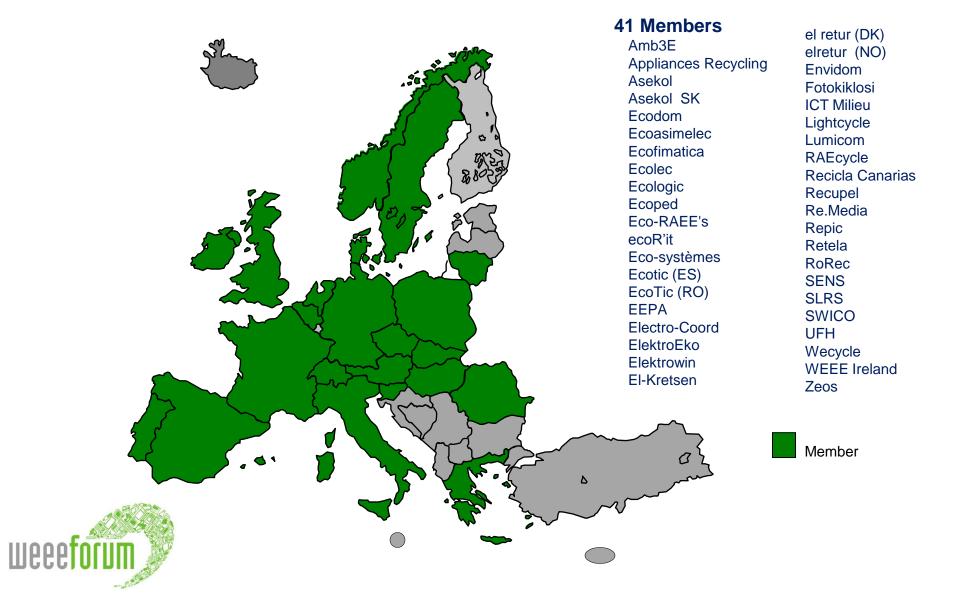
Waste Electronic & Electrical Equipment & & Countering WEEE Illegal Trade (CWIT) Project

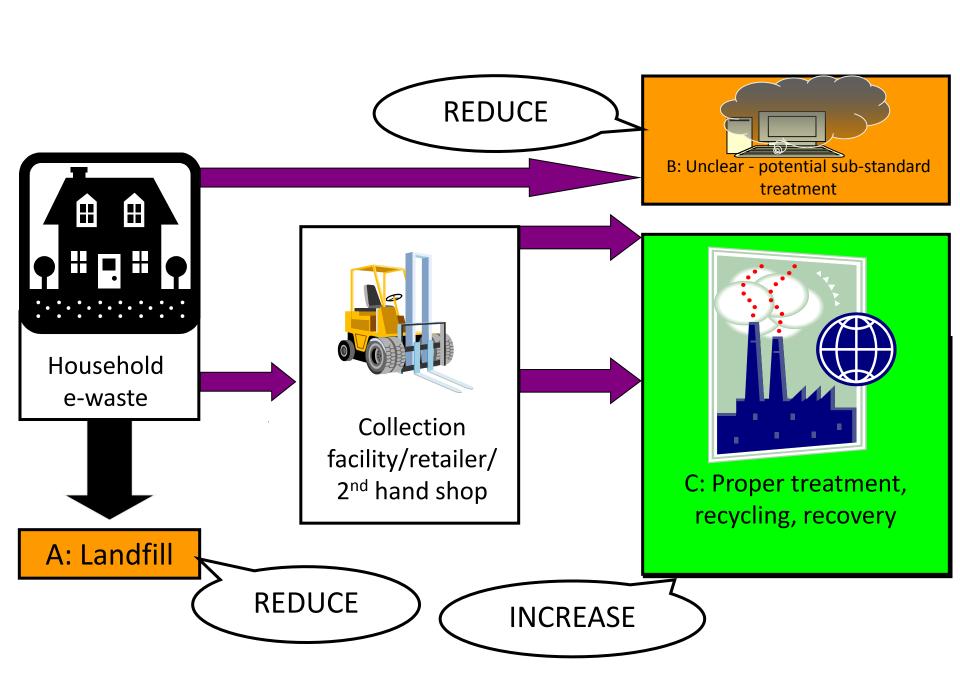


Dr Thérèse Shryane WEEE Forum

GMS Meeting 11 – 13 July 2012

WEEE Forum

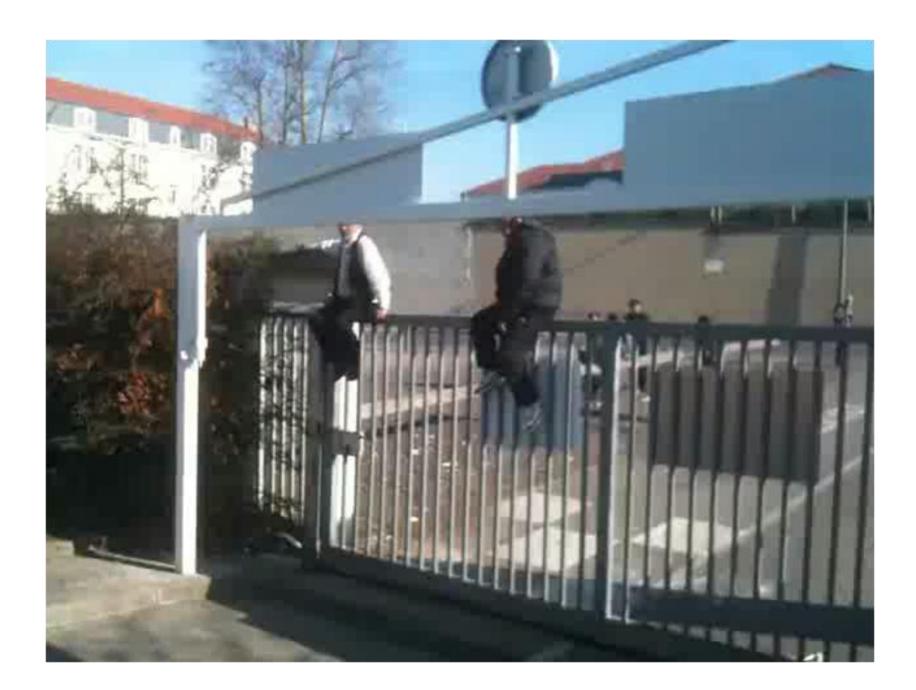




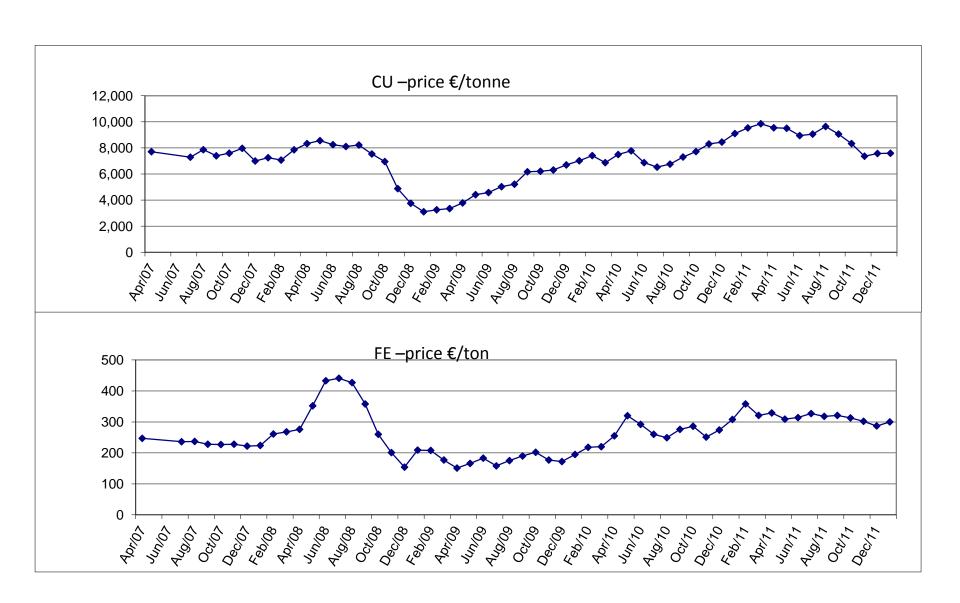
WEEE & Fractions

Why does an illegal trade exist?





Metal prices



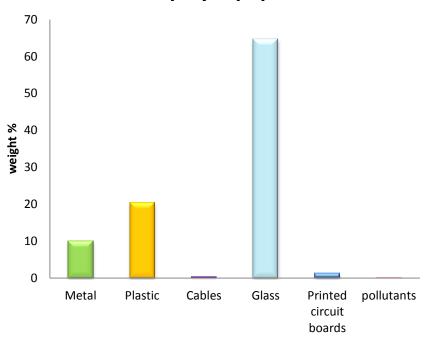
WEEE & fractions

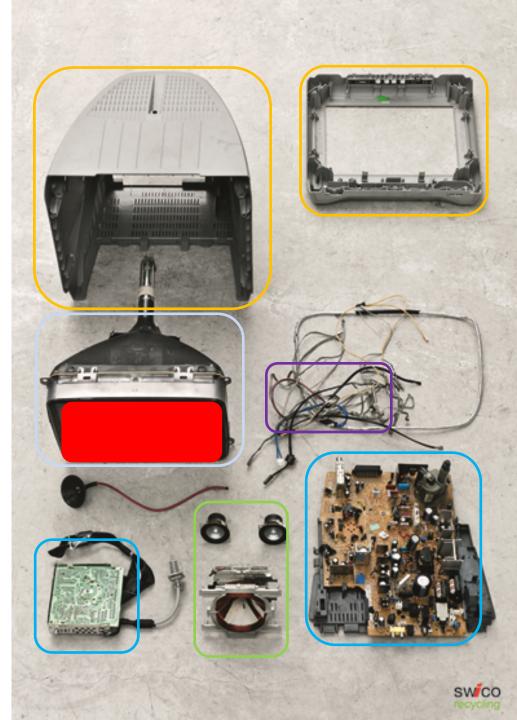
Impact of illegal trade in WEEE

- Economic interest in certain fractions; loss of materials to legal traders, loss of taxation revenue
- Environmental and health & safety effects due to uncontrolled release of hazardous fractions
- Loss of Critical Raw Materials from European manufacturing
- Organised crime
- Damages the reputation of producers



CRT Display equipment





Economic incentives in certain fractions



Hazardous fractions





Output fractions of lamps recycling:

88% Glass

5% metal

4% Plastic

3% fluorescent powders

0.005% mercury

Raw Materials Vs WEEE Recycling



Mining raw materials

≈5 g/t gold (Au) ≈5 g/t platinum group metals (Pt, Pd, Rh, ...)









Recycling of WEEE

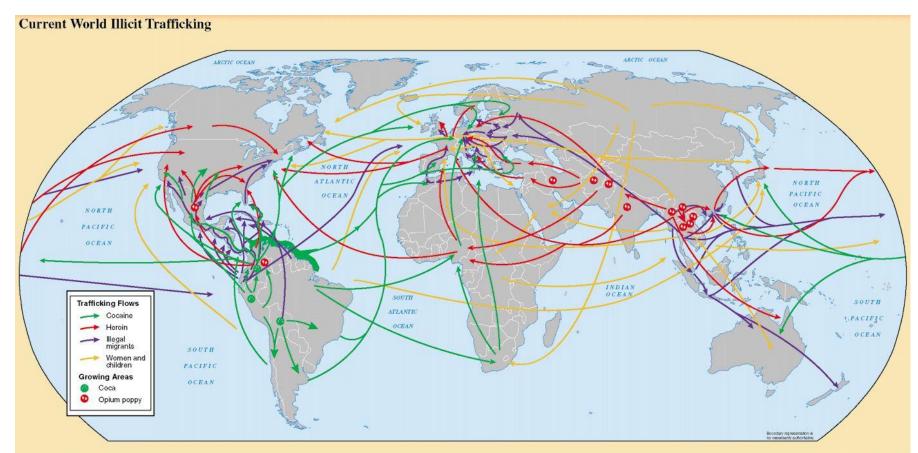
In computer processers ≈ 200 g/t Au & 80 g/t Pd

Mobile Phones ≈300 g/t Au & ≈ 100 g/t Pd

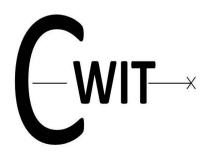
Printed Circuit boards (LCD monitor) ≈1,300 g/t Ag ≈490 g/t Au ≈99 g/t Pd

Organised Crime

Trafficking routes for Drugs and People







CWIT project

Countering WEEE Illegal Trade



Countering WEEE Illegal Trade (CWIT) project

Objectives

Quantify the volumes of WEEE in Europe

Analyse criminal behaviours associated with WEEE trade

The aim of the Countering WEEE Illegal Trade (CWIT) project is through intensive data collection, stakeholder involvement, and an intelligence-based approach to

- quantify the volumes of WEEE in Europe,
- to develop detailed understanding of the destinations and routes used to carry illegal shipments, and to
- provide a set of recommendations to support the European Commission, law enforcement authorities, and customs organisations countering the illegal trade of WEEE in Europe.

Countering WEEE Illegal Trade (CWIT) project

Countering WEEE Illegal Trade

- 2 year project, 2013 2015
- European Commission FP7 project

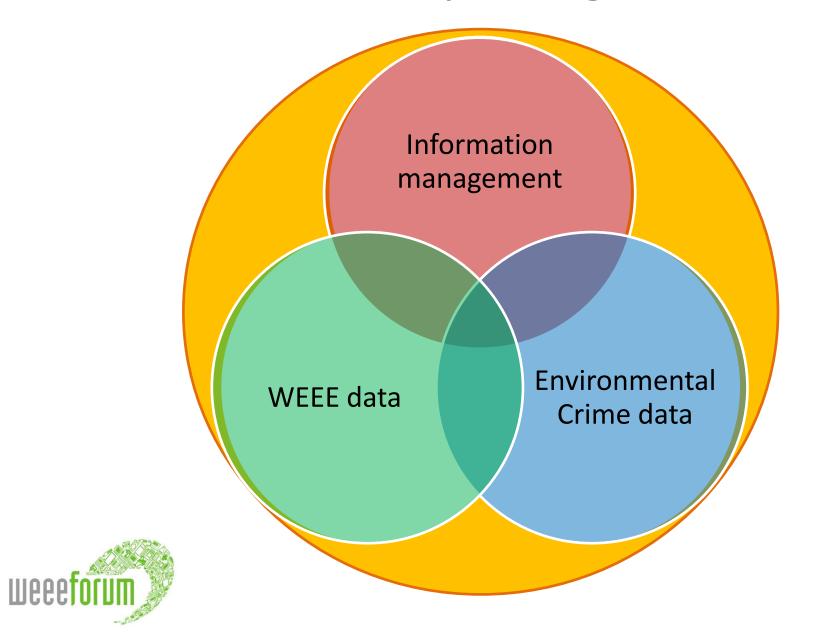
Consortium:

IB Consultancy, WEEE Forum, UNU, Compliance & Risk, Zanasi & partners, CBRA, UNICRI, INTERPOL

Stakeholders

WEEE compliance schemes, producers, recyclers, metals recycling industry, construction industry, customs & border control organisations, law enforcement authorities, universities, networks for implementation and enforcement of environmental law, SMEs, European institutions...

Work packages



WP1

IB Consultancy & WEEE Forum

WP 2
WEEE Forum

WP 3
Compliance
& Risk

WP 4

WP 5
Interpol/UNICRI / Z&P / CBRA /IBC

WP 6
Interpol/UNICRI / IBC +
Z&P / CBRA /IBC
All partner

Identification of stakeholders and end-users

Literature review INT policies

Typology of companies in export market

Definition of organized crime

Volume of WEEE

generated

shipped

Recommendati ons for:

* European Legal framework

* Law Enforcement authorities

* WEEE industries

* Electronics Industries

&

Roadmap for future research & technology development

Preparation of Dissemination program

Public website

Dissemination activities

Exploitation model

Linking with ongoing initiatives

Global distribution of WEEE

Identification of existing initiatives

policies

Literature Estimation of review EU volume of WEEE policies generated

Conceptual model of WEEE stream

Analysing criminal activity



WP1

Management of the project

Project co-ordinator & Project manager

Mr. Alexandre Custaud - IB Consultancy

Project co-ordination

Reporting to the Commission,

Overall project management (reporting, financial, legal, etc...)

Scientific co-ordinator & Project manager

Thérèse Shryane – WEEE Forum

Organisation of High Level Advisory Board

Coordination of scientific & technical content of project

Overall project management (reporting, etc...)

WP 2 State of the Art

WEEE Forum / UNU

- Identification of stakeholders and endusers
- Global distribution of WEEE
- Identification of existing initiatives

- List of stakeholders and end-users
- Stakeholders Platform
- Database and WEEE classification listing
- Inventory of WEEE related research



WP 3 Legal Framework

Compliance & Risk

- Literature review International policies
- Literature review European policies

- List of countries for comparative study
- Overview of selected country policy, requirement, implementation and enforcement
- Comparative overview



WP 4 Market Assessment

WEEE Forum, UNU

- Typology of companies

 (and brokers) involved in
 the export market
- Estimation of volume of WEEE generated
- Conceptual model of WEEE stream

- Database of stakeholders per member states
- Report on Volume of use EEE and WEEE generated
- Report on the dynamics of the WEEE stream



WP 5 Crime Analysis

Interpol, UNICRI, CBRA, Zanasi, & IB Consultancy,

- Definition of Organised Crime in the global distribution of WEEE
- Estimation of volume of WEEE illegally traded
- Analysing of criminal activity and crime types associated with illegal WEEE trading

- Definition of Organised Crime applied to WEEE
- Estimation of volume of WEEE illegally traded
- Evaluation matrix template to codify the crime types
- Gap Analysis
- Analyse criminal activity
- CONOPS & ROM

WP 6 Recommendations

Interpol, UNICRI, CBRA, Zanasi, & IB Consultancy,

Deliverables

Provide recommendations for the stakeholders network

Recommendations for:

- The European legal framework
- Improving law enforcement capabilities
- WEEE treatment and management industry
- Electronics industry
- Roadmap for future research
 & technology development



WP7 Dissemination

Dissemination of project results through:

- Communication strategy
- Communication materials
- Public website
- Dissemination Activities
- Exploitation model
- Final Conference (Dublin)



Thank you

For further information please contact:

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