



**STRONGER TRAINING AND INCREASED KNOWLEDGE FOR  
BETTER ENFORCEMENT AGAINST WASTE & MERCURY**

**Help is Here! Tools Training and  
Platforms to Support the fight against  
illegal trade of waste and chemicals**



The STRiKE Project is funded by the European Union Internal Security Fund - Police (ISFP-2018-AG-OC-ENV-869173)

Webinar 7  
06.12.2021

# Stronger Training and Increased Knowledge for better Enforcement against Waste & Mercury (STRIKE)

## Welcome!

- Please mute your microphone
- Chat function is available
- Session will be recorded



# Stronger Training and Increased Knowledge for better Enforcement against Waste & Mercury (STRIKE)

- **Full Partners** University of Limerick (Lead), SCYCLE Team [Scientific Advisor], UNITAR, German Police University, Dutch National Forensic Institute
- **Associate Partners** German Customs Authority (Germany); Dublin City Council – National Transfrontier Shipment Office, District of Lower Bavaria (Germany); Basel Convention Regional Centre (Slovakia); African Institute (South Africa), Waste Management Department - Ministry of Environment and Physical Planning (Macedonia).

- **High Level Advisory Board**

February 2020 - Duration: 24 months

Geographical scope: EU, CEE/Balkan region and selected African countries



# Objectives

- STRIKE aims to further **enhance operational activities & capacities of authorities** involved in addressing illegal trade & management of problematic waste streams
- Focus on: **e-waste, end-of-life vehicles, batteries & waste mercury & mercury-added products (MAPs)**.
- The project is a builds upon the recommendations, outcomes and legacy of **CWIT, DOTCOM Waste** and the **WasteForce** projects.



# STRiKE: Work Programme

- Strategic Risk Analysis
- Compendium of best practices
- Training Needs Assessment
- Testing of Forensic Tools and Methodologies
- Development of training materials and methods
- **Upcoming**
- Further webinars
- Dedicated Training sessions led by: DhPol, NFI and BRC Slovakia, UL (October 21 – Jan 22)
- <https://www.strikeproject.org/>



06

DECEMBER

Monday,  
1.00 PM CET

## AGENDA

1. Short Introduction
2. Early Indications from the use of the UN Mercury Inventory Tool in Predicting Mercury Wastes in Ireland - Yvonne Ryan
3. IOMC Toolbox short introduction - Izia Vallaeys
4. Pollutant Release and Transfers Registers - Jorge Ocaña
5. Green customs initiative - Aphrodite Smagadi
6. Q&A session and Conclusion





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# Early Indications from the use of the UN Mercury Inventory Tool in Predicting Mercury Wastes in Ireland

**Dr Yvonne Ryan  
University of Limerick, Ireland**



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# Mercury Background

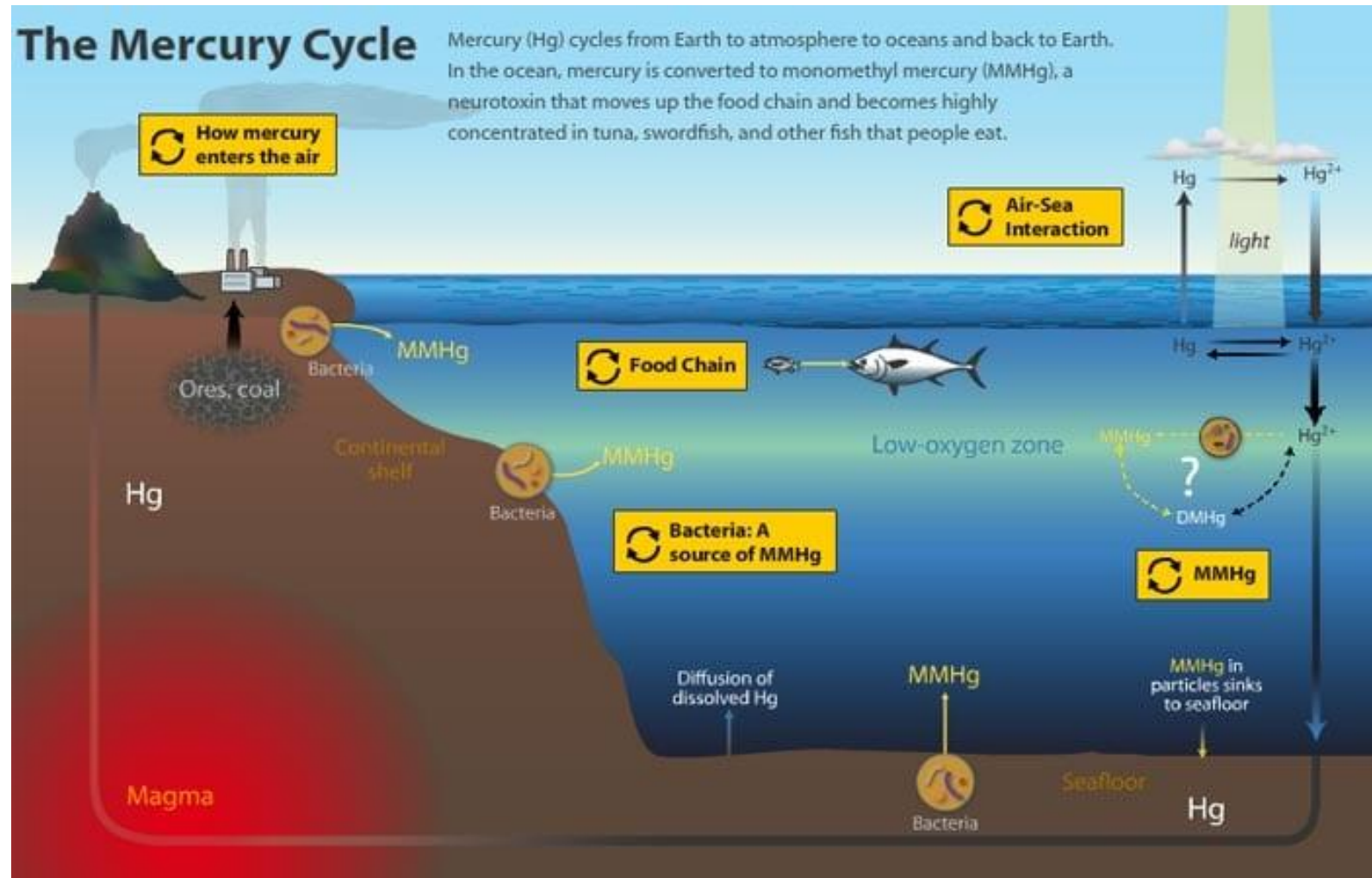
WHO classify mercury as one of the top 10 chemicals of concern

It is a neuro toxin

There are no safe levels

Natural & anthropogenic Sources

Eliminate anthropogenic sources





## Mercury Inventory Tool

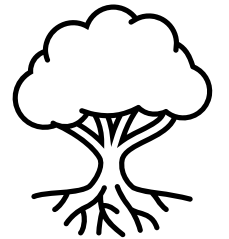
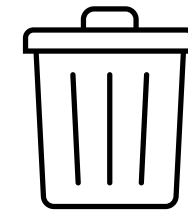
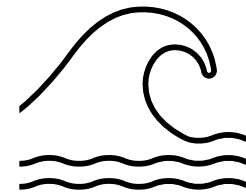
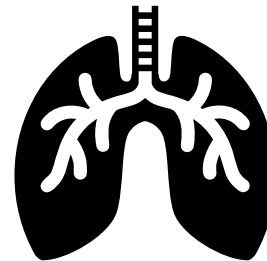


The Mercury Inventory Tool was developed by UNEP to assist countries to identify and quantify sources of mercury releases

With the Toolkit, a comprehensive national mercury releases inventory can be developed

Gives outputs in terms of releases to:

- Air
- Water
- Products
- Land
- Waste and By-Products



- Full details at: <https://www.unep.org/globalmercurypartnership/resources/other/mercury-inventory-toolkit>



# Mercury Inventory of Ireland

## Data Requirements:

- Activity in country
- Mining e.g. ASGM and other metals
- Energy production
- Metals production
- Economic activity (materials in / out)
- Dental amalgam (dentistry, end of life options)

## Ireland – EU Membership

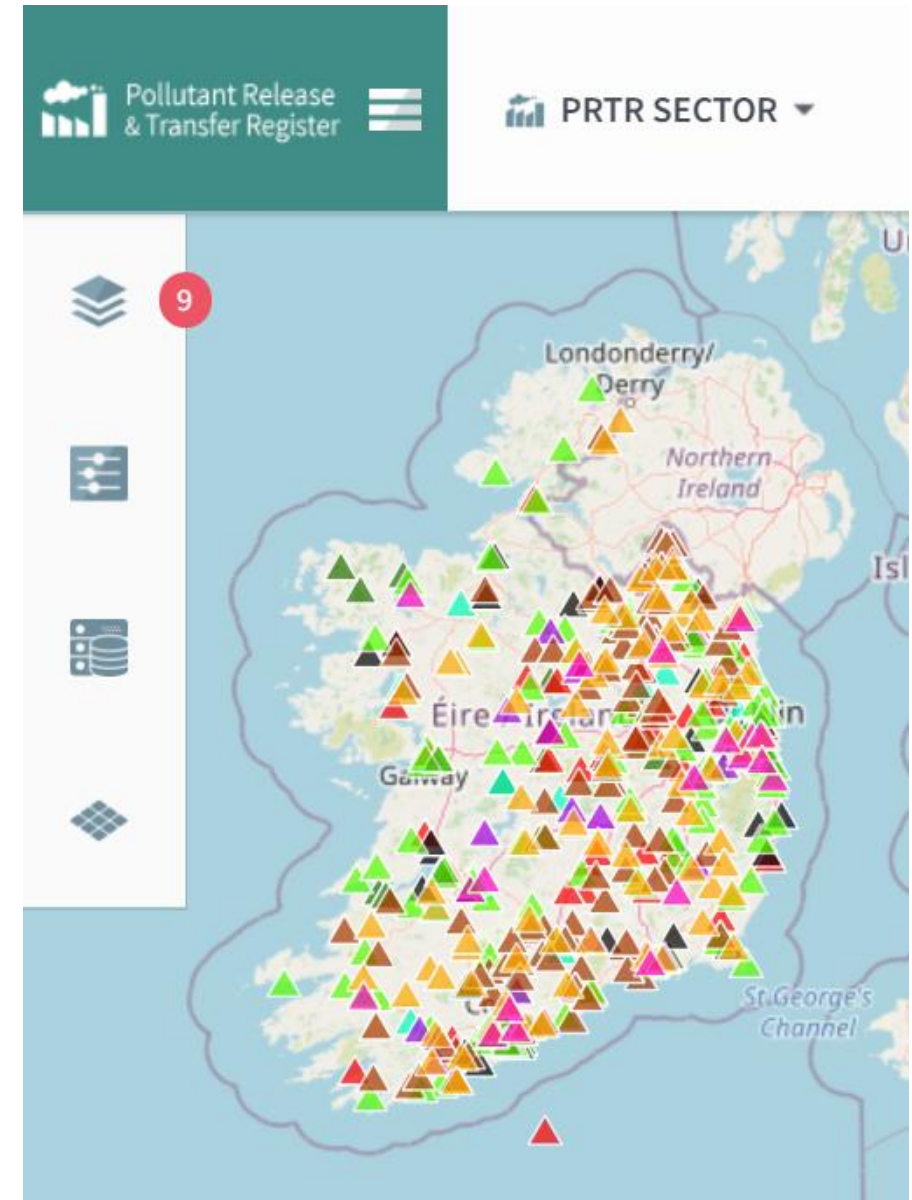
Energy Balances

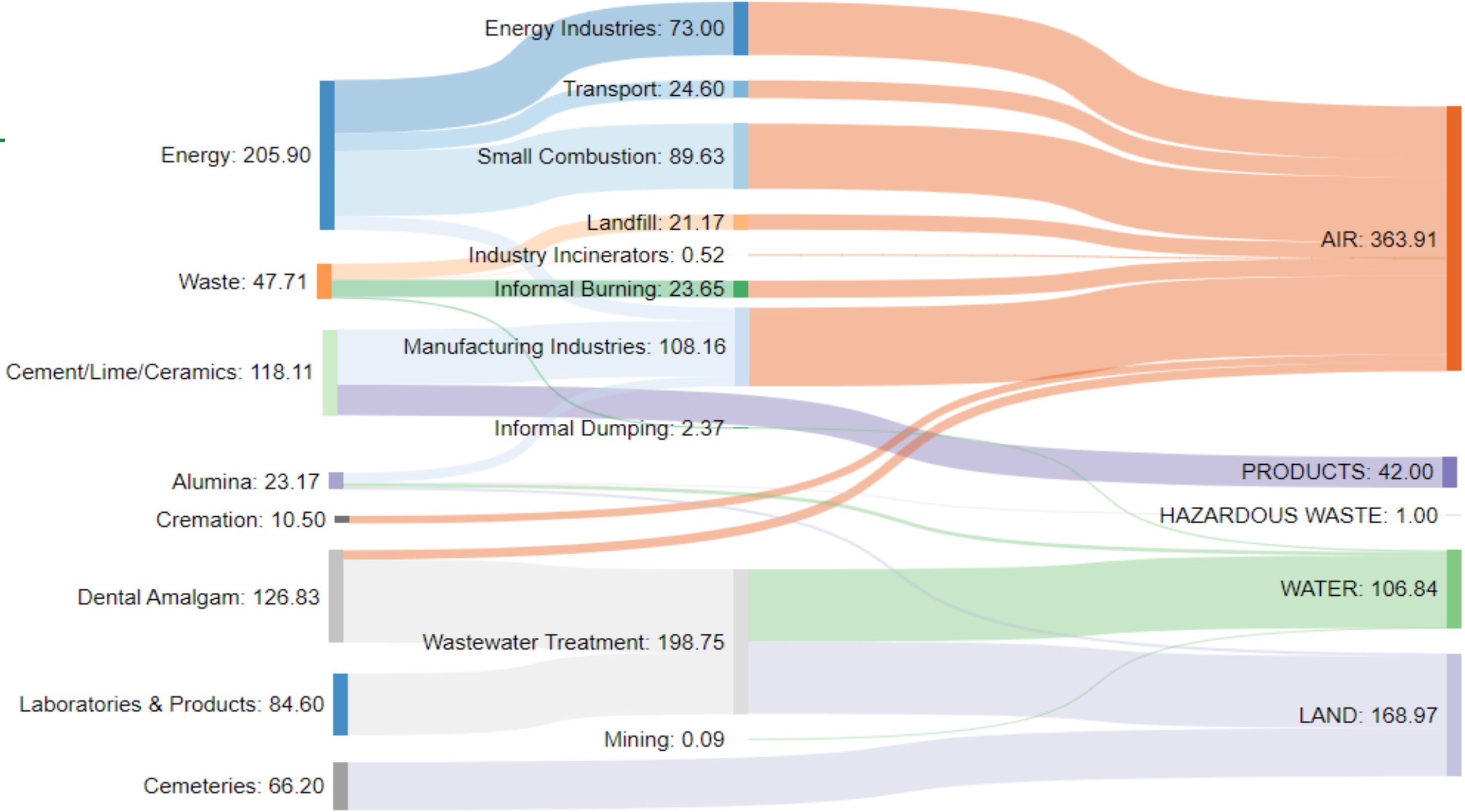
UN Convention on Long Range Transboundary Air  
Pollution

Pollutant Release and Transfer Register

Annual Environmental Reports

Primary Research\*



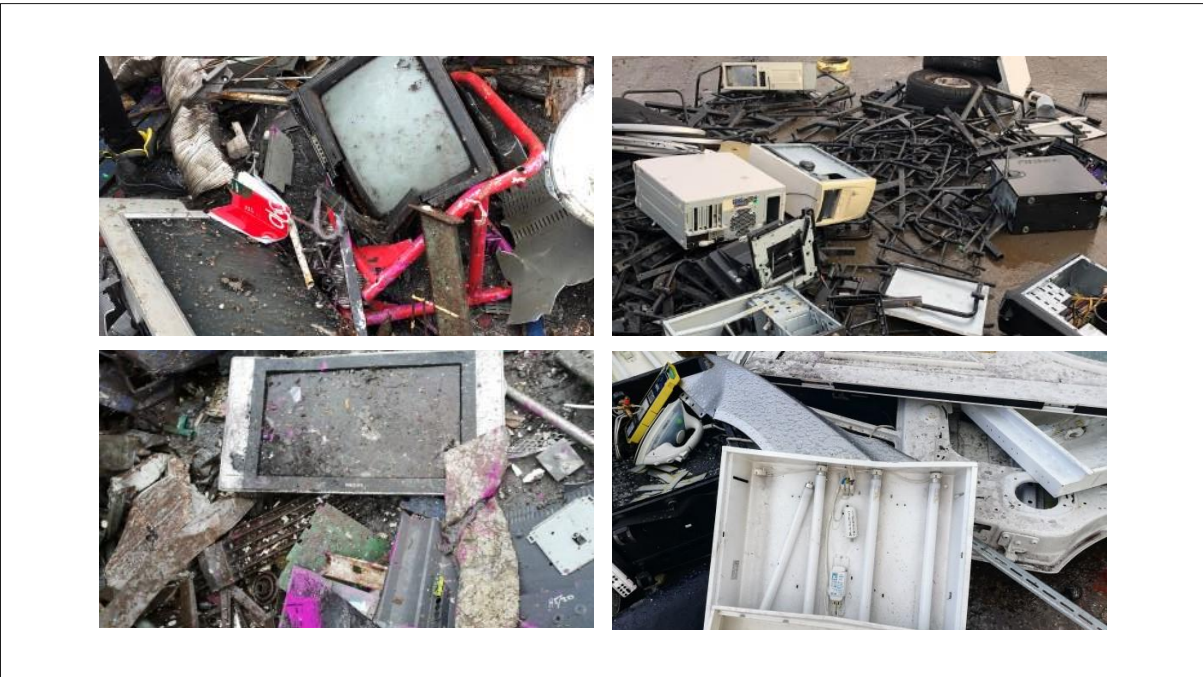
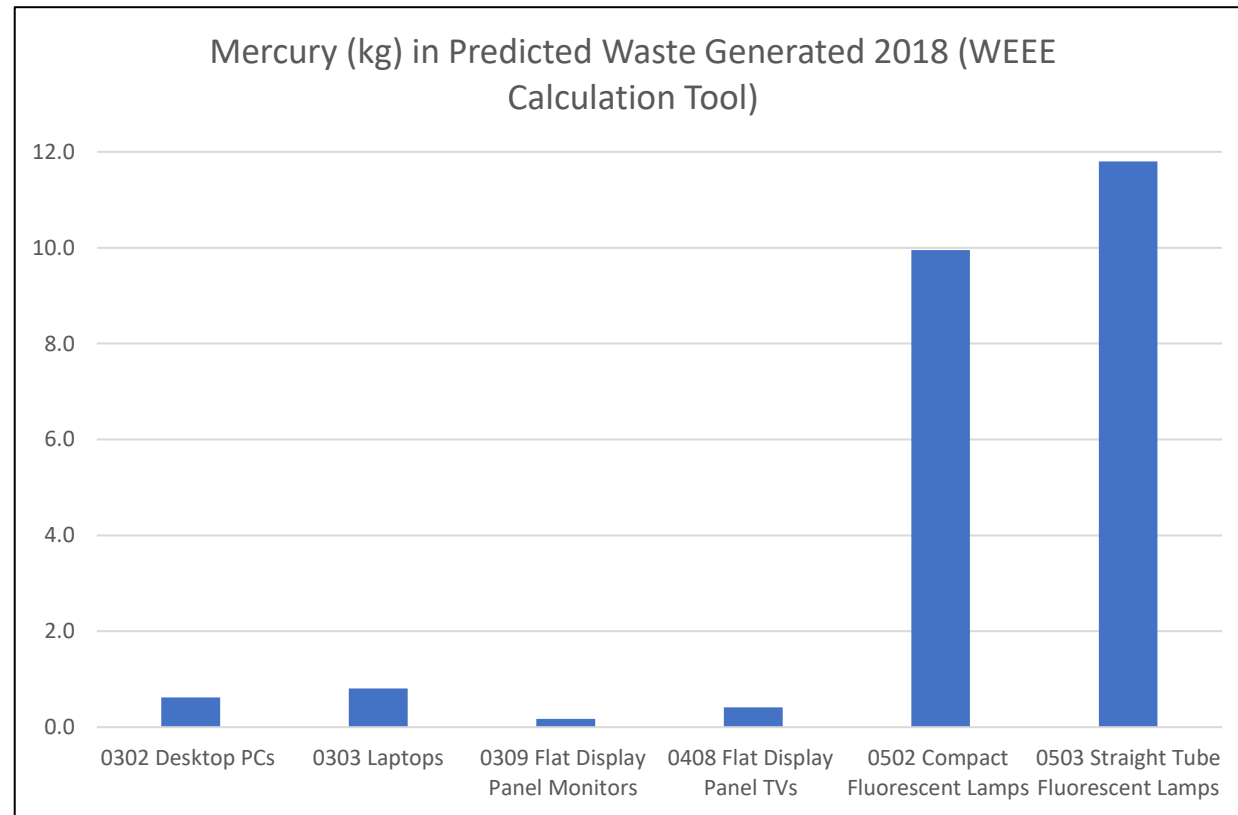




# Example: Mercury Added Products – WEEE / E-Waste

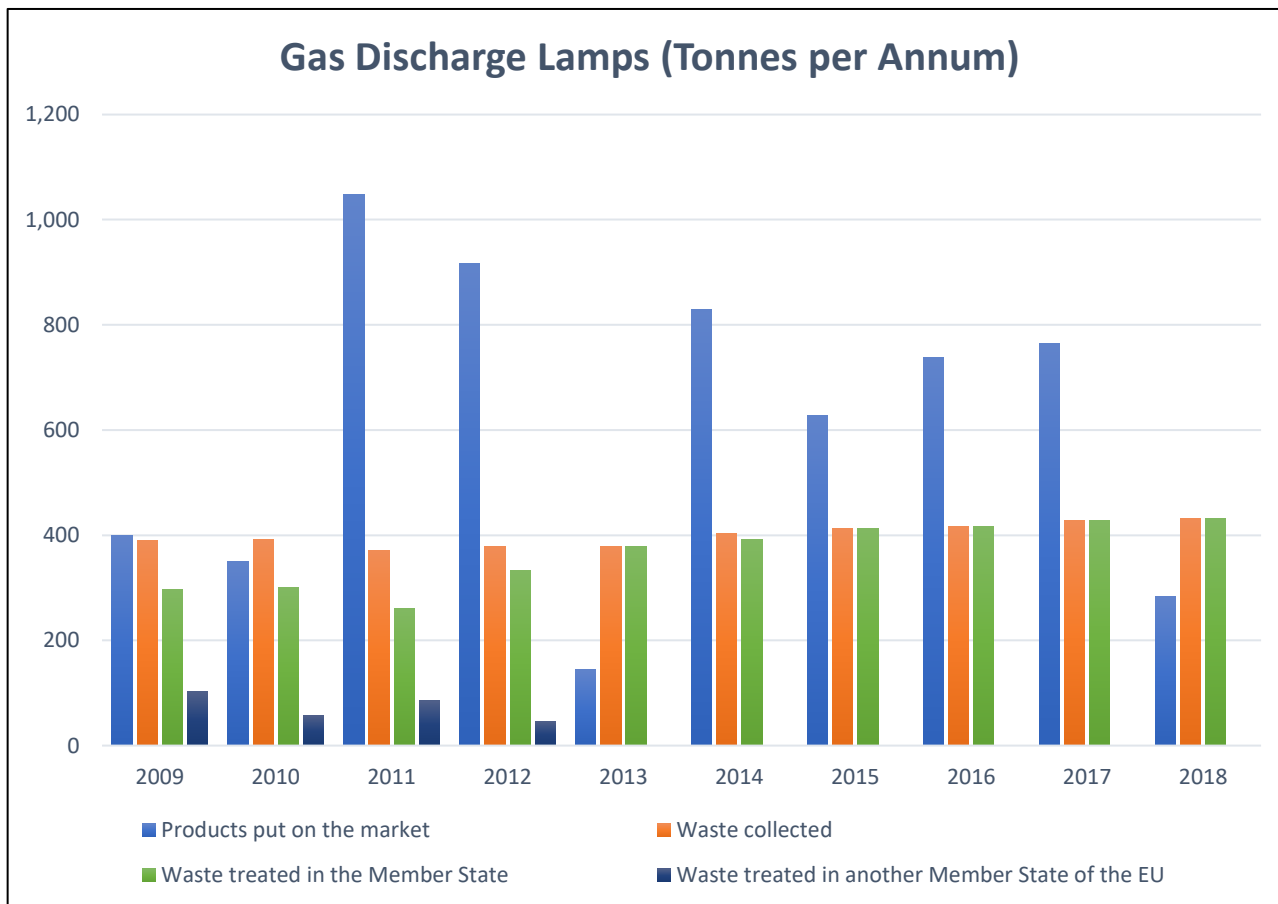


UNU Key and Description
302 Desktop PCs (excl. monitors, accessories)
303 Laptops (incl. tablets)
309 Flat Display Panel Monitors (LCD, LED)
408 Flat Display Panel TVs (LCD, LED, Plasma)
503 Straight Tube Fluorescent Lamps
502 Compact Fluorescent Lamps





# Example: Mercury Added Products – WEEE / E-Waste





## Inventory Tools: Waste Generated and Flow

### Development of Enforcement and Inspection Plans

- Based on risk assessments
- Materials of Interest / Concern
- Intelligence
- Developing countries – systemic overview of sources to be watched
- EU etc. Expected waste arising e.g. Lighthouses, bearings
- Impact of cleaner technologies e.g. BAT, cleaning of flue gases and emissions





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**Thank you!**

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**Dr Yvonne Ryan  
University of Limerick, Ireland**



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