show properties". You can also tick "Show merged Deliveries Counts" in the "Graph Settings" tab.

Save the analysis using the button "Download Data" from the blue menu bar.

Nice to know: You could reload this JSON file in the Tracing View module at any time to make further adaptations. You could also load the JSON file into the FCL desktop application in KNIME.

Bonus task

Check out the underlined highlighting function in FCL Web to highlight specific stations or deliveries:

- Click on the menu button in the right upper corner of the blue menu bar,
- Select the "Highlighting" tab and then select the "Stations" or "Deliveries" sub-tab
- Try to edit existing labels (click on pencil icon in list) or add new ones (click on + button below list)
- Try to edit existing colours or shape rules (click on pencil icon in list) or add new ones (click on + button below list)