



SHIPMENTS OF WASTE ENFORCEMENT ACTIONS PROJECT (LIFE SWEAP)



The IMPEL LIFE SWEAP project (LIFE17 GIE/BE/000480) has received funding from the LIFE Programme of the European Union



- Five-year EU funded project 2018 to 2023
- IMPEL is the Co-ordinating beneficiary
- Associated Beneficiaries:
 - Scotland (SEPA), England (EA), Ireland (NTFSO), Northern Ireland (NIEA), Slovenia (IRSOP) and Malta (ERA)
- 34 participating countries



SWEAP

Project Actions



Capacity building and training

150 customs officers
Inspection exchanges



45,000 co-ordinated inspections

throughout the waste management chain



International collaboration,
communication
and awareness-raising



Innovative enforcement tools

- Reporting app
- Inspection app
- GPS tracking
- Shipment mapping
- Online training



Intelligence gathering and sharing

- Intelligence products
- Nominal data exchange
- Working with Europol



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LIFE SWEAP

Portal for Environmental Enforcers

The online toolkits are free to members of relevant Competent Authorities. Please [log in or register](#) and once we verify your information, we will forward you a password to access the content.



The PREVENT portal provides an online depository of training and capacity building materials. This portal is a collaborative work by projects coordinated by IMPEL and executed with various consortium partners.



The PREVENT portal is a joint activity by [the WasteForce project](#) (funded by the European Union's Internal Security Fund – Police (SFP/2017/AG/ENV/821345)), [the LIFE SWEEP project](#) (funded by the LIFE Programme of the European Union) and the SPIDERWEB Project (jointly financed by the European Union and the Federal Republic of Germany).

ABOUT

PARTNERS

DISCLAIMER

PRIVACY POLICY

COOKIE POLICY



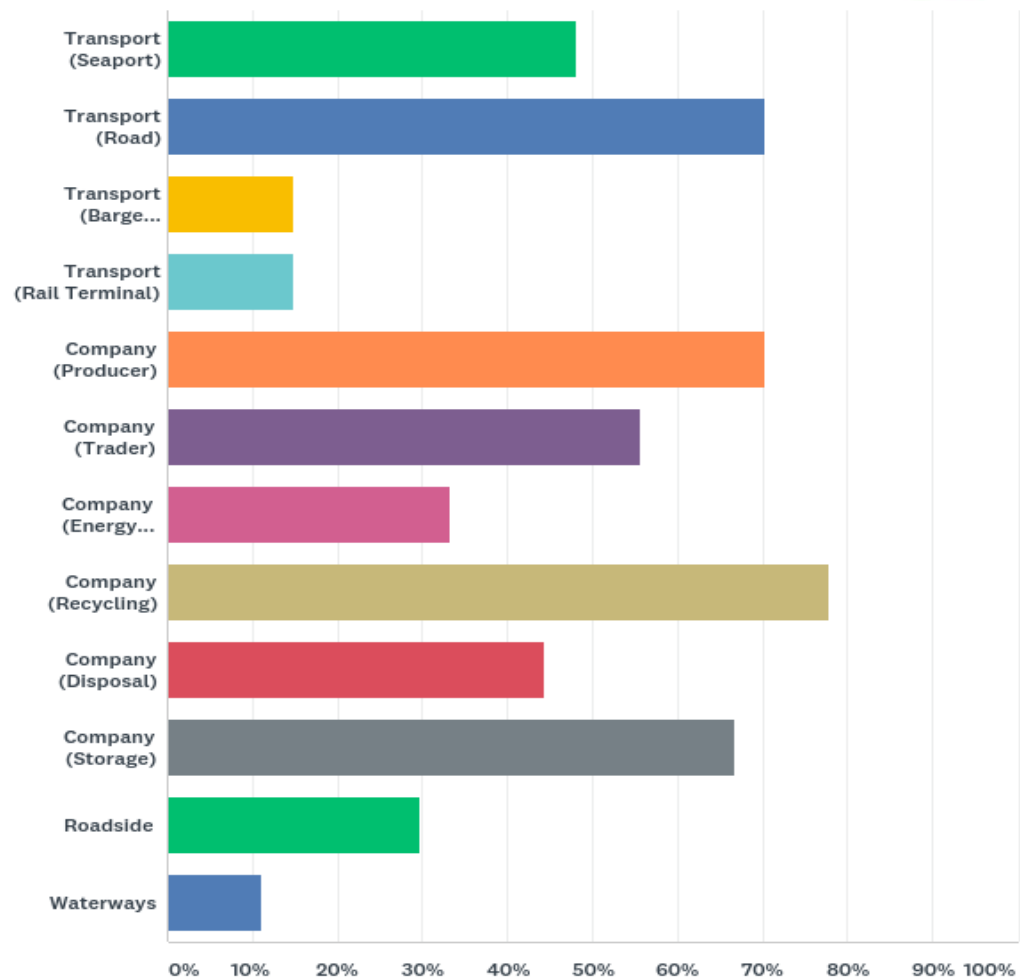
Inspections

Missing:

Albania, Bulgaria, Hungary, Greece, Kosovo,
Iceland, *Italy*, FYR Macedonia, *Turkey*



Types of inspection





➤ Inspection results

Total number of inspections – 41,042

Number of waste inspections – 15,072

Number of violations – 3092

Waste detection rate – 37%

Violation rate – 21%

29 countries across Europe



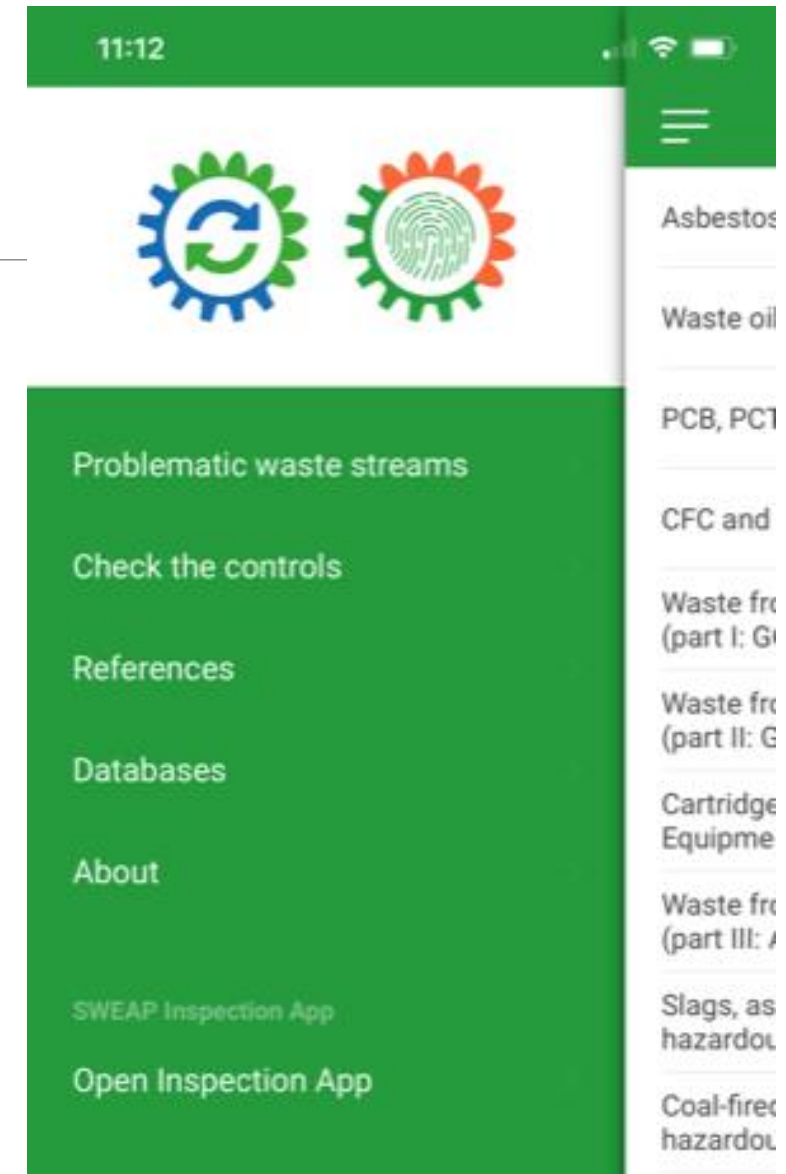
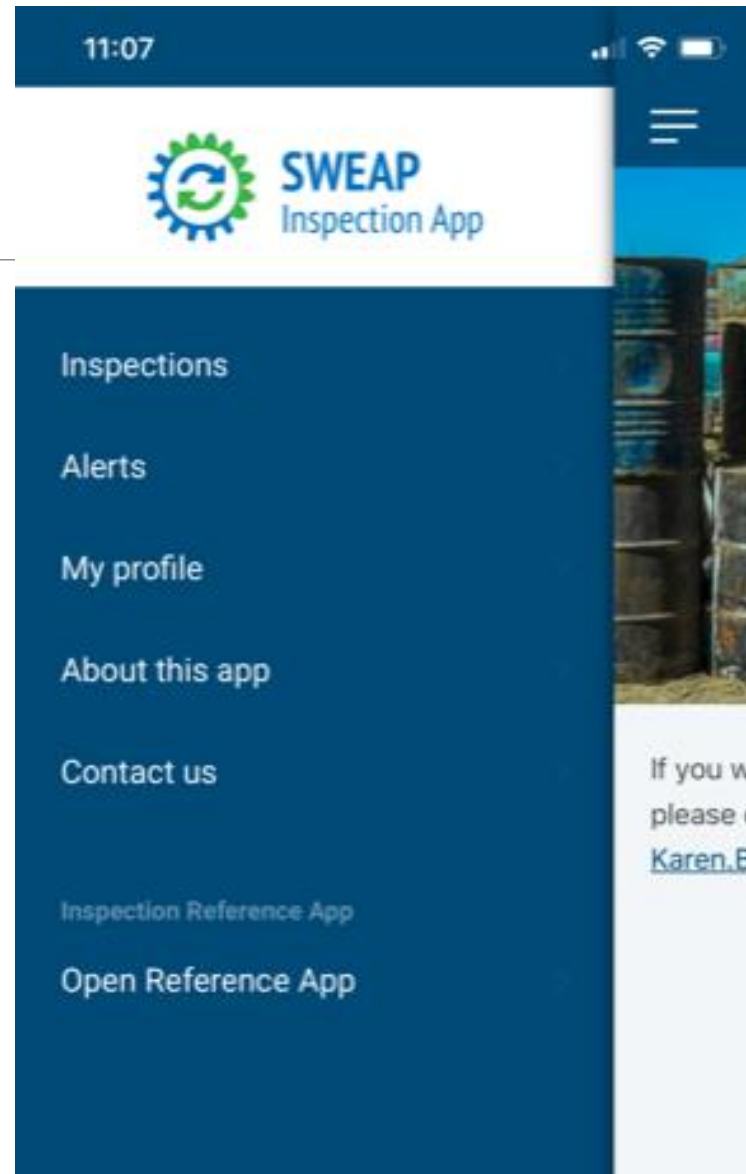
'Two in one' app

Officers have access to both recording and reference tools

Reference app available to all

Currently over 100 users

Quicker and easier than current process





SWEAP

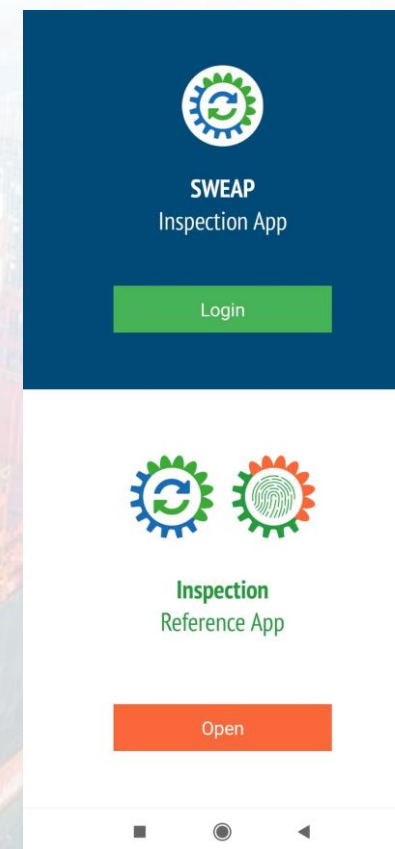
Reference tool

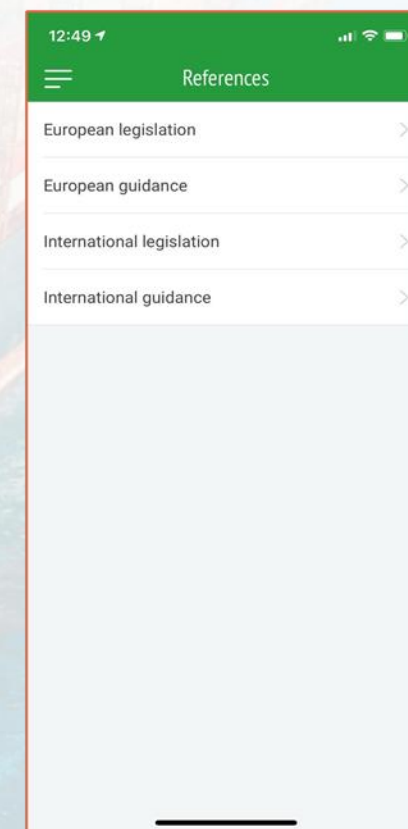
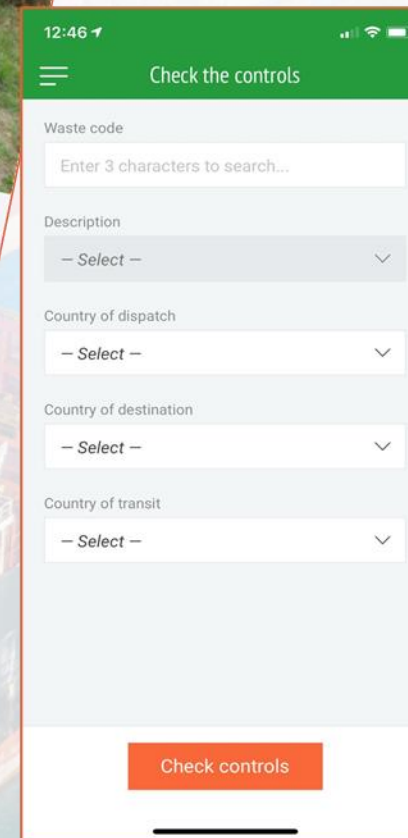
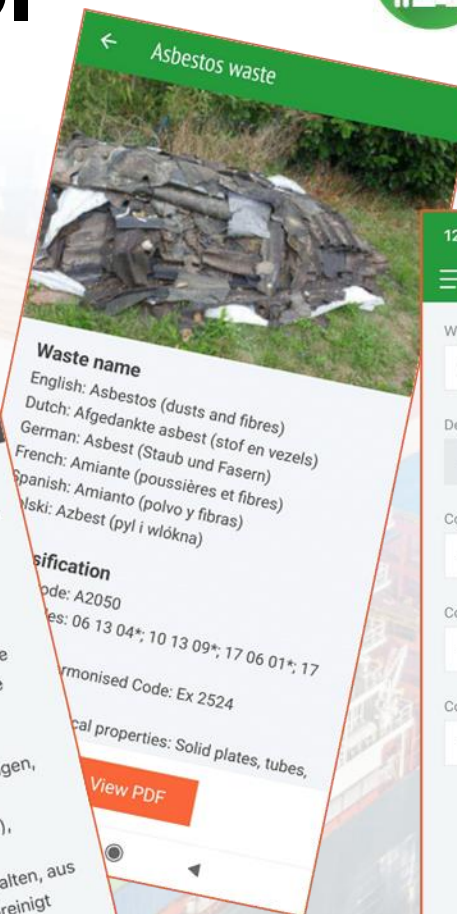
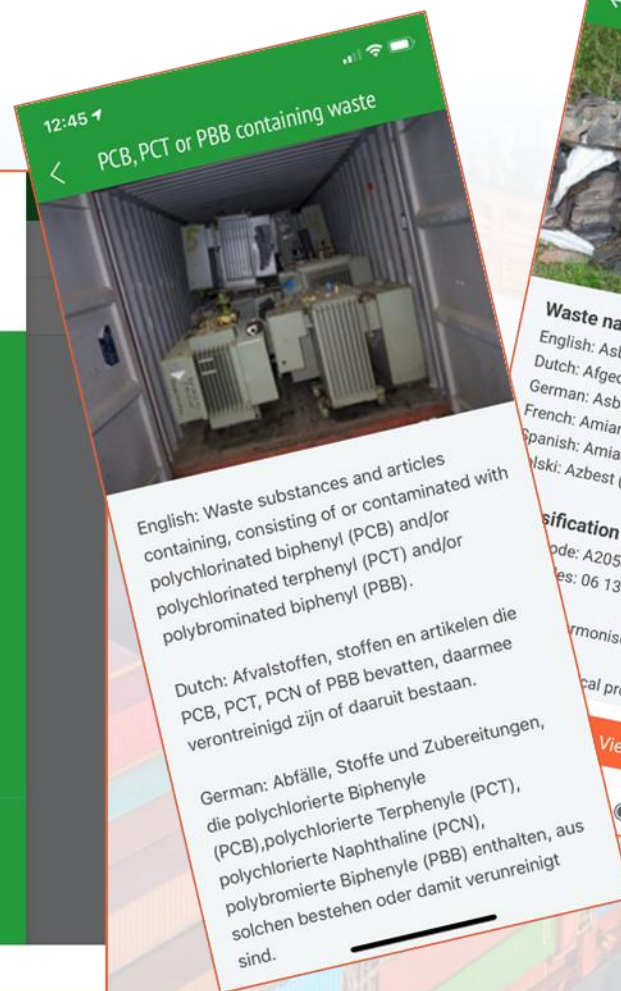
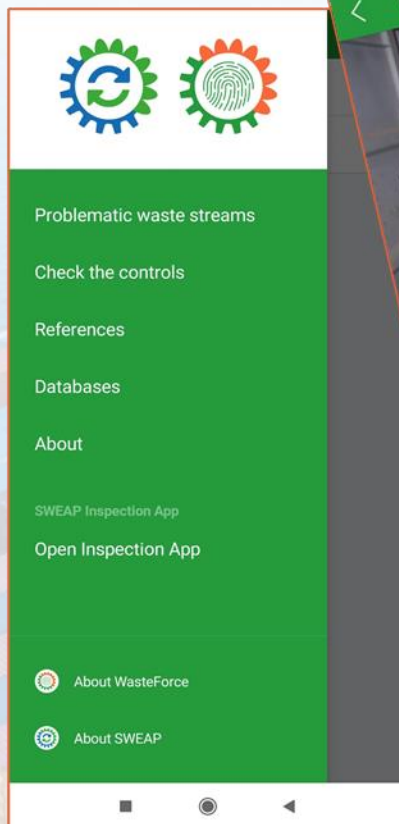


- Tool for 'on-the-road' for inspectors, regulators and law enforcement officers
- References to legislation, waste streams, waste codes
- Available in the Android and Apple app stores and as webversion for desktop use

(collaborative work between WasteForce and the LIFE SWEAP projects)

- <https://tfsinspections.app/>







SWEAP Inspection Form

Please download the app for optimal usage of all features.



- Collect, report and store inspection data online either in field or office
- Can also bulk upload inspections
- Flagging system
- Directly feeding certain data into other systems via API-file (e.g. Spotfire)
- Available for intelligence analysis if authority agrees



Inspection Reporting App

- Take pictures and attach them to inspection forms
- Flag suspicious containers and notify colleagues in country of transit/destination



Content Management System

- Work ongoing in building up the Content Management System (App database)
- Setting up Authority Co-ordinators for each Competent Authority
- Authority Co-ordinators will use the database to set up Inspectors with user accounts
- Ability to view data and run reports based on Inspection results *(for their Authority only)*

TITLE	NUMBER OF AUTHORITIES	
Austria	1	Edit
Belgium	3	Edit
Belgium Flanders	0	Edit
Bulgaria	0	Edit
Croatia	0	Edit
Cyprus	0	Edit



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User roles

1. IMPEL – Project Admin, sets up new users
2. Authority Co-Ordinator – sets up inspector users, can edit inspections and download data, can choose which questions to set and which answers to share.
3. Inspector – records inspections, can review own authority's data, can turn 'flags' on or off to add text



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Example of App data fields & replies which are stored within the CMS ...

The image displays four mobile app screens for a 'New Inspection' workflow, followed by a gallery of photos.

Screen 1: New Inspection - Step 2

- Selection method:
- Type of check:
- Name of site:
- Address of site:
- Legal site: ☒ Yes, ☐ No, ☐ Unclear
- Permit number:
- Type of site:

Screen 2: New Inspection - Smart select

- Address of site:
- All addresses of sites:
 - Example England
 - Example The Netherlands
 - Example Germany
 - Example The Netherlands
 - Example France

Screen 3: New Inspection - Step 3

- Type of waste:
- Description of waste:
- Amount of waste:
- Unlisted waste: ☒ Yes, ☐ No
- European Waste code:
- Basel code:
- OECD code:
- Concerns: ☒ Import, ☐ Transit, ☐ Export
- Treatment:

Screen 4: New Inspection - Step 4

- Has the shipment been notified? ☒ Yes, ☐ No, ☐ Not applicable
- Annex VI information: ☒ Yes, ☐ No, ☐ Not applicable
- Annex VI reference number:
- Is there a violation? ☒ Yes, ☐ No, ☐ Further investigation required
- Type of violation:
- Who is responsible? ☒ Site, ☐ Other party
- Further action:

Screen 5: Gallery

A grid of 12 photos showing various environmental scenes, including food, landscapes, and industrial sites.



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Further information

- Hosted on EU servers, back-ups, annual penetration testing, silver-stripe system
- Tested by inspectors
- Data processing and sharing agreements compliant with European and national data protection rules
- Each authority is the Information Asset Owner for its data, and must comply with national retention schedules
- Hopefully Irish Competent Authority will eventually host system



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Visualising data



Violations by Reporting Country

Size of pie charts denotes the number of instances where the waste type is reported for each reporting country



Violations by Dispatch Country

Size of pie charts denotes the number of instances where the waste type is reported for each dispatch country



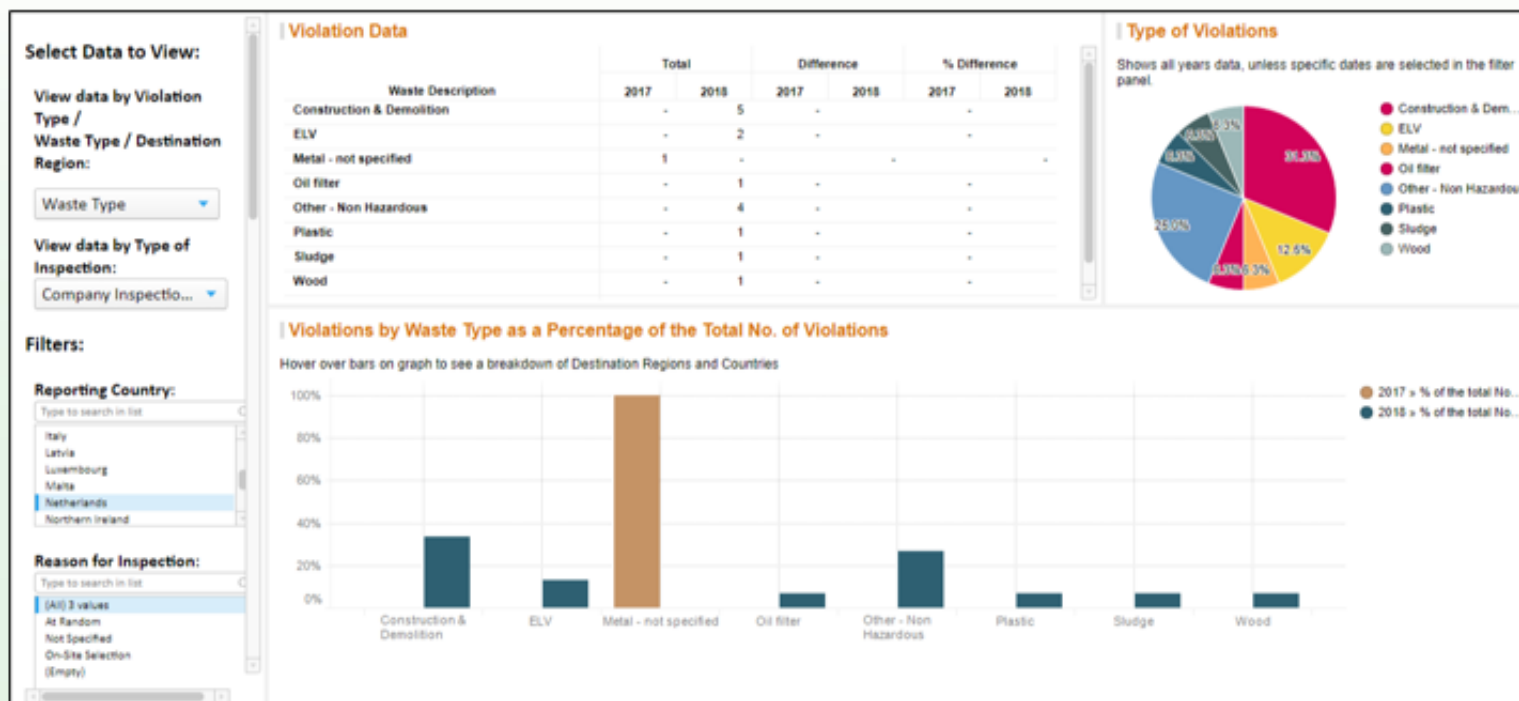
Violations by Destination Country

Size of pie charts denotes the number of instances where the waste type is reported for each destination country





Geographical Mapping Tool





Geographical Mapping Tool

- Reporting app will automatically feed inspection information into the mapping tool
- Using GPS location and container numbers we will be able to see movements of waste
- Plans for additional features using commodity prices and customs trade data



Questions

This is not a case management system – should it be?

Evidential value?

What should be changed?



Building capacity and coordinating EU-wide inspections on shipments of waste to intensify the operational collaboration and enforcement actions between law enforcement communities

THE LIFE SWEAP PROJECT

The Shipment of Waste Enforcement Actions Project (SWEAP) project is co-funded by the European Commission



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