



An EU funded project

# Workplan for the development of the Special waste stream plan for POPs/PCB waste SWSP

**1<sup>st</sup> Workshop**

**18<sup>th</sup> of November 2015**

Refer back to the 1st workshop IHWMP  
– 22. October 2015



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# Workplan for the development of the Integrated hazardous waste management plan IHWMP

**1<sup>st</sup> Workshop IHWMP**

**22<sup>th</sup> of October 2015**

# Background of the integrated hazardous waste management plan IHWMP

- **Law on Waste Management: Specific waste stream management**
- **Article 11: Provisions for waste management plans**
- **Previous Twinning:**
  - Waste oil
  - Asbestos waste
  - Batteries
  - WEEE
- **Present Twinning**
  - Hazardous C&D waste
  - **POPs waste**
  - End-of-life vehicles

# Scope of the integrated hazardous waste management plan IHWMP

- **Geographical coverage: National Plan**
- **Time horizon: 5 years**
- **Waste streams to be covered:**
  - **All hazardous waste streams (municipal and industrial)**
  - **Including: WEEE, Waste Batteries, Waste oil, Asbestos Waste, end- of life vehicles, POPs waste and hazardous C&D waste**

# Development of the SWSP for POPs/PCB

## - Approach and consultation process -

### ■ Three workshops:

- General considerations for the planning process and on the current status
- Planning assumptions and objectives for improvement of the waste management of the waste stream
- Proposed measures to achieve the objectives

### ■ Drafting of the SWSP

# Elements of the IHWMP

## Aspects considered in the determination of the elements/structure :

- Principals laid down in the **European Waste Framework Directive**
- the methodological **guidance note for preparing a waste management plan** [European Commission, DG ENV, 2012],
- the specific waste management plans prepared under the **previous Twinning project** "Strengthening Institutional Capacity in Hazardous Waste Management"

## Main sections of the SWSP

- **Background**
- **Status Part**
- **Planning Part**

# Background Part

- **1 INTRODUCTION**
  - 1.1 Overall waste problematic
  - 1.2 Role of the plan in waste management planning
  - 1.3 Consultation process
  
- **2 LEGAL FRAMEWORK FOR THE MANAGEMENT OF HAZARDOUS WASTE IN SERBIA**
  - **2.1 Serbian policy and legislation for hazardous waste stream**
    - 2.1.1 Law on Waste Management
    - 2.1.2...Specific by-laws.....
    - 2.1.x National Waste Management Strategy
  - **2.2 EU policy and legislation for hazardous waste**
    - 2.2.1 Waste Framework Directive
    - 2.2.2 EU Waste stream Directives
    - 2.2.3 EU Directives on Waste Treatments
    - 2.2.4 Waste related aspects of the EU Industrial Emissions Directive
    - 2.2.5 Waste shipment Regulation
    - 2.2.5 ADR (if applicable)
  
- **3 INSTITUTIONAL SET-UP**
  - 3.1 Republic of Serbia / Ministry of Agriculture and Environmental Protection
  - 3.2 Autonomous Province
  - 3.3 Environment Protection Agency - SEPA
  - 3.5 Environmental Inspection



# Status Part

- **4 Current Status of the waste management regarding hazardous waste in Serbia**
  - **4.1 Qualitative Characterization of hazardous waste in Serbia**
    - **4.1.1 Waste sources of hazardous wastes (municipal, industrial)**
    - **4.1.2 Types of hazardous waste**
    - **4.1.3 Composition of hazardous waste**
    - **4.1.5 Overview on waste codes for hazardous waste**
    - **4.1.6 Other classifications for hazardous wastes (if applicable)**
  - **4.2 Quantitative Characterization of hazardous waste in Serbia**
    - **4.2.1 Market input of products which become hazardous waste (where applicable)**
    - **4.2.2 Quantities of hazardous waste generated**
    - **4.2.3 Quantities of hazardous waste treated (landfilled, incinerated, other treatment)**
    - **4.2.4 Quantities of hazardous waste imported/exported to/from Serbia**
  - **4.3 Present collection system for hazardous waste in Serbia**
  - **4.4 Existing treatment facilities for hazardous waste in Serbia**
- **5 Economy and Financing of hazardous waste in Serbia**
  - **5.1 Estimated present waste management costs**

# Planning Part I

- **6 Planning assumptions**
- **6.1 Forecast on waste quantities and required collection and treatment capacities**
- **7 Overview of appropriate waste management options for POPs waste**
- **7.1 Options for the collection of POPs waste**
- **7.2 Options for the treatment, and disposal of POPs waste**
- **7.3 Estimated investment and operational costs for appropriate waste management options**
- **7.4 Options for the financing of the management of POPs wastes**
- **8 Determination of objectives**
- **8.1 Objectives regarding prevention of POPs waste**
- **8.2 Objectives regarding the collection of POPs waste**
- **8.3 Objectives regarding the treatment and disposal of POPs waste, including capacities of waste management facilities**

# Planning Part II

- **9 Action plan for achieving the objectives**
- **9.1 Measures**
- **9.1.1 Regulatory instruments (if applicable)**
- **9.1.2 Operative instruments (if applicable)**
- **9.1.3 Market based instruments (if applicable)**
- **9.1.4 Information based instruments (if applicable)**
- **9.1.5 Voluntary instruments and voluntary agreements (if applicable)**
- **9.2 Assignment of responsibilities for implementation of measures**
- **9.3 Monitoring**
- **9.3.1 Indicators for measuring progress**
- **10 location criteria for site identification for future disposal and recovery installations**

# Time schedule POPs SWSP



# Next steps

## ■ Working group (including MAEP)

- Provide information on waste generation, treatment and disposal
- Provide information on collection and treatment facilities
- Provide information on costs for waste management in Serbia
- Provide information on useful studies/projects etc.
  - from now on contact on SWSP

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1st workshop on SWSP  
Belgrade ■ 18.11.2015

# Ideas for objectives (in line with IHWMP)

- **Objectives regarding data availability**
  - Identify POPs inventories and stocks
  - Identify possible sources for POP emissions in Serbia
  - Needs of Hazardous waste tracking
- **Objectives regarding POPs waste removal, disposal, and production**
  - Implement measures for disposal and storage
  - Implement measures for removal of PCBs and PCB containing equipment
- **Objectives regarding collection**
  - Quantitative collection amounts for particular waste
  - Identify appropriate collection sites for PCB waste

15

# Ideas for objectives (in line with IHWMP)

- **Objectives regarding the treatment infrastructure**
  - Establishment of hazardous waste incinerators/capacities
  - Establishment of CP plants/capacities
  - Establishment of special plants for pre-treatment of hazardous wastes (WEEE, batteries, contaminated metal wastes etc., etc., )
  - Clarify for which types of wastes mobile treatment is appropriate and for which not
  - Identify possible sites for new hazardous waste treatment facilities
  - Identify possible funding for new waste treatment facilities



# Ideas for objectives (in line with IHWMP)

- **Objectives regarding the management of POPs waste**
  - How to integrate the informal waste management activities
  - Training of authorities
  - Specific requirements for operators of waste treatment plants
- **Objectives regarding enforcement**
  - Reorganisation of responsibilities of authorities appropriate resources for inspection
  - Appropriate penalties and fines

**Thank you**