Smarter Regulation of Waste In Europe

Date

An EU LIFE+ project for 2014-2019

(LIFE13 ENV-UK-000549)

Life

SEPA
Scottish Environment Protection Agency
Buidheann Dìon Àrainneachd na h-Alba

Cyfoeth Naturiol Cymru
Natural Resources Wales

ACR+

bruxelles environnement leefmilieu brussel .brussels

€4.3m project
Project beneficiaries 50%
LIFE 50%

4 beneficiaries
of the project

13 Employees
(Full Time Equivalents)

SEPA

bruxelles environnement leefmilieu brussel .brussels

Cyfoeth Naturiol Cymru
Natural Resources Wales

ACR+

www.lifesmartwaste.com

Project Objectives

- **<u>Objective 1 – Understand Waste Crime</u>**
- Develop innovative intelligence gathering and analytical approaches to identify and understand significant waste crime issues

- **<u>Objective 2 –Tackle, reduce and evaluate</u>**
- Design innovative intelligence led interventions specifically with regard to challenging waste streams, problem waste operators and illegal waste activities

- **<u>Objective 3 – Disseminate learning and legacy</u>**
- Communicate the Project results , sell the benefits of the approach and to influence EU policy and legislative changes

TACKLING WASTE CRIME

SMART Waste

Innovation

Tools

- Financial investigations
- Horizon scanning
- Competitive Intelligence (CI)

Approaches & techniques

- Waste flow audits
- Waste flow tracking devices
- Remote sensing
- Intervention design

Investigations & interventions

- Barriers to joint working
- Investigations
- Intelligence gathering
- Cross-agency interventions

Collaboration

- External Steering Group
- Intervention group partnerships
- Communication Hub

Communication

- Intelligence reports
- Policy recommendation reports
- EU briefing paper
- Layman's report
- Case studies
- Final conference May 2019

SMARTER REGULATION OF WASTE IN EUROPE

Life SMART Waste Project – Waste Crime Indicators – Lauren Fuller

Aims

- Combine data analysis with regulatory insight

- Develop indicators of potential criminal activity in waste management sites

- Use data sets from SEPA and other environment agencies

- Identify indicators which are applicable to environment agency data across Europe
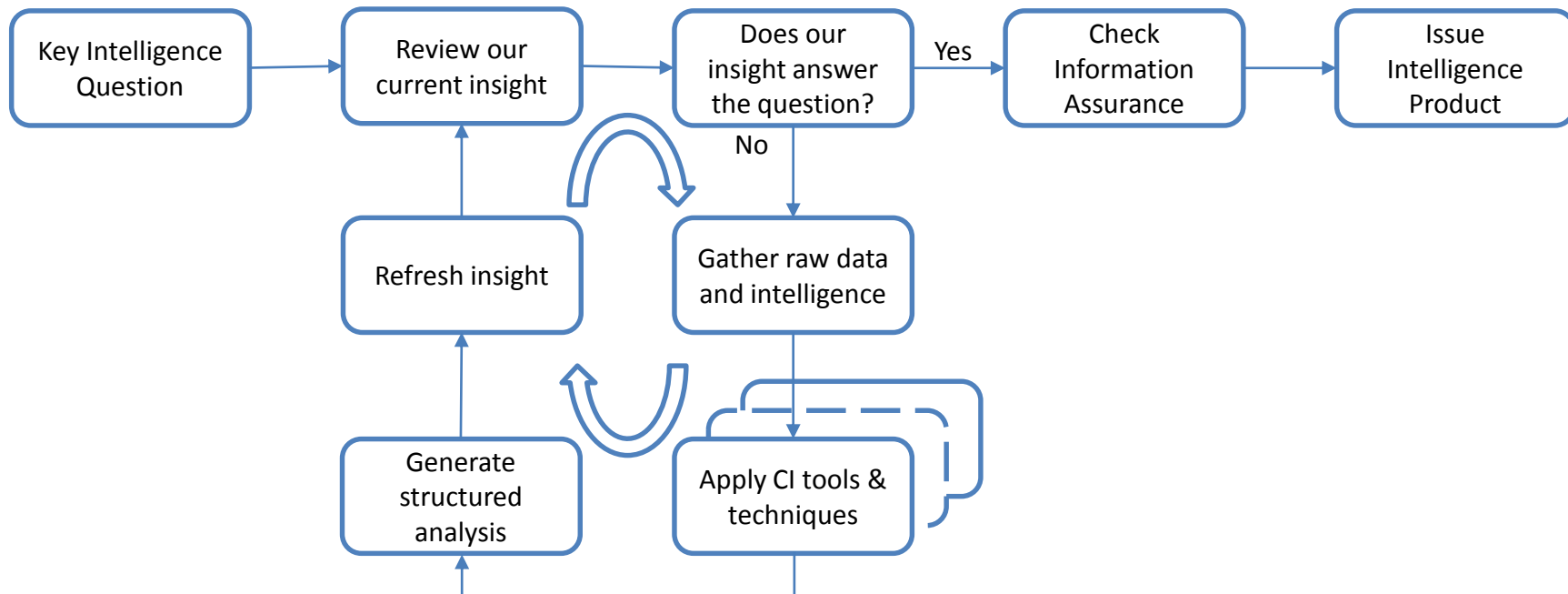
Methods

- **Waste flow analysis**: identifies where a waste stream has not conformed to the known or expected flow through the   waste management system

- **EWC mismatch analysis**: identifies where EWC codes do not match across the waste data return

- **Disproportionate amounts analysis**: selects a population of comparable sites over a period of time, calculates a proportion of interest for each site (e.g. the proportion of an EWC code received each quarter) and analyses whether   there are any outlier sites reporting very high or low amounts compared to the population

Competitive Intelligence Toolkit – Erik MacEachern

- Identify the key gaps in our understanding of challenging waste streams **– "the things we do not know"**

- Learning and understanding what is happening in the real world we operate in

- The toolkit comprises a set of tools and techniques tailored to be relevant for the LIFE SMART Waste project.

- Analyse and understand issues especially in the area of market / industry behaviour

- Maximising the use of publically available information "open source intelligence"

- SWOT and PESTELO analysis

- Analysing key market barriers, incentives and trends.Examine how value is created or stifled in supply chains

- How to identify and define business problems where Competitive Intelligence could help

- How to select and apply the appropriate combination of tools from the toolkit

- LSW will publish clear communications material and training package for dissemination

- LSW will pilot CI in one specific challenging waste stream – still to be identified

- Feedback and review of how the tools meet the identified need

Competitive Intelligence life cycle


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Key Intelligence          →    Review our          →    Does our              Yes      Check                 →    Issue
Question                       current insight          insight answer  ───────→       Information                Intelligence
                                                        the question?                  Assurance                  Product

                                                              No ↓

                               Refresh insight          Gather raw data
                                                         and intelligence

                               Generate                 Apply CI tools &
                               structured               techniques
                               analysis
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Financial Risk Assessment toolkit – Gillian Fowler

- Financial risk assessment tool to assist regulators make decision when processing waste licences or permits

- Risk based approach looking at many aspects of the licence or permit application including the business model of the applicant

- Piloted by SEPA and NRW

- Distributed to 11 EU member states via Europol and IMPEL
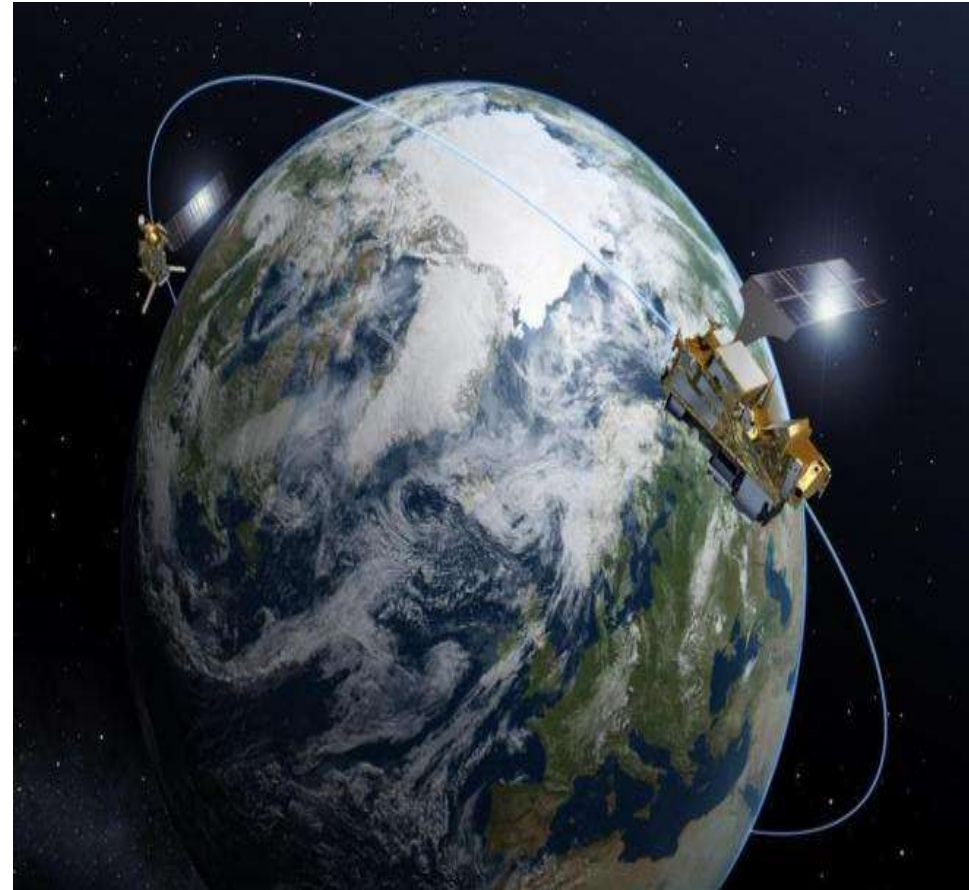
Horizon Scanning Toolkit

- EU Wide Scan – 2 workshops
- Continuous, Systematic and Participatory process
- 9 steps -Intelligence –Insight - Analysis
- Uses a risk matrix model to rank issues
- Identify links
- Make sense of how these changes are likely to impact or shape the market place or the behaviours of the key players
- Looks for the weak signals
- Near, Mid and Long term
- Learn from experience – China ban on imports - signals since 2013

Remote Sensing – Susan Stevens – Emmanuel Uduqbezi

- Working with external contractors and project partners

- Using satellite images and weighting of known enablers to produce a heat map of potential waste sites/deposits

- Currently trialling the work with challenging waste streams including tyres, plastics and baled waste

Life SMART Waste - Legacy

- Final Conference 2019 - results

- After Life Plan published

- Tools and Techniques used by regulators

- Assist in better informed decision making and regulation

- Environment is improved and protected

Contact us

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