



FoodChain Lab Training, Madrid, 10th October 2019
14:30 – 15:00

A new tool for guided data extraction from RASFF notifications

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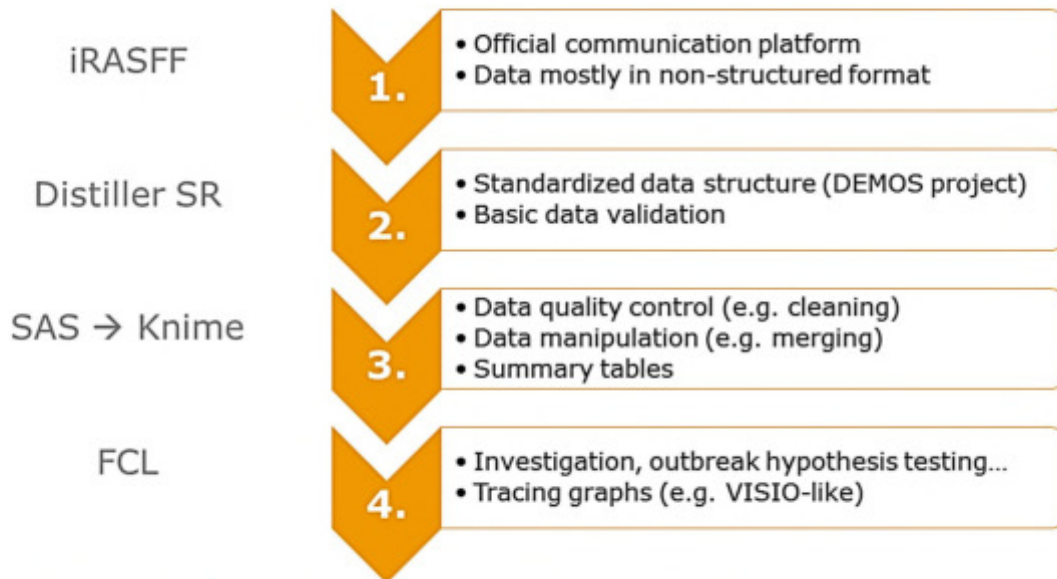
Disclaimer



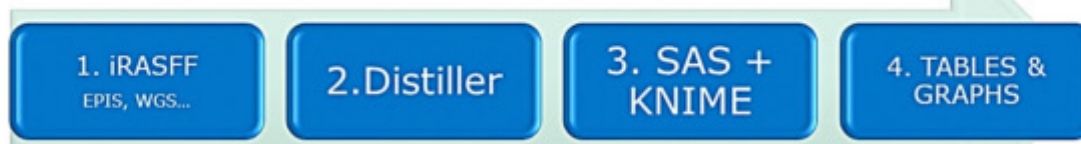
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Piloted and tested WORKFLOW in EFSA



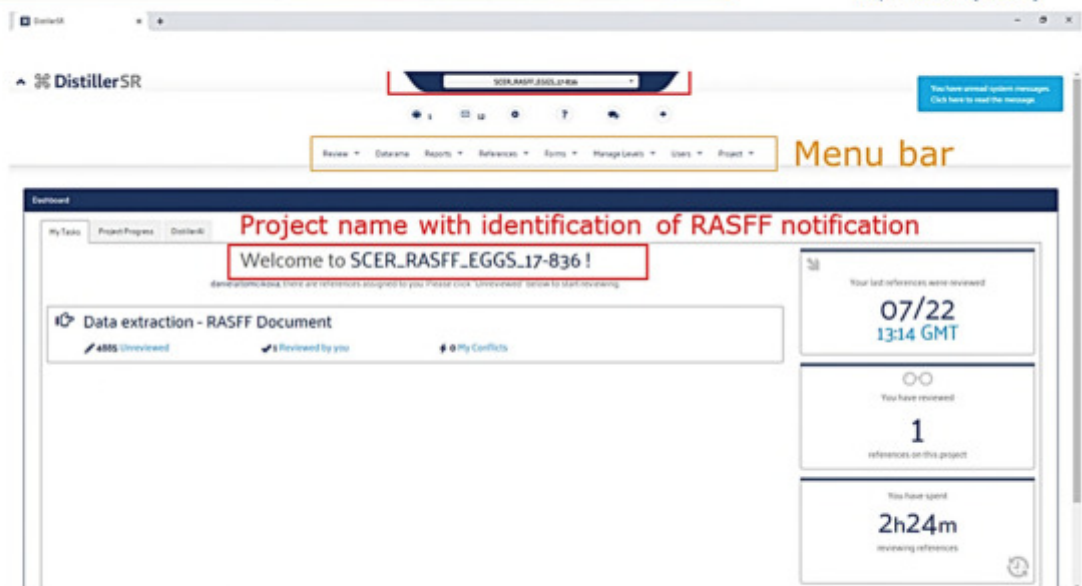
WORKFLOW – pros and cons



Advantages	Disadvantages
Structured data format	Doubled data insertion (MS into iRASFF and EFSA into DistillerSR)
Reproducible data analysis	Extra - licences for DistillerSR
Team-work in real-time (multiple users working on the same project in DistillerSR)	
Tools with user-friendly environment that are already used by EFSA or by some member states	
More efficient ROA support	

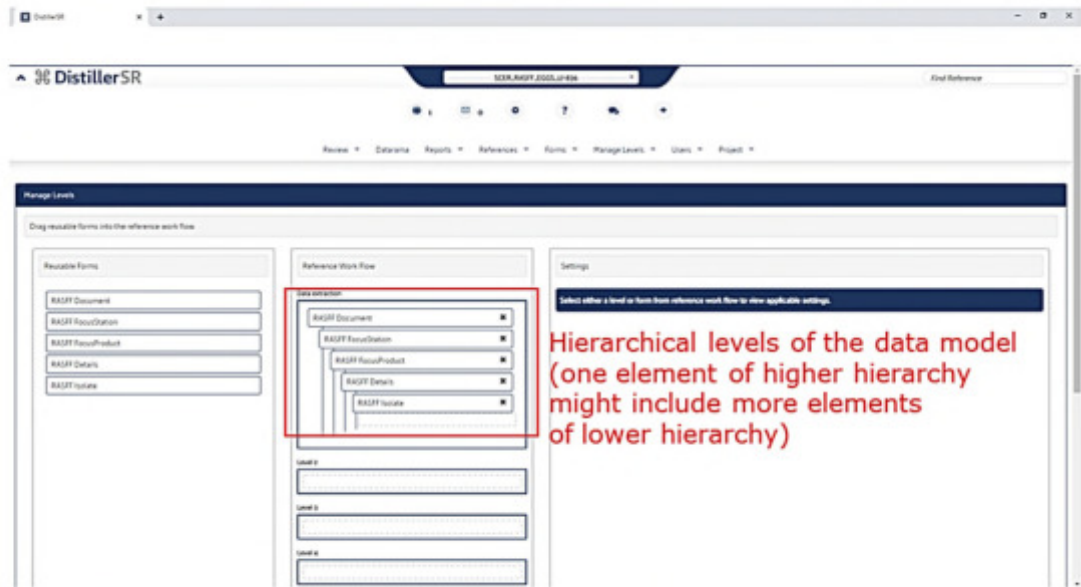
- Proprietary software for literature reviews
- Ensures contemporary work of the entire team on one project
- User-defined hierarchical type of data model
- Data-storage and download of the (manually) inserted data in tabular format

Investigation
= RASFF notification



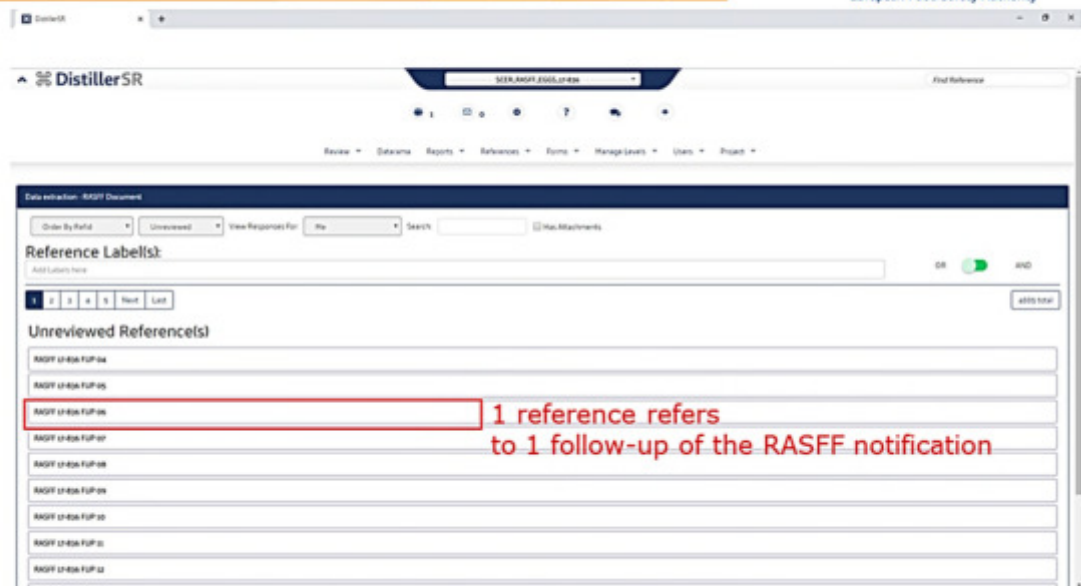
Hierarchical structure

Hierarchical tables:
Document → Station
→ Product → Details
(→ Isolates)



Information (documents)

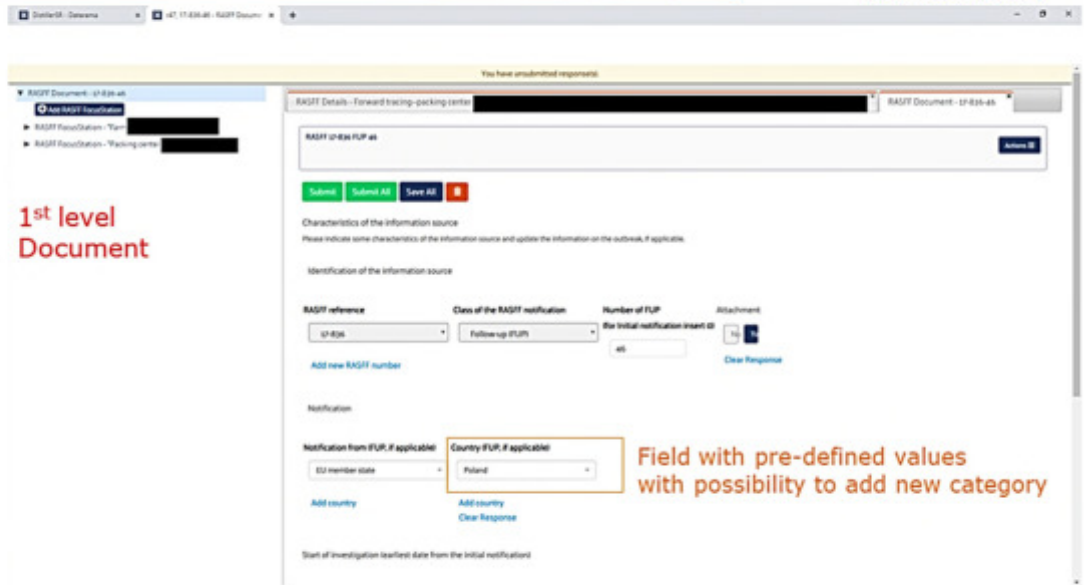
Information = Follow-up



Document (1/2)

Document:
RASFF no. / FUP no.
Country ...

1st level
Document



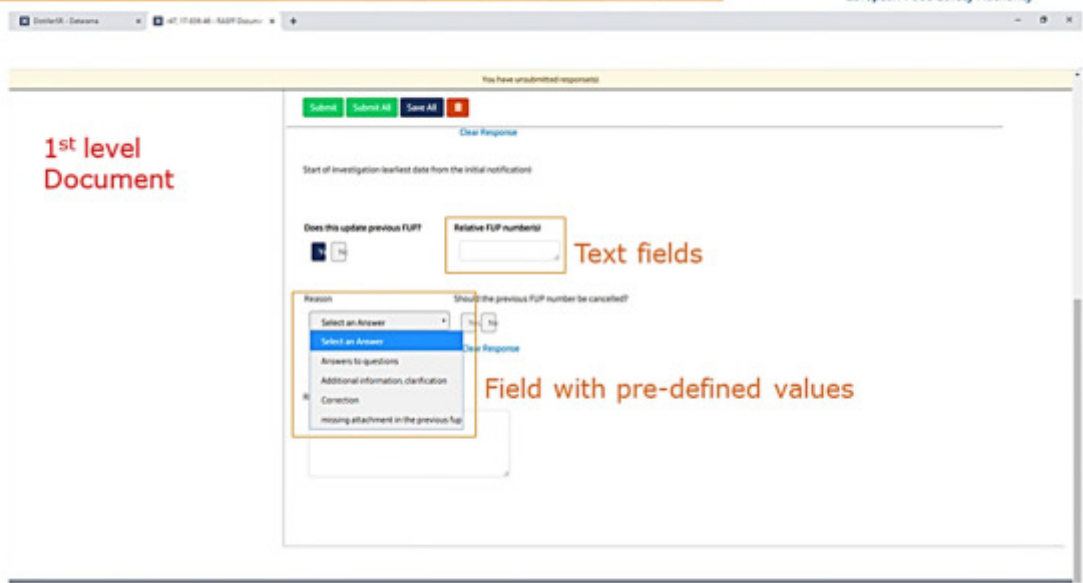
The screenshot shows the 'RASFF Details - Forward tracing-packing centre' form. It includes a sidebar with navigation options, a top navigation bar, and a main form area. The form contains several sections: 'RASFF reference' with a dropdown menu, 'Class of the RASFF notification' with a dropdown menu, 'Number of FUP' with a text input field, and 'Attachment' with a button. Below these are 'Add new RASFF number' and 'Clear Response' buttons. The 'Notification' section includes 'Notification from FUP, if applicable' and 'Country FUP, if applicable' dropdown menus. A red box highlights the 'Country FUP, if applicable' dropdown menu, which is currently set to 'Poland'. A text annotation points to this dropdown, stating: 'Field with pre-defined values with possibility to add new category'.

Field with pre-defined values with possibility to add new category

Document (2/2)

Correction
Reason

1st level
Document



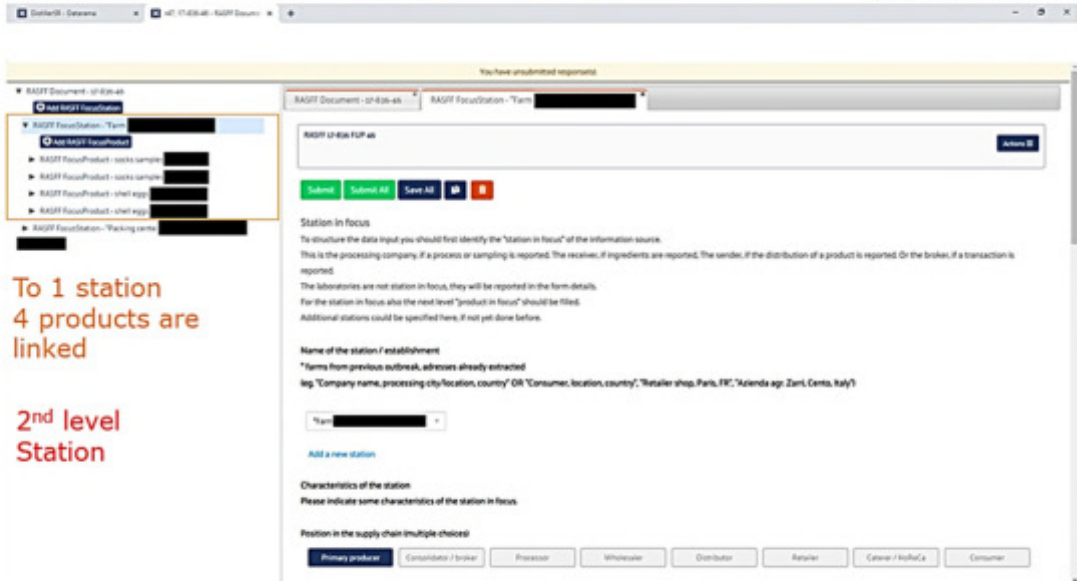
The screenshot shows the 'Correction Reason' form. It includes a sidebar, a top navigation bar, and a main form area. The form contains several sections: 'Start of investigation (earliest date from the initial notification)', 'Does this update previous FUP?' with a dropdown menu, and 'Relative FUP number?' with a text input field. Below these are 'Reason' and 'Show the previous FUP number be cancelled?' dropdown menus. A red box highlights the 'Reason' dropdown menu, which is currently set to 'Missing attachment in the previous fup'. A text annotation points to this dropdown, stating: 'Field with pre-defined values'. Another red box highlights the 'Relative FUP number?' text input field, with a text annotation stating: 'Text fields'.

Text fields

Field with pre-defined values

Station (1/3)

Station:
Establishment, Case, ...

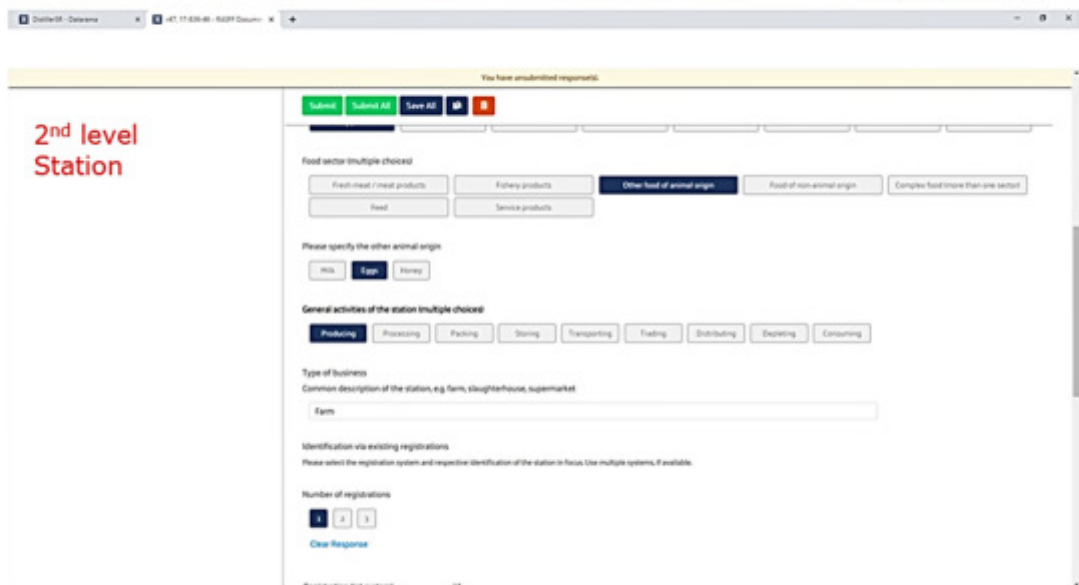


To 1 station
4 products are
linked

2nd level
Station

Station (2/3)

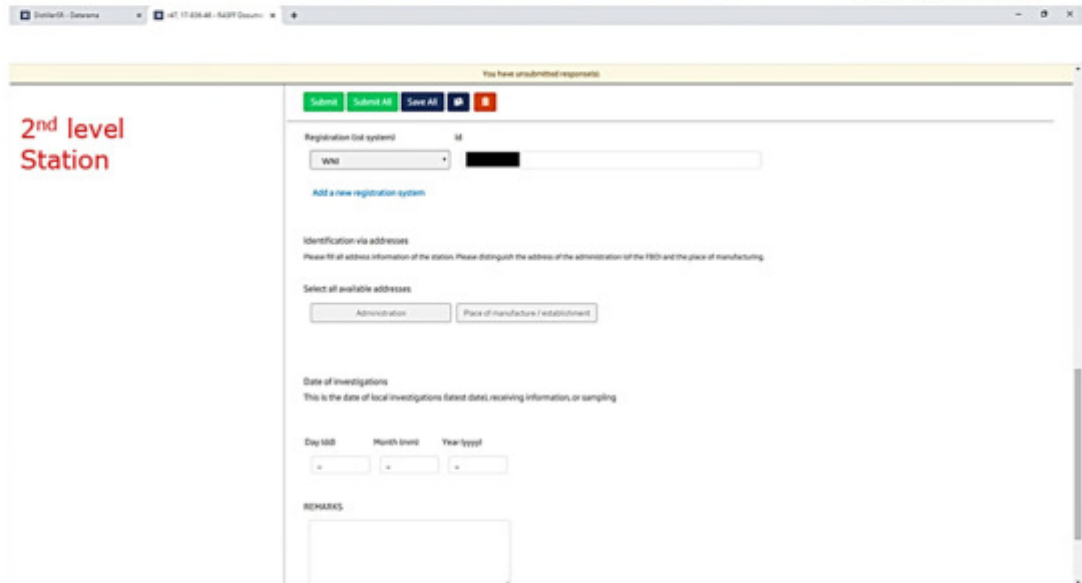
Food sector
General activities
ID no.



2nd level
Station

Station (3/3)

Addresses (FBO, establishment)
Date of investigations



2nd level Station

You have unsubmitted responses

Submit Submit All Save All

Registration list system: M
WNI [redacted]

Add a new registration system

Identification via addresses
Please fill all address information of the station. Please distinguish the address of the administration of the FBO and the place of manufacturing.

Select all available addresses
 Administration Place of manufacture / establishment

Date of investigations
This is the date of local investigations (latest date receiving information, or sampling)

Day / Month / Year
[] / [] / []

REMARKS
[]

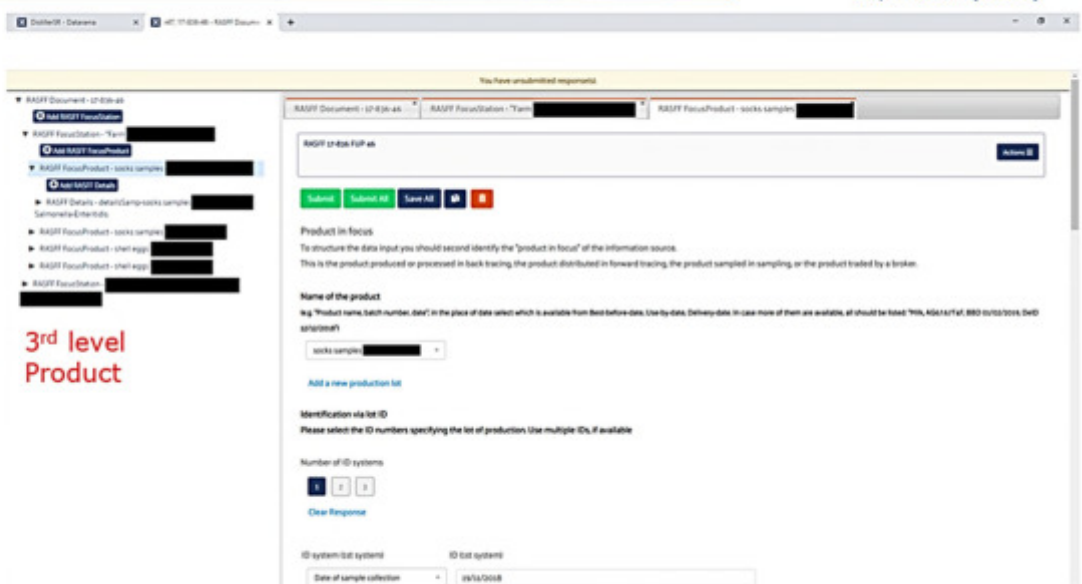
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Product (1/4)

Product:
Food, feed, samples
ID no.



3rd level Product

You have unsubmitted responses

RASF Document - 12-036-08

RASF FocusStation - [redacted]

RASF FocusProduct - [redacted]

RASF FocusProduct - socks sample [redacted]

RASF FocusStation - [redacted]

RASF FocusProduct - [redacted]

RASF FocusProduct - [redacted]

RASF FocusProduct - [redacted]

RASF FocusStation - [redacted]

RASF Document - 12-036-08

RASF FocusStation - [redacted]

RASF FocusProduct - socks sample [redacted]

RASF FocusProduct - socks sample [redacted]

Submit Submit All Save All

RASF FocusProduct - socks sample [redacted]

Product in focus
To structure the data input you should second identify the 'product in focus' of the information source.
This is the product produced or processed in back tracing, the product distributed in forward tracing, the product sampled in sampling, or the product traded by a broker.

Name of the product
E.g. 'Product name, batch number, date' in the place of date select which is available from Best before date, Use by date, Delivery date in case none of them are available, it should be listed 'YYS, MM/DD/YYYY, DD/MM/YYYY'

socks sample [redacted]

Add a new production lot

Identification via lot ID
Please select the ID numbers specifying the lot of production. Use multiple IDs, if available.

Number of ID systems
[1] [2] [3]

Clear Response

ID system list system ID list system
Date of sample collection []/ []/2018

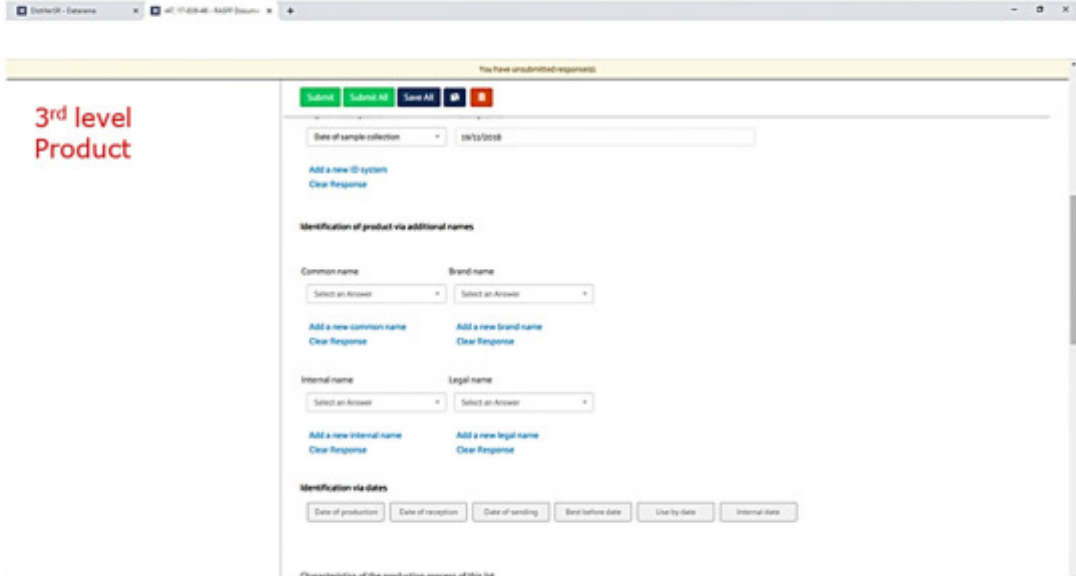
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Product (2/4)

Names
Dates



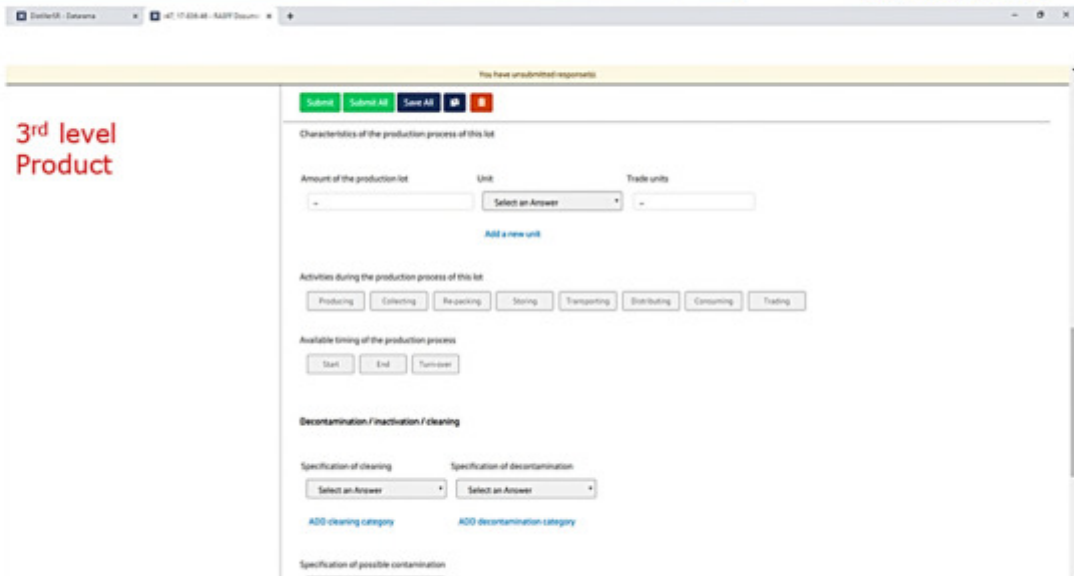
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Product (3/4)

Amount
Processing (Dates)
Decontaminations



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Actions taken (measures)

3rd level Product

You have unsaved responses

Submit Submit All Save All

Select an Answer Select an Answer

ADD cleaning category ADD decontamination category

Specification of possible contamination

Select an Answer

ADD contamination category

Actions taken

- Select an Answer
- Recall from consumer
- Withdrawal from the market
- Withdrawal from the recipient
- Return to originator
- Detained by operator
- Import not authorized

Details:
Forward tracing
Recipient

4th level Details - Forward tracing

You have unsaved responses

RASF Details - Forward tracing - packing centre

RASF ID: EAS-FUP-45

Submit Submit All Save All

Detail

This form contains ONE detailed information resulting from the tracing action.
This is ONE ingredient for back tracing, ONE delivery from forward tracing, ONE analytical result from sampling, or ONE transaction of a broker.

Type of tracing investigation

Please select only one type!

Back tracing Forward tracing Sampling

Forward tracing

Please specify ONE recipient of the focus product from the focus station.
To specify stations please use the naming convention from the "station" form, it is recommended to fill these forms also for the deliveries.

Recipient

Ing. "Company name, promoting info/location, country" OR "Consumer, location, country", "Retailer shop, Paris, FR", "Nuts/eggs, Zari, Czech, Italy"

packing centre

Add a new recipient
Clear Response

Amount of the delivery as part of the production lot

Type of details

Details (2/10): Forward tracing

Amount
Dates

4th level
Details
- Forward tracing

You have unsubmitted responses!

Submit Submit All Save All

Amount of the delivery as part of the production lot

Amount Unit Trade units

[Add a new unit](#)

Dates of the delivery to the recipient

Date of sending Day Month Year

Date of reception Day Month Year

Additional characteristics

Transportation mean Description

[Add a new transportation mean](#)

Details (4/10): Forward tracing

Transportation
Storage
Remarks

4th level
Details
- Forward tracing

You have unsubmitted responses!

Submit Submit All Save All

Transportation mean Description

[Add a new transportation mean](#)

Storage at sender type Description

[Add new storage](#)

Storage at reception type Description

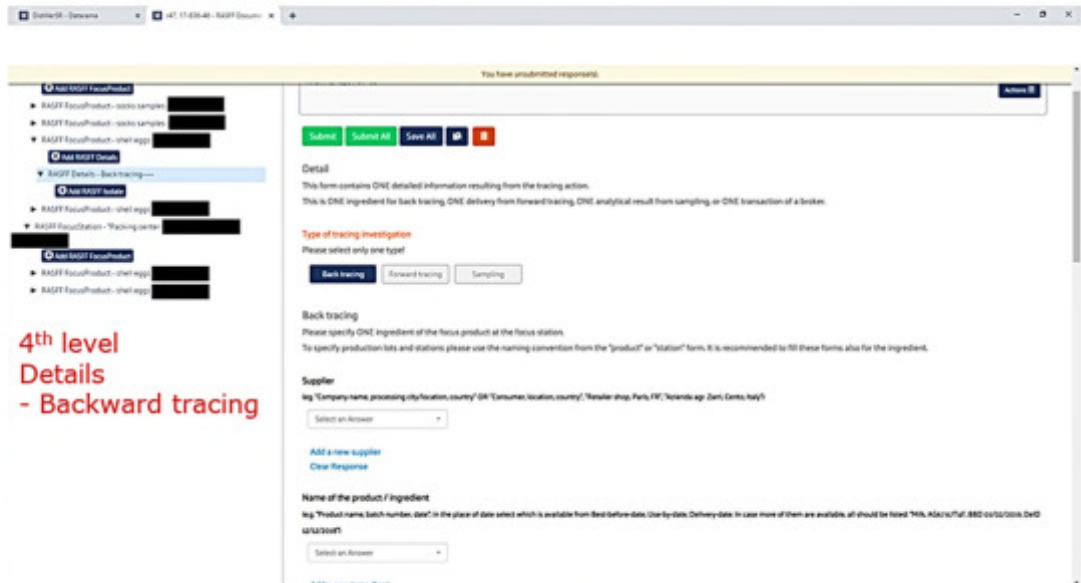
[Add new storage](#)

REMARKS

Details (4/10): Backward tracing

Details:
Back tracing
Supplier

4th level
Details
- Backward tracing



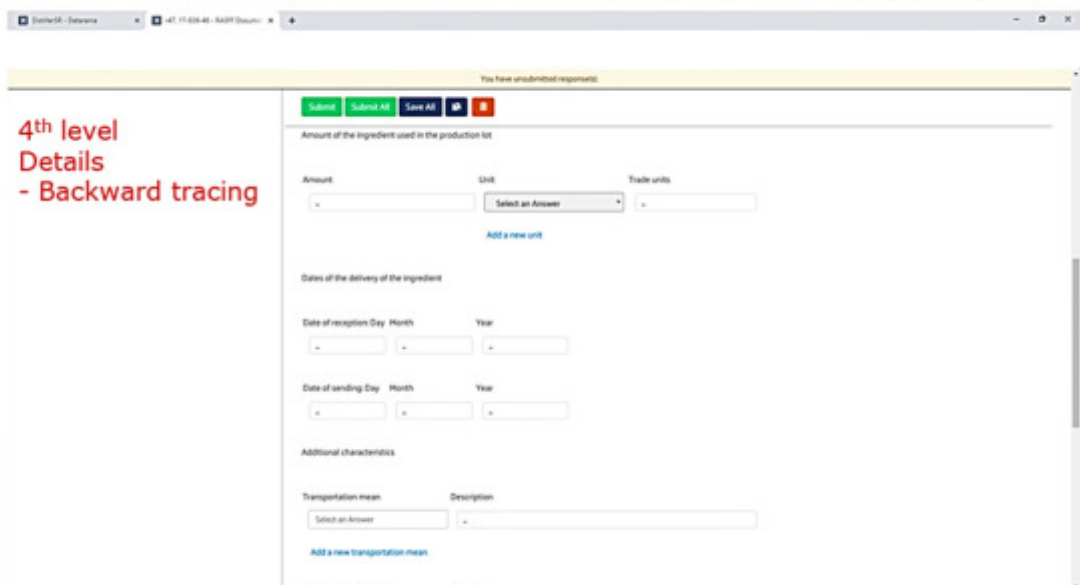
The screenshot shows a web browser window with the EFSA RASF workflow interface. The main content area is titled 'Details' and contains the following sections:

- Detail:** This form contains ONE detailed information resulting from the tracing action. This is ONE ingredient for back tracing, ONE delivery from forward tracing, ONE analytical result from sampling, or ONE transaction of a broken.
- Type of tracing investigation:** Please select only one type! Buttons for 'Back tracing', 'Forward tracing', and 'Sampling' are visible.
- Back tracing:** Please specify ONE ingredient of the focus product at the focus station. To specify production lots and stations please use the naming convention from the "product" or "station" form. It is recommended to fill these forms also for the ingredient.
- Supplier:** eg. 'Company name, processing city/location, country' OR 'Consumer, location, country', 'Retailer shop, Paris, FR', 'Netherlands, Zierikzee, Belgium'. A dropdown menu is present with the text 'Select an answer'.
- Add a new supplier:** Clear Response
- Name of the product / ingredient:** eg. 'Product name, batch number, date' in the place of date select which is available from food before date. Use by date, Delivery date. In case more of them are available, all should be listed 'Milk, A54212/FUL, 882 02/12/2016, DeV' and '12/12/2016'. A dropdown menu is present with the text 'Select an answer'.
- Add a new transaction:**

Details (5/10): Backward tracing

Ingredient
Amount
Dates

4th level
Details
- Backward tracing



The screenshot shows a web browser window with the EFSA RASF workflow interface. The main content area is titled 'Details' and contains the following sections:

- Amount of the ingredient used in the production lot:** A table with columns for Amount, Unit, and Trade units. A dropdown menu for Unit is present with the text 'Select an answer'. Below the table is a link 'Add a new unit'.
- Dates of the delivery of the ingredient:** Two sets of date pickers for 'Date of reception' and 'Date of sending', each with fields for Day, Month, and Year.
- Additional characteristics:** A table with columns for Transportation mean and Description. A dropdown menu for Transportation mean is present with the text 'Select an answer'. Below the table is a link 'Add a new transportation mean'.

Details (6/10): Backward tracing

Storage
Remarks

You have unsubmitted responses

[Submit](#) [Submit All](#) [Save All](#) [Print](#) [Close](#)

**4th level
Details
- Backward tracing**

Storage at sender type Description
Select an Answer -

[Add new storage](#)

Storage at reception type Description
Select an Answer -

[Add new storage](#)

REMARKS

Details (7/10): Sampling

Details:
Sampling
Laboratory

You have unsubmitted responses

[Submit](#) [Submit All](#) [Save All](#) [Print](#) [Close](#)

**4th level
Details - sampling**

RASF Document: U-BA-46 RASF FocusStation: Farm RASF FocusProduct: socks sample

RASF Details - Sampling—socks samples from house 29 Salomėja Enterteils

RASF U-BA-RUP-46

[Submit](#) [Submit All](#) [Save All](#) [Print](#) [Close](#)

Detail
This form contains ONE detailed information resulting from the tracing action.
This is ONE ingredient for back tracing, ONE delivery from forward tracing, ONE analytical result from sampling, or ONE transaction of a broken.

Type of tracing investigation
Please select only one type!

Back tracing Forward tracing Sampling

Sampling
Please specify ONE sampling result of the focus product at the focus station.
To specify the Laboratory please use the naming convention from the "Station" form. It is recommended to fill these forms also for the laboratory.

Laboratory log "TypeLab: Unknown, PLT"
Unknown

[Add a new laboratory](#)
[Clear Response](#)

Material
log "MSL AS26/PLT, BBO 66/52/2008 DetD U/16/2017" OR "Environmental samples of sampling"; "When: date of sampling"

Details (8/10): Sampling



Material
Type
Dates

4th level
Details
- sampling

Details (9/10): Sampling



Amount
Analysis
Dates

4th level
Details
- sampling

Details (10/10): Sampling

Causative agent
Result
Remarks

4th level
Details
- sampling

You have unsubmitted responses

Submit Submit All Save All

Causative agent - genus: Salmonella Causative agent - species: Enteritidis

Add a new category: Clear Response

Quantitative results? Yes No Clear Response

Was typing performed? Yes No Clear Response

REMARKS

Warning: You are editing data on a form originally created by

Isolate

Sampling / Isolate:
Markers
Outbreak strain

5th level
Isolate

You have unsubmitted responses

RASF Document - 17-036-04

RASF Focus/Station

RASF Focus/Product - soiled sample

RASF Focus/Product - soiled sample

RASF Details - detail/Comp/soiled sample

Salmonella/Enteritidis

RASF isolate

RASF Focus/Product - shell egg

RASF Focus/Product - shell egg

RASF Focus/Station - "Packing name"

RASF isolate

Isolate ID

Select the markers/profiles

Overall assessment: does the isolate match the outbreak strain?

Remarks on isolate

REMARKS on RASF

Collaboration among

AMU – Mosbach-Schulz O., Tomčíková D., Baù A., Verloo D.
SCER – Gervelmeyer A., Afonso A.
BIOMO – Rossi M., Sarno E., Amore G., Rizzi V.
DATA – EFSA catalogues team
BfR – FoodChainLab team

1. *Salmonella* Agona in RTE products - Pilot exercise – Jan 2019

- 1 iRASFF notification
- The workflow iRASFF-DistillerSR-SAS-FoodChainLab was tested

2. *Salmonella* Poona in infant formula – March 2019

- 1 iRASFF notification
- First real-case outbreak with EFSA-workflow

3. *L. monocytogenes* in smoked fish – April 2019

- 8 iRASFF notifications
- Graphs were uploaded / published in iRASFF (3 updates)

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Thank you for your attention



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