MUNICIPAL WASTE MANAGEMENT
Republic of Croatia

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Croatian Environment Agency
• Waste Management Strategy (2005)

• Waste Management Plan (2007)

• Waste Act

• 2 Regulations and 19 Ordinances

-Croatia –expected to enter EU in 2013
  – transposition of EU legislation/waste – completed

MUNICIPAL WASTE 2010

1 629 915 t

367 kg / inhabitant / year (1 kg/day)

Coverage by organized collection:
96% population

~ 210 collection companies
(report annual data)
86% - mixed municipal waste
(EWC 20 03 01)

14% - other municipal waste types separately collected
Not all for recovery

- Bins on public areas (paper, glass,..),
- Collection points (different waste types)

- Collection schemes for special waste categories (since 2006)
  - packaging waste, waste tyres, oils, batteries and accumulators, end-of-life vehicles, electronic equipment
BIODEGRADABLE WASTE from municipal waste
Almost all quantities landfilled

Landfill Directive -end 2020 - to 35% of the total amount produced in 1997

WASTE FROM TOURISM ~60 000 t
-no special monitoring of this waste stream
-plastics (43%), paper (25%), cardboard, glass, biowaste…
Mixed municipal waste- landfilled without treatment

2005: 300 „official” landfills

2011: 146 active landfills
(operators report annual data)

(Landfill directive) – transitional period (2018)

-Existing landfills -closure, remediation
-Construction of **Waste management centres** (WMC)
  11 WMC (mechanical biological treatment) + 1 WtE plant in Zagreb

3 centres – in realisation phase
Data collection / Reporting
1. WASTE DATA COLLECTION – CROATIAN ENVIRONMENT AGENCY

- Regulated in Waste Act and subordinate legislation
- data directed mostly to Croatian Environment Agency

CEA Databases:
- **Waste Management Permits Register** (on-line database)
- **Environment Pollution Register (ROO)** (on-line data registration)
  - Landfill Inventory
  - Waste Management Plans Database
  - Transboundary movement database
  - Databases on special waste streams ….

Dissemination of information:
Annual reports, Indicators (National list of indicators), website [www.azo.hr](http://www.azo.hr)
Ordinance on Environment Pollution Register (ROO) – annual data

-waste generators (>50 kg hazardous, 2000 kg non-hazardous waste)
-waste collectors
-waste treatment facilities

For municipal waste – data for each municipality:
-waste quantities by waste code (LoW), waste from households, primary selection, R/D operation, operator

-validation – county offices/inspection/CEA

-web-based application developed for data entry
2. WASTE DATA COLLECTION – CROATIAN BUREAU OF STATISTICS

- Law on Statistics - biannual statistical survey on waste flows
- Data on Waste Statistics Regulation sent to Data Centre on Waste

2012 – Agreement in preparation
Croatian Environment Agency (CEA) – Croatian Bureau of Statistics

CEA – to report according to Waste Statistics Regulation in future
**Future reporting obligations:**

**Croatian Environment Agency:**
- Reporting on implementation of Regulations and Directives in the field of waste, including data provision and reporting via eDAMIS

**Important:**
- Strengthen capacities
- Improve data quality

**Continue cooperation with EEA and Topic Centre for SCP**

**Strengthen cooperation with Eurostat / Data Centre on Waste**
- participation on workshop/seminars
- projects
Thank you

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