



ESTONIAN
ENVIRONMENT
AGENCY

Waste data collection and monitoring in Estonia.

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Waste department



PREREQUISITES FOR WASTE DATA AVAILABILITY

1. Legislative basis (regulations on statistics or environmental reporting)
2. Competent authorities for waste data collection and processing (, environmental authorities, statistic authorities)
3. Clear definitions - waste, hazardous waste, municipal waste, recovery (incl. recycling, energy recovery, re-use), disposal
4. Adequate classification systems (waste categories, treatment operations, economic activities etc)
5. Harmonization with international (EU) tools (definitions, classifications)
6. Adequate data collection systems and procedures (questionnaires, reporting obligations)
7. Tools for data processing (databases, software etc)
8. Data reliability proofing
9. Proper processing and interpretation of data



LEGISLATIVE BASIS

Waste Act, 14 April 2004

Official Statistics Act, 10 June 2010

**Regulation (EC) No 2150/2002 of the
European Parliament and of the Council on
waste statistics**



LEGISLATIVE BASIS

**Estonian Waste Act is based on EU
waste legislation**

Waste Framework Directive

(Directive 2008/98/EC of the European
Parliament and of the Council of 19 November
2008 on waste and repealing certain Directives)



DEFINITIONS

Definitions of primary terms:

**waste, hazardous waste, recovery,
recycling, disposal** etc

are based on **WFD** → **Estonian Waste Act**



Waste Statistics Regulation (EC) No 2150/2002 Art. 2



CLASSIFICATION

- Waste categories, hazardous waste – LoW 2000/532/EC
- EWC-Stat – WStatR 2150/2002, Annex III
- Waste management operations (disposal and recovery D&R) – 2008/98/EC Annex I and II
- Economic activities of enterprises – NACE codes
- Territorial classification - Classification of administrative units of Estonia
- Classification of enterprises – direct link with Estonian business or enterprise register



LEGISLATIVE BASIS

WASTE ACT

§ 117. Reporting on waste

Persons holding a **waste permit** or an **integrated environmental permit**, persons **registered** pursuant to Waste Act ... shall provide the Environmental Board with reports concerning their activities related to waste at least once a year.

The format of the report, the scope of the data to be submitted and the procedure for submitting the reports shall be established by a regulation of the Minister of the Environment.



WASTE REPORTING

Principle of waste reporting and data collection:

Assumption that all waste flows are moving from waste generator to final handling through the waste management companies (having waste permits).

Data about waste generation are received with help of reports of these companies, registering individually all deliverings and receiving of wastes.



WASTE REPORTING

Waste reporting allows:

- to follow the waste flows from generation to final disposal or recovery
- to control the compliance of requirements established by permit with real practise of waste management
- to have data for reporting to European Commission (Eurostat, DGEnv, E-PRTR) and other international organizations
- to have data for waste planning on country and municipal level
- to inform public about waste issues, to compile statistics and to aswer on requests for information about WM.



LEGISLATIVE BASIS

Close connection of reporting with environmental permits

WASTE ACT

- waste permits**
- hazardous waste handling licences**
- registration certificates (Art 25 – 27 of WFD)**

INDUSTRIAL EMISSIONS ACT

- integrated environmental permits**

Information System of the Environmental Permits (**KLIS**)



LEGISLATIVE BASIS

Regulation of the Minister of the Environment,
15.01.2010. No 1,

**“On the format, the scope of the data and
the procedure for submission of the waste
report”**

Reporting format: title list, 4 tables, E-PRTR reporting table

Waste Data Information System (JATS) →

→ Environmental Register



Waste report form

Annex

Regulation No 1

of the Minister of Environment

15.01.2010

WASTE REPORT

2011 year

Rapporteur

Name
Address
Phone
E- mail
Register code
Territory code (EHAK)
Main activity
Main activity code (EMTAK)

Receiver of the report

Environmental Board	
Address	
Phone	
E- mail	

Presented by

Rapporteur for 31st of January to the
Environmental Board



Waste report form

Site

Envir. Register code
Name
Address
Territory code (EHAK)
Activity
Activity code (EMTAK)
WM responsible person
Phone
E-mail

	Registration number	Validity
Waste permit		
Hazardous waste licence		
Registration certificate		

Performer of the waste report	
Name	
Position	
Phone	
E-mail	

Waste report is affirmed: _____ 200 y
Authorised representative of the rapporteur

Name, position
Signature

Agreed with the waste report _____ 200 y
Authorised representative of the Envir. Board

Name, position
Signature



COMPETENT AUTHORITIES FOR WASTE DATA COLLECTION AND PROCESSING

Ministry of the Environment (legislation)

Environmental Board (data collection,
reliability proofing)

Estonian Environment agency (data
processing, databases)

[Environmental Inspection (supervision, control)]



WASTE DATA MANAGEMENT SYSTEM

Reporting

- through Internet
- using reporting formats in Excel files
- (on paper)

Database with individual and confidential data is closed for public. Aggregated data and overviews are open. The system allows for everybody quickly to compile answers on waste related questions or inquiries.



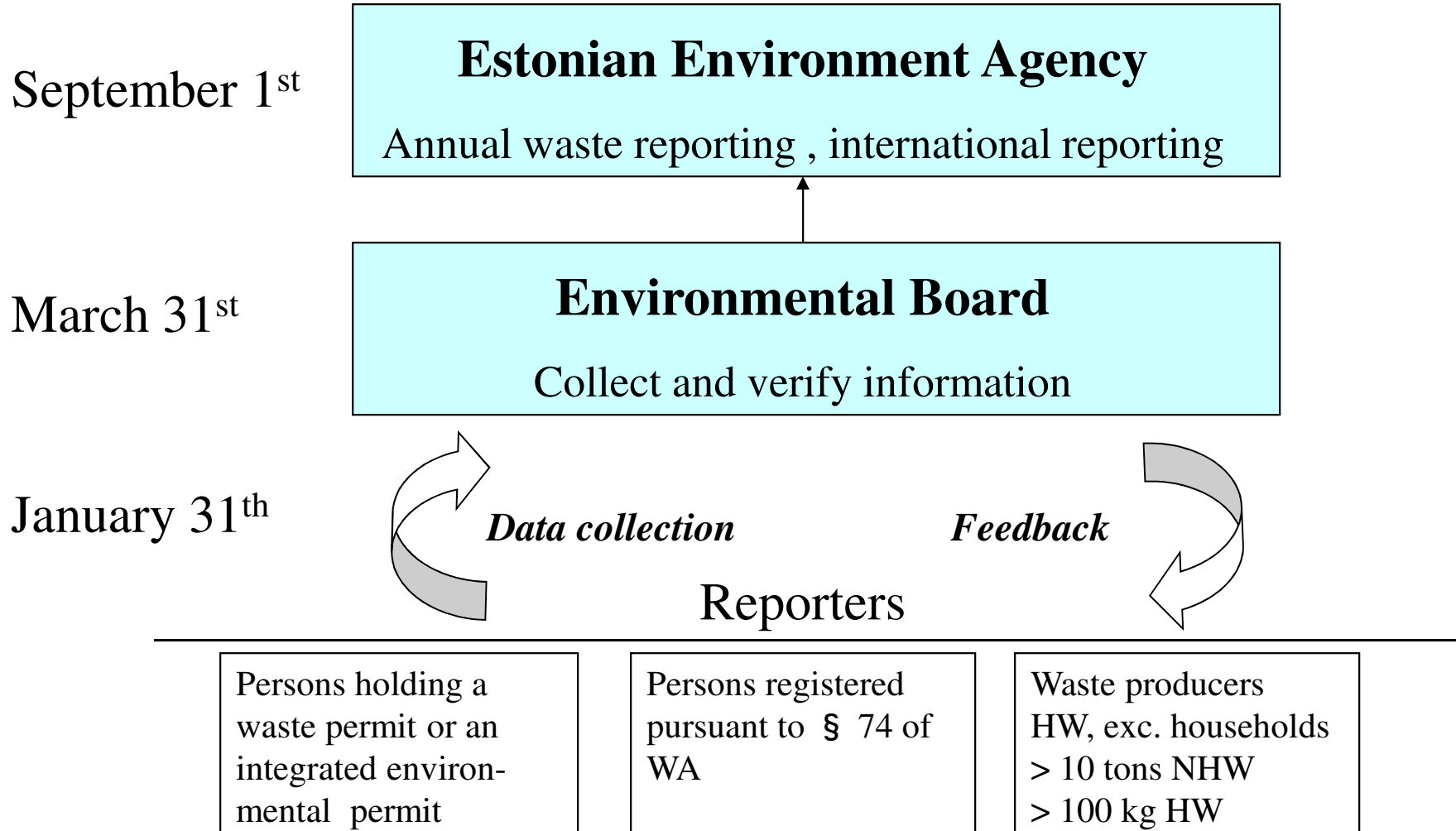
DATA Reliability Proofing

- Environmental Board (regional offices)
- EEIC (Congruence of data between counties and regions)
- (Estonian Statistics Board)



Environmental
information

The overall waste data flow



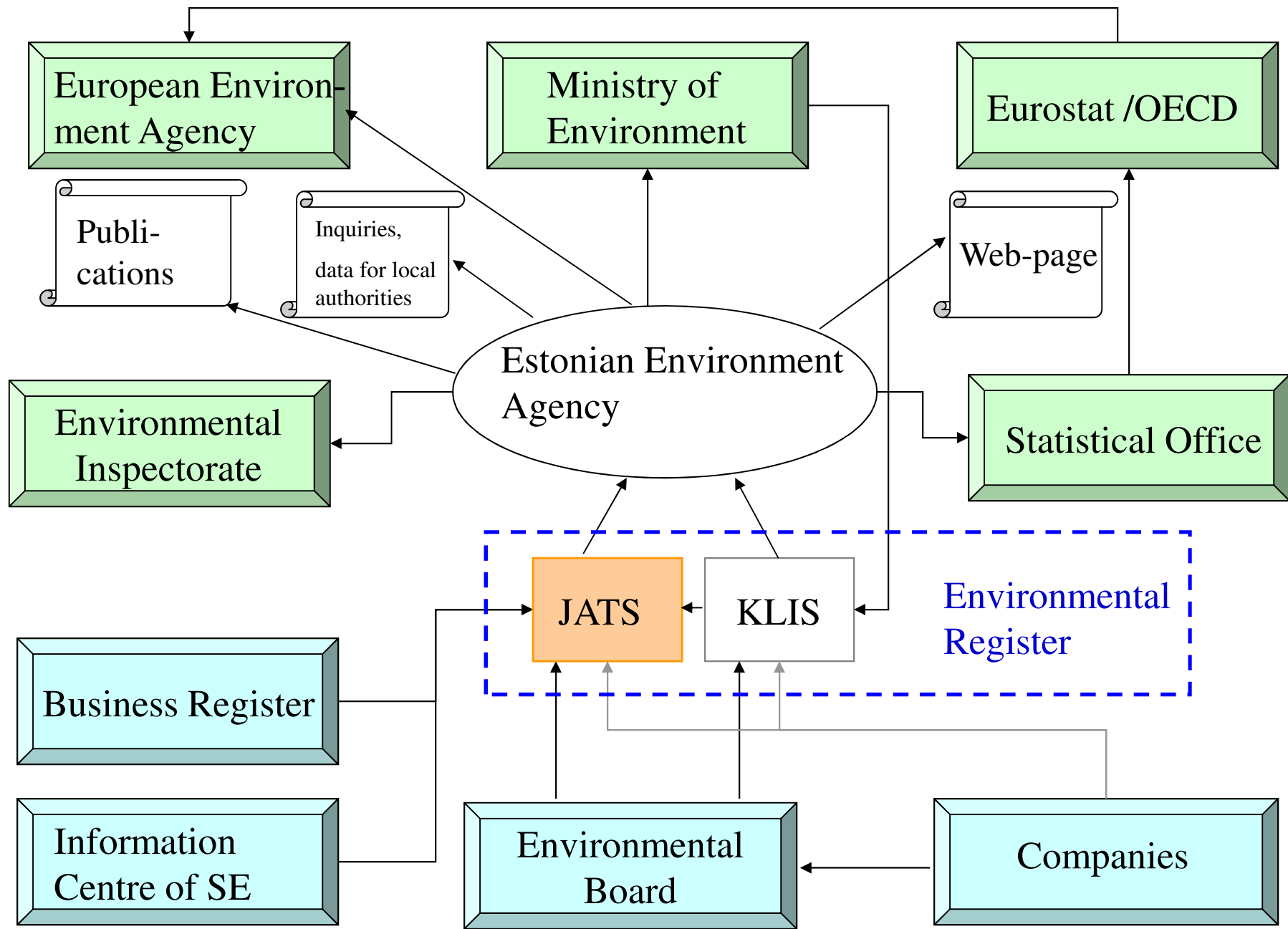


Environmental
information

Department of waste data

8 employees





The overall waste data flow