

DCP 14 – Waste Statistics

1. Background information

Demand for statistics on waste generation and treatment has grown and developed considerably in recent years. Regular statistics on the production and management of waste from businesses and private households are collected from Member States to monitor the implementation of European Union waste policy, which is based on the principles of waste prevention, maximisation of recovery and safe disposal.

Waste represents a considerable loss of resources in the form of both materials and energy. Sustainability and resource efficiency are key concepts of the "Europe 2020" strategy. Waste related data have already formed part both of the Structural Indicators monitoring the Lisbon Strategy, and of the indicators monitoring the EU Sustainable Development Strategy.

Waste management in Croatia is considered to be one of the priority issues affecting all the components of the environment. The main act regulating waste management issues in the Republic of Croatia is the *Waste Act (Official Gazette No. 178/04, 111/06, 60/08, 87/09)*. More detailed provisions can be found in a number of ordinances on specific waste streams or waste management issues, adopted on the basis of the Waste Act. The *Waste Management Strategy of the Republic of Croatia (Official Gazette No. 130/05)* and the *Waste Management Plan of the Republic of Croatia for 2007-2015 (Official Gazette No. 85/07, 126/10, 31/11)* as its implementation document have set up a concept that focuses on waste avoidance, increase in waste recovery, reduction in quantity of material for final disposal and consequently lowering risks for the environment, climate and human health.

Many improvements in waste sector in Croatia have been registered during last couple of years, such as setting up of a strategic/planning and legislative framework, capacity building of relevant authorities, improvements of infrastructure for waste management, development of the information system, etc.

Croatian legislation in the area of waste management has been almost fully harmonized with the Acquis. The *Waste Framework Directive 2008/98/EC* is still to be included in the new Waste Act which is under preparation. Croatian legislation in waste field is listed in **Annex 1**.

In order to provide necessary information in the waste sector, the *Waste Act* by its *Article 19* stipulates establishment of the *Waste Management Information System* (as part of Environmental Information System¹) and defines data which form the content of this information system. The Croatian Environment Agency (CEA) is responsible for maintaining the Waste Management Information System.

The CEA is collecting and processing waste data, such as: data reported to Environmental Pollution Register; data on waste management plans; data on waste management permits and certificates; data for landfill register; data on transboundary movement of waste, data on specific waste categories etc.

Management on six specific waste categories (packaging waste, waste oils, end-of-life-vehicles, batteries, electrical and electronic waste, waste tyres) are regulated by separate ordinances. Data collection for these waste categories is mostly done by Environmental Protection and Energy Efficiency Fund, which reports data to CEA on annual basis.

By the *Ordinance on the Environmental Pollution Register (OG No. 35/08)*, adopted according to

¹ Development of Environmental Information System is one of main responsibilities of the Croatian Environment Agency, set by the Environment Protection Act, OG 110/07.

Environment protection Act, the CEA is collecting data on waste produced, collected, recovered or disposed, for each waste code (based on European LoW- List of Waste). Waste data are reported electronically via web based application, on annual basis. Data are being verified first by county offices, and then by the CEA. Depending on waste type, NACE code, county, the quality of the data may vary considerably. Level of expertise necessary for data validation as well as for further dissemination varies significantly from one county office to another. CEA is cooperating with competent offices in counties and with companies collecting municipal waste in order to improve data quality, but in this area, further improvements are necessary. CEA produces annual report, based on data reported in Environmental Pollution Register

Following stipulations of the Environment Protection Act (OG 110/07) the CEA developed draft document of National list of indicators (NLI), based on the process of indicator development in European Environment Agency (EEA). According to the Environment Protection Act the list will be revised every two years. Waste indicators are also part of the NLI.

On the basis of the data available in waste management information system, CEA is preparing reports for national and international purposes, such as Annual Report for the Secretariat of the Basel Convention², and other annual reports on relevant subjects (transboundary movement of waste, municipal waste management, management of waste oils, etc.).

By the *Environmental Protection Act (OG No 110/07)* the Croatian Environment Agency (CEA) is appointed as central information authority of the Republic of Croatia for coordinating reporting and reporting to the European Commission on the implementation of specific environmental protection regulations, including waste.

The data and information on waste are disseminated primarily by the CEA website. The CEA website offers on-line databases (on landfills, waste management permits), and also the possibility to electronically report annual data on waste produced, collected or treated. On it's website, CEA publishes annual reports and guidelines as well..

There are several institutions in Croatia which collect data on waste and which represent data sources for the CEA, but at the same time also being main users of the information system. These institutions are: Ministry of Environment and Nature Protection, Environmental Protection and Energy Efficiency Fund, county offices responsible for environment protection issues and Croatian Bureau of Statistics (CBS).

The Ministry of Environment and Nature Protection, among other, prepares waste management planning documents and legislation, as well as collects data on transboundary movement of waste. The Environment Protection and Energy Efficiency Fund is responsible for organizing and monitoring remediation of official landfills as well as organizing systems for management of six special waste categories, including data collection.

The Croatian Bureau of Statistics (CBS) is responsible for environmental statistics. On the basis of bi-annual statistical investigations, CBS is transmitting data to Eurostat under the obligation of Regulation (EC) No 2150/2002 on waste statistics (Waste Statistics Regulation - WSR). From 2012, the institution responsible for data collection, processing and reporting to Eurostat / Data Centre on Waste will be the Croatian Environment Agency. Data reported according to WSR will be based on data collected according to Waste Act and *Ordinance on the Environmental Pollution Register*. For that purpose, the structure of data needs to be modified and harmonized, in order to fit the needs of WSR. That includes further development and maintaining of existing data base.

The new structure of data will be used to produce national reports on waste, such as annual report on municipal waste management. Croatian Bureau of Statistics will publish these data in the Statistical Yearbook.

² Republic of Croatia is a Party to the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal, OG IC 3/94

Upon the accession to EU, there will be a need to fulfil a large number of reporting obligations requested by EU directives, regulations and other legislative acts regulating waste management issues. Reports are to be sent to Eurostat, European Environment Agency or to the European Commission. By the agreement from 2005 on the technical arrangement on division of responsibilities in environmental reporting and disseminating information, Eurostat is the leading organization for the Environmental Data Centre on Waste which should be the central entry point for reporting of data under Community legislation on waste. For that purpose electronic reporting tools were developed, such as eDAMIS³ portal, and relevant background information in order to ensure adequate input from member states.

Croatia has already obtained the status of co-operating country in the European Environment Agency (EEA) and provides reports in accordance with the requirements of the European Environment Information and Observation Network (EIONET). The CEA so far participated in preparation of Country Fact Sheet on Waste Policy, Core Set of Indicators, State of Environment Report (State and Outlook 2010) - Part C. CEA prepares and uploads Yearly Report to the Basel Convention.

This project will contribute to strengthening administrative capacities in the waste statistics area, better understanding of EU legislation by all involved institutions and representatives through participation at seminars and workshops, implementation and further improvements of legislation covering waste issues, further development of the information system to be used on national basis, as well as to fulfilling the future reporting obligations related to WSR and to provide statistics on municipal waste generation and management to be used for the production on Sustainable Development Indicator.

Possible gaps and non-compliance with EU formats will be identified and recommendations proposed. Better quality of data and reports will be provided.

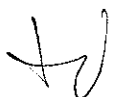

The project will contribute to capacity building and moreover, it will strengthen waste information dissemination provided by CEA, which will contribute to better and faster provision of information needed by general public, competent authorities and other interested parties.

Institutional Framework

Croatian Environment Agency (CEA) is public institution established by the Croatian Government in June 2002. Its main responsibilities and activities (as defined in the Law on Environment, OG 110/07) are:

- environmental information system development;
- collecting and integrating environmental data and/or environmental information;
- managing relevant environmental databases;
- monitoring and reporting on the state of environment;
- production of the National State of Environment Report;
- production of the National List of Indicators;
- collaboration with administrative bodies (state, regional, local), public, national and international institutions (particularly the EEA) and organisations concerning environmental issues;
- enforcement / assistance in enforcement of international treaties and agreements concerning environmental issues, particularly regarding accepted reporting obligations;
- collaboration in environmental projects and programmes within the framework of international agreements (by the appointment of the Ministry of Environment and Nature Protection); providing conditions for easy access to environmental information.

³ eDAMIS (electronic Data files Administration and Management Information System) is the integrated Web Portal installed at the European Commission and used for managing the data set inventory, managing the user rights related to the transmissions, sending statistical data files to Eurostat and monitoring the traffic through its Management Information System.



At the moment CEA has 52 employees in permanent position and intends to increase number of employees due to the high number and complexity of duties that performs now and duties that follow (such as reporting to the Commission on environment legislation implementation).

Agency performs its work through four sectors of which Environment Monitoring Sector is sector responsible for collection of data related to environment monitoring and writing of reports. Supervision of reports is carried out by the Environment Documents Department which is part of the Development, Projects and International Cooperation Sector. The Environment Monitoring Sector consists of Environmental Components Monitoring Department, Waste Department, Sector Impact Monitoring Department and several units that represent lower organizational parts.

Mostly the employees of the Waste Department (6 employees) will be included in execution of project activities, as well as employees of the IT Department, Department for Environmental Pollution Register and Development, Projects and International Cooperation Sector

By the Environmental Protection Act (OG No 110/07) the CEA is appointed as central information authority of the Republic of Croatia for coordinating reporting and reporting to the European Commission on the implementation of specific environmental protection regulations, including waste.

Croatia already has status of co-operating country in the European Environment Agency (EEA) and reports in accordance with the requirements of the European Environment Information and Observation Network (EIONET)⁴. Reporting from Croatia to the EEA is co-ordinated by the National Focal Point (NFP) and National reference contact (NRC) for waste located in Croatian Environment Agency, being a part of the European Environment Agency's EIONET. The Agency also co-operates with similar national institutions throughout Europe.

Other institutions which are involved in activities of data collection and reporting are:

The Ministry of Environment and Nature Protection is a central body responsible for preparation of waste management legislation, national waste management plan, as well as coordination of co-operation among all institutions involved in waste management in Croatia.

The control over the implementation of the legal regulations and prevention of uncontrolled environmental pollution, including Waste Act and by-laws, is conducted by the Environmental Protection Inspection at the Ministry of Environment and Nature Protection.

Regional self-government units ensure conditions and implementation of measures for managing specific waste streams, issue permits for municipal and non-hazardous waste management, and have responsibilities related to data collection and data quality control.

Municipalities and cities implement measures of municipal waste management, and with coordination from the county, ensure the implementation of prescribed measures for separate waste collection.

The Environmental Protection and Energy Efficiency Fund (EPEEF) provides co-financing of programs and projects in the field of environment protection, and especially in waste field. EPEEF also operates systems for management, including data management, of certain special waste categories (packaging and packaging waste, end-of-life vehicles, waste batteries and accumulators, waste oils, electrical and electronic waste, waste tyres).

The Croatian Bureau of Statistics (CBS) is a state administrative organisation, central authority, principal producer, disseminator and coordinator of the official statistics system of the Republic of Croatia. The CBS ensures that the international obligations of the Republic of Croatia regarding the exchange of statistical data with other countries and international organisations are fulfilled.

⁴ The EIONET is a collaborative network of the EEA and its Member States which provides information for responsible decision-making on environment in Europe and implementation of efficient environmental policies.

OBJECTIVES

The main objectives of this project are:

- Establishing reliable statistics on waste generation and treatment compliant to the requirements of the Regulation 2150/2002/EC on waste statistics (WSR) and Commission Regulation 849/2010, by economic activities according to NACE Rev.2 and for the waste categories laid out in the statistical waste classification EWC-STAT.
- Producing reliable annual statistics on municipal waste generation and management for the calculation of the Sustainable Development Indicator, to be used at European and international level.
- Reporting under the WSR (every even year) and in the annual reporting on municipal waste as established within the European Statistical System.

This project is aiming at improving significantly the national system for the production of waste statistics, as well as regularly and timely provision of harmonised data of the beneficiary country to Eurostat.

2. Description of the work

2.1. Methodology

The CEA will adapt and upgrade Croatian Environmental Pollution Register to fit the needs of WSR. This adjustment will be done by development of database module for implementation of the Table of Equivalence (module for data processing - conversion of LoW waste codes to WSR waste categories) and Table for transposition Counties - NUTS regions. Activities will include data structure modification and data harmonization into central database.

Customising Environmental Pollution Register to fit the needs of WSR will also include preparation of queries and reports on each data set (1. Waste generation by waste category (EWC-STAT) and economic activities (NACE), tonnes/year, 2. Waste treatment by waste category (EWC-STAT) and treatment category, tonnes/year, 3. Number and capacity of recovery and disposal operations (per NUTS 2 region) and population served by collection scheme (national)). Application for reporting and queries shall be the new module (functionality) in existing application. Data services for data exchange will be prepared.

The Environmental Pollution Register database will be linked to other CEA databases (e.g. Register of Waste Management Permits) and GIS module for data presentation and analysis will be developed. This upgrading of Environmental Pollution Register database will ensure achieving better data quality and data dissemination.

The CEA will analyse compliance of the national waste legislation with requests of the WSR and annual reporting on municipal waste (Waste Act and subordinate legislation, legislation covering waste types not covered by Waste Act).

Completeness of data already available in the Waste information system and the level of compliance (format, scope) with requests posed by WSR will be analysed and evaluated.

Gaps in data collection and discrepancies in data will be identified. For example, missing data and low quality data sets (analysis to be done by economic activity (NACE), by waste category (LoW), by disposal/recovery operation)) will be identified.

The CEA will prepare report summarising the results of data collection gaps identification and data discrepancies identification. This report will describe the reasons of gaps and discrepancies and give

recommendations on improvement of existing data flow and strengthening data quality in order to achieve alignment with the WSR. This report will be prepared in Croatian.

Manual for reporting on the WSR will also be prepared. Manual will contain descriptions for each data set and for Quality report and will be prepared in Croatian.

Guidance for competent bodies (county offices) on data quality control and assurance will be prepared and printed in Croatian language.

Guidance on estimations and calculations performed for specific waste, such as waste from Section A (Agriculture, forestry), Section B (Mining and quarrying), Section F (Construction), waste streams excluded from the scope of the Waste Framework Directive but included in the scope of the WSR (e.g. animal carcasses and animal by-products; waste resulting from the prospecting, extraction, treatment and storage of mineral resources and the working of quarries) will be prepared. Guidance will be prepared in Croatian.

Fact sheet for the preparation of report/indicator on municipal waste management, in Croatian, will be prepared.

Expert will be engaged for the "on-the-job" training of the CEA staff (2 workshops, 3-4 days for 3-5 participants). Training will be on the methodology used for preparation of the WSR report on each of three data sets (Waste generation, Waste treatment, Number and capacity of R/D operations and population served by collection scheme). Data already available in CEA will be used for that purpose. Training will also cover concepts and definitions used and some special topics, e.g. use of estimations and calculations for specific waste, such as waste from Section A (Agriculture, forestry), Section B (Mining and quarrying), Section F (Construction), waste excluded from the scope of the Waste Framework Directive like animal carcasses and animal by-products. Special attention will be given to usual problems identified during the implementation, e.g. double counting of data, reporting on sewage sludge, problematic R/D operations, internal recycling, need for data estimation in case of missing data and other most common problems.

Expert will be engaged for the "on-the-job" training of the CEA staff on the methodology used for preparation of municipal waste management data /Sustainable development indicator and on the reporting procedures via eDAMIS by using web portal and SDMX Converter. Training will be in the form of workshop (1 workshop, 2 days, for 3-5 participants).

Expert will be engaged for the "on-the-job" training of the CEA staff on the preparation of Quality Report - practical exercise using data available in CEA. Training will be in the form of workshop (1 workshop, 3 days for 3-5 participants).

Participation of the CEA staff on workshops organized in other Project countries and Eurostat (eight 3-day workshops, 1 CEA participant) will be organized. As a base for the organisation the Multi-Country list (MC-list) defined by Eurostat will be used.

Workshops for county offices (two 1-day workshops, 20 participants on each workshop) will be organised. The topics of workshops will be related to data quality control and validation, issues related to waste information system, estimations for certain waste categories and manuals prepared by CEA.

Quality Report accompanying WSR report for 2011. and 2012 will be prepared. The data available for the latest 2 years will be a base for the report and it will describe standard quality indicators and validation methods used. It will also quantify, group and explain discovered errors, point out major quality problems and suggest solutions.

Waste data for 2011. and 2012. will be collected, validated and processed. The CEA will prepare Report on WSR for 2011. and 2012. as well as municipal waste data for the calculation of the Sustainable Development Indicator, which will be transmitted via eDAMIS.

Annual national publication on municipal waste generation and management will be prepared and printed in Croatian language.

Data for the purpose of publishing in annual Statistical Yearbook of the Croatian Bureau of Statistics will be prepared.

Reports, Manuals, Guideline and selected data will be published on CEA website.

2.2. Actions planned

1. Improving national system for the production of waste statistics by adapting and upgrading the Croatian Environmental Pollution Register to fit the needs of WSR - development of new database module, preparation of reports and queries, preparation of data services for data exchange and link to other CEA databases.
2. Analysing parts of the national waste legislation for compliance with requests of the WSR and annual reporting on municipal waste and analysing and evaluating the level of compliance and completeness of data already available in the Waste information system with request posed by WSR (dentification of gaps in data collection, discrepancies in data). Preparing analyses report in Croatian with recommendations on improvement of data flow and data quality in order to achieve alignment with the WSR.
3. Preparing, in Croatian, Manual for reporting on the WSR, Guidance on data quality control and assurance, Guidance on estimations and calculations performed for specific waste and waste streams and Fact sheet for the preparation of report/indicator on municipal waste management
4. Engagement of expert for the "on-the-job" training of the CEA staff on the methodology used for preparation of the WSR report, preparation of municipal waste management data, preparation of Quality Reports, including the reporting procedures via eDAMIS.
5. Organising participation of the CEA staff on workshops organized in other Project countries and Eurostat on the basis of the Multi - Country list (MC - list) by Eurostat.
6. Organising workshops for county offices on the topic related to data quality control and validation, issues related to waste information system, estimations for certain waste categories and manuals prepared by CEA
7. Preparing the Quality Report accompanying WSR report for 2011. and 2012.
8. Collecting, validating and processing of waste data for 2011 and 2012, preparing the report on WSR and transmission via eDAMIS
9. Collecting and preparing the municipal waste data for the calculation of the Sustainable Development indicator for 2011 and 2012 and transmission via eDAMIS
10. Preparing and printing annual national publication on municipal waste generation and management, in Croatian
11. Preparing data for the purpose of publishing in annual Statistical Yearbook of the Croatian Bureau of Statistics
12. Publishing the Reports, Manuals, Guidelines and selected data on CEA website

2.3. Expected Results

1. A national system for the production of waste statistics is significantly improved.
2. The data collection, processing and dissemination systems are strengthened and follow the best practices as applied by EU Member States.



3. Skills and professional knowledge of the staff in competent national authorities is improved, by “on-the-job” trainings with external expert.
4. The experts from the beneficiary are more familiar with EU concepts, definitions and challenges of European and international waste statistics.
5. Data quality assessed and described in the quality reports.
6. Increased data quality and regular and timely provision of harmonised data of the beneficiary country to Eurostat and loading into Eurobase



2.4. Implementation timetable

Activity	2012 Semester 2						2013 Semester 1					
	9	10	11	12	1	2	3	4	5	6		
1. Improving national system for the production of waste statistics by adapting and upgrading the Croatian Environmental Pollution Register to fit the needs of WSR - development of new database module, preparation of reports and queries, preparation of data services for data exchange and link to other CEA databases.												
2. Analysing parts of the national waste legislation for compliance with requests of the WSR and annual reporting on municipal waste and analysing and evaluating the level of compliance and completeness of data already available in the Waste information system with request posed by WSR (identification of gaps in data collection, discrepancies in data). Preparing analyses report in Croatian with recommendations on improvement of data flow and data quality in order to achieve alignment with the WSR.												
3. Preparing, in Croatian, Manual for reporting on the WSR, Guidance on data quality control and assurance, Guidance on estimations and calculations performed for specific waste and waste streams and Fact sheet for the preparation of report/indicator on municipal waste management												
4. Engagement of expert for the "on-the-job" training of the CEA staff on the methodology used for preparation of the WSR report, preparation of municipal waste management data, preparation of Quality Reports, including the reporting procedures via eDAMIS.												
5. Organising participation of the CEA staff on workshops organized in other Project countries and Eurostat on the basis of the Multi - Country list (MC - list) by Eurostat.												
6. Organising workshops for county offices on the topic related to data quality control and validation, issues related to waste information system, estimations for certain waste categories and manuals prepared by CEA												
7. Preparing the Quality Report accompanying WSR report for 2011. and 2012.												
8. Collecting, validating and processing of waste data for 2011 and 2012, preparing the report on WSR and transmission via eDAMIS												
9. Collecting and preparing the municipal waste data for the calculation of the Sustainable Development indicator for 2011 and 2012 and transmission via eDAMIS												
10. Preparing and printing annual national publication on municipal waste generation and management, in Croatian												
11. Preparing data for the purpose of publishing in annual Statistical Yearbook of the Croatian Bureau of Statistics												
12. Publishing the Reports, Manuals, Guidelines and selected data on CEA website												
REPORTING												

• Deliverables

Activity	2013 Semester 2						2014 Semester 1					
	7	8	9	10	11	12	1	2	3	4	5	6
1. Improving national system for the production of waste statistics by adapting and upgrading the Croatian Environmental Pollution Register to fit the needs of WSR - development of new database module, preparation of reports and queries, preparation of data services for data exchange and link to other CEA databases.												
2. Analysing parts of the national waste legislation for compliance with requests of the WSR and annual reporting on municipal waste and analysing and evaluating the level of compliance and completeness of data already available in the Waste information system with request posed by WSR (identification of gaps in data collection, discrepancies in data). Preparing analyses report in Croatian with recommendations on improvement of data flow and data quality in order to achieve alignment with the WSR.												
3. Preparing, in Croatian, Manual for reporting on the WSR, Guidance on data quality control and assurance, Guidance on estimations and calculations performed for specific waste and waste streams and Fact sheet for the preparation of report/indicator on municipal waste management												
4. Engagement of expert for the "on-the-job" training of the CEA staff on the methodology used for preparation of the WSR report, preparation of municipal waste management data, preparation of Quality Reports, including the reporting procedures via eDAMIS.												
5. Organising participation of the CEA staff on workshops organized in other Project countries and Eurostat on the basis of the Multi - Country list (MC - list) by Eurostat.												
6. Organising workshops for county offices on the topic related to data quality control and validation, issues related to waste information system, estimations for certain waste categories and manuals prepared by CEA												
7. Preparing the Quality Report accompanying WSR report for 2011. and 2012.												
8. Collecting, validating and processing of waste data for 2011 and 2012., preparing the report on WSR and transmission via eDAMIS												
9. Collecting and preparing the municipal waste data for the calculation of the Sustainable Development indicator for 2011 and 2012 and transmission via eDAMIS												
10. Preparing and printing annual national publication on municipal waste generation and management, in Croatian												
11. Preparing data for the purpose of publishing in annual Statistical Yearbook of the Croatian Bureau of Statistics												
12. Publishing the Reports, Manuals, Guidelines and selected data on CEA website												
REPORTING												

● Deliverables

Notice: the implementation period must include the final reporting (preparation and delivery)

3. Role of NSI and of Eurostat

Eurostat will provide relevant support, guidance and advice. Croatian Environment Agency (CEA) is competent National Authority. CEA is designated partner of CBS in the field of waste statistics. CEA, as a sole provider of data on waste, will act as a Partner in this project.

4. Deliverables and Results

4.1. Required Deliverables (including reporting)

- Environmental Pollution Register upgraded and adapted to fit the needs of WSR – data module produced, predefined queries and reports prepared, data services for data exchange prepared, links to other CEA databases implemented
- Parts of the national waste legislation analysed, the level of compliance and completeness of data analysed and evaluated, gaps in data collection and discrepancies in data identified and report summarising the results and with recommendations on improvement of existing data flow and strengthening data quality in order to achieve alignment with the WSR prepared, in Croatian
- Manual for reporting on the WSR, Guidance on data quality control and assurance, Guidance on estimations and calculations performed for specific waste and waste streams and Fact sheet for the preparation of report/indicator on municipal waste management prepared, in Croatian
- On-the-job trainings and workshops conducted
- Quality Report accompanying WSR report for 2011 and 2012 prepared
- Report on WSR prepared and transmitted via eDAMIS
- Municipal waste data for the calculation of the Sustainable Development indicator for 2011. i 2012. prepared and transmitted via eDAMIS
- Annual national publication on municipal waste generation and management prepared and printed, in Croatian
- Selected data published in Statistical Yearbook
- Reports, Manuals, Guidelines and selected data published on CEA website
- Country assessment report, which will reveal the latest developments and achievements, highlight the remaining problems and give proposals for future actions, prepared
- An interim project report (by 30 June 2013).
- A final project report (by 30 March 2014)

NOTE: The Country Assessment Report, Interim Report and Final Report must be endorsed and countersigned by the beneficiary, who may make additional comments. Reports shall be submitted in a form of 4 hard copies and an electronic version. These reports should be written in English.



ANNEX 1. Legislation in the waste field

- **Waste Management Strategy of the Republic of Croatia**
(OG No. 130/05)
- **Waste Management Plan of the Republic of Croatia for 2007-2015**
(OG No. 85/07, 126/10, 31/11)
- **Waste Act**
(OG No. 178/04, 111/06, 60/08, 87/09)
- **Regulation on categories, types and classification of waste with a waste catalogue and list of hazardous waste**
(OG No. 50/05, 39/09)
- **Ordinance on packaging and packaging waste**
(OG No. 97/05, 115/05, 81/08, 31/09, 156/09, 38/10, 10/11, 81/11, 126/11)
- **Decision on requirements regarding packaging labelling**
(OG No. 155/05, 24/06, 28/06)
- **Ordinance on waste tyre management**
(OG No. 40/06, 31/09, 156/09, 111/11)
- **Ordinance on the register of legal and natural persons dealing with intermediation activity in organising waste recovery and/or disposal, and of legal and natural persons dealing with the activity of non-hazardous waste export**
(OG No. 51/06)
- **Regulation on the criteria, procedure and manner of determining compensation to real estate owners and local self-government units**
(OG No. 59/06)
- **Decision on the allowed quantity of waste tyres to be used for energy purposes in 2006**
(OG No. 64/06)
- **Regulation on supervision of transboundary movement of waste**
(OG No. 69/06, 17/07, 39/09)
- **Ordinance on waste oil management**
(OG No. 124/06, 121/08, 31/09, 156/09, 91/11)
- **Ordinance on waste batteries and accumulators management**
(OG No. 133/06, 31/09, 156/09)
- **Ordinance on the management of end-of-life vehicles**
(OG No. 136/06, 31/09, 156/09)
- **Ordinance on waste management**
(OG No. 23/07, 111/07)
- **Decision on the allowed quantity of waste tyres to be used for energy purposes in 2007**
(OG No. 36/07)
- **Ordinance on the method and procedures for managing waste containing asbestos**
(OG No. 42/07)
- **Ordinance on methods and requirements for thermal treatment of waste**
(OG No. 45/07)
- **Ordinance on medical waste management**
(OG No. 72/07)
- **Ordinance on the management of waste electrical and electronic appliances and equipment**
(OG No. 74/07, 133/08, 31/09, 156/09)
- **Decision on National target of share of returnable packaging in 2008**
(OG No. 82/07)
- **Ordinance on the methods and conditions for the landfill of waste, categories and operational requirements for waste landfills**
(OG No. 117/07, 111/11)



- **Ordinance on construction waste management**
(OG No. 38/08)
- **Ordinance on management of wastewater treatment sludge when used in agriculture**
(OG No. 38/08)
- **Ordinance on management of waste from the titanium dioxide industry**
(OG No. 70/08)
- **Instruction on handling waste containing azbestos**
(OG No. 89/08)
- **Ordinance on the management of polychlorinated biphenils and polychlorinated terphenils**
(OG No. 105/08)
- **Ordinance on managing waste from research and mining of mineral raw materials**
(OG No. 128/08)
- **Instruction on the method of calculating the municipal waste management charge**
(OG No. 129/11, 137/11)

