

# Experiences with the implementation of EC legislation on landfilling of waste Findings from previous events



## Information Exchange and Awareness Raising Event on LANDFILL of Waste

Malta

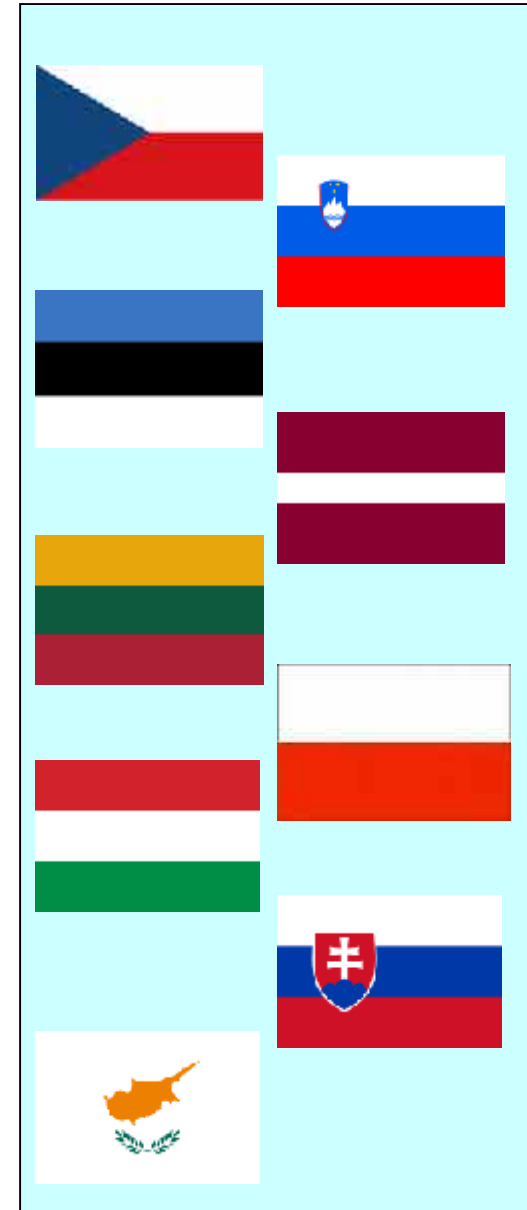
St. Julian's, 7th May 2007

BiPRO

1

# Topics

1. Implementation of the new Regulation
2. Major problems and deficits
3. Examples of good practice
4. Priorities



## Characterisation of situation within EU 10

- (1) High share of **landfilling** in waste management
- (2) High content of **biodegradables** in landfills
- (3) Existence of huge number of “**old, low standard**” dumpsites
- (4) **Illegal dumping** of waste

- (4) Organisation with waste collection due to **market situation**  
(contracting, municipal responsibility, open market for collectors – choosing only profitable region, choice of landfill for disposal)
- (5) Low **coverage** with collection system (esp. deficits in rural areas)
- (6) Missing **separation at source**,
- (7) Low **quality of materials** for recovery

## Deficits in planning and administrative instructions

- (1) Lack of **investments** into landfill standard due to uncertainty on future exploitation
- (2) Deficits in **closing and re-cultivation** of old landfills
- (3) Low or wrong **incentives** arise from the fee system and reimbursement structure

## Problems derived from lack of acceptance, awareness and cooperation

- (1) Lack of **acceptance** and understanding in population
- (2) Reluctance and objections against **regional cooperation** at local authorities
- (3) Missing **market for compost** generated of biowaste

# Technical problems and uncertainty with interpretation of technical provisions

## (1) Interpretation of **provisions** in European legislation

- treatment prior to landfill
- requirements for basic characterisation
- technical construction requirements for landfill sites (e.g. sealing layer, degassing, leachate collection)
- use of shredded or whole tyres as engineering material
- Need for degassing of closed landfills, energy use of gas from smaller landfills and collection and treatment of leachate water

## (2) Representativity of **samples, qualification and independency** of analysing laboratory

## (3) Exceedance of **limit values** set in Decision 2003/33/EC

## (4) Classification as waste or as **secondary raw material**

## Examples for good practice- Establishment of modern collection system, landfill and recovery infrastructure

- (1) Closure of **non-compliant dumps**
- (2) Identification and elimination of **illegal dumps**
- (3) Construction of **modern landfills** with separation lines
- (4) Start of **composting**
- (5) Use of **biogas for energy recover** from degassing of closed landfill
- (6) Installation of civic **amenity sites** at landfills
- (7) **Leachate collection** and treatment
- (8) Installation of **collection points**

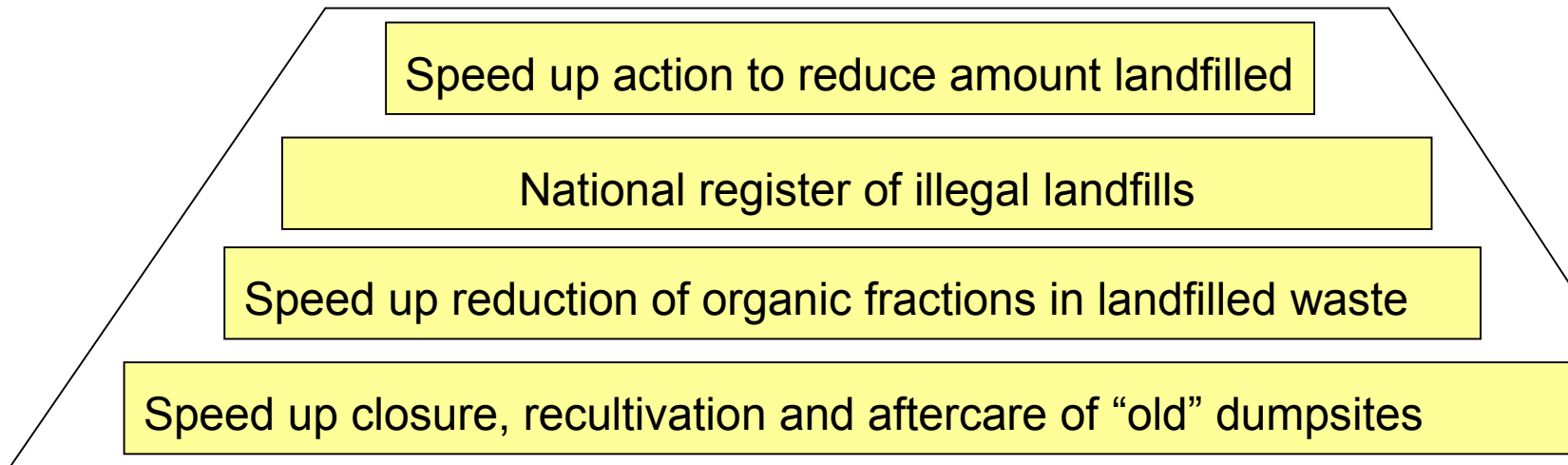
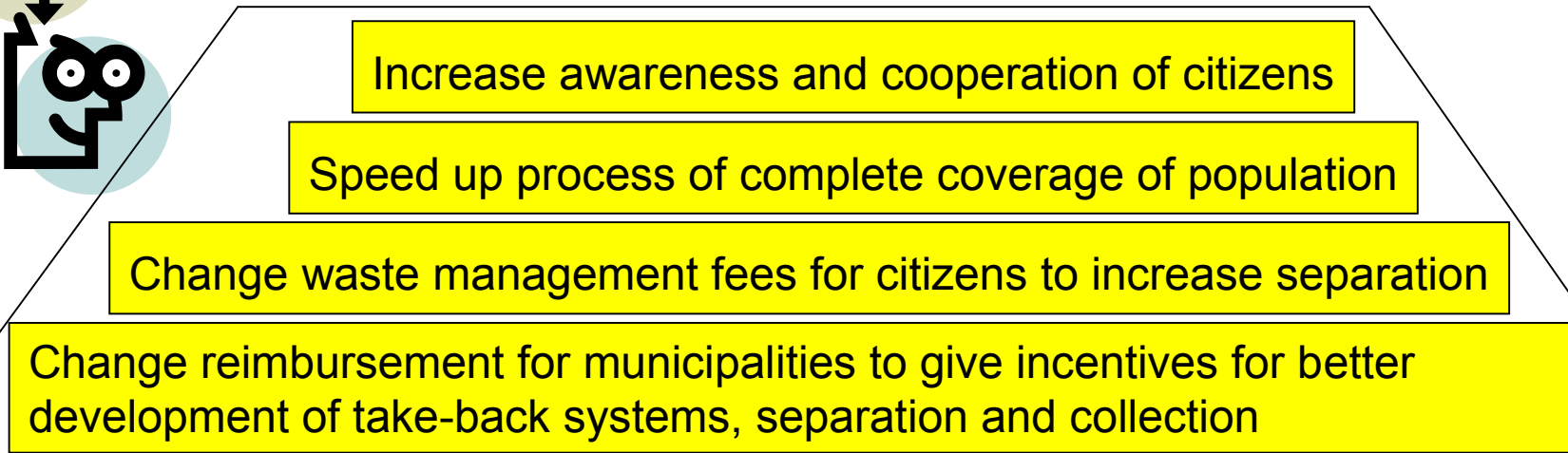
## Examples for good practice- Training, awareness raising and control

- (1) Combined **control activities** of environmental inspectorates and police
- (2) Standardised **documents and guideline** for basic characterisation established at national level (CZ, PL)
- (3) Early evaluation of **waste management plan** by means of indicators (CZ)
- (4) Investigation in **alternative treatment and recovery methods** for waste (CZ, SK)
- (5) **Training** of regional authorities; regular meetings with central authorities (CZ, PL) and about legal and technical requirements for operators (SI)
- (6) Comprehensive **register of old and illegal landfills** using e.g. GIS system and ranking of priority for cleaning and recultivation (CY)

## Examples for good practice- Training, awareness raising and control

- (1) Qualification **standards** for landfill operator and the working staff (SI)
- (2) Information **material, visits and open days** organised by landfills for information of the population (SI, Baltic States, PL) with focus on children
- (3) Raised **landfill taxes** and raised waste fees (SK)
- (4) Ban of landfilling **green wastes** from gardens and parks (SK)
- (5) Initiate an **Environmental Fund** based on taxes and fines support projects (SK)
- (6) “Private” **initiatives** of landfill operators and collectors e.g. Green Dot Latvia for separate collection systems and environmental education including specific school activities (Baltic States)

# Priority activities for implementation of landfill directive requirements





## Suggestions addressing the European Commission for supporting the implementation

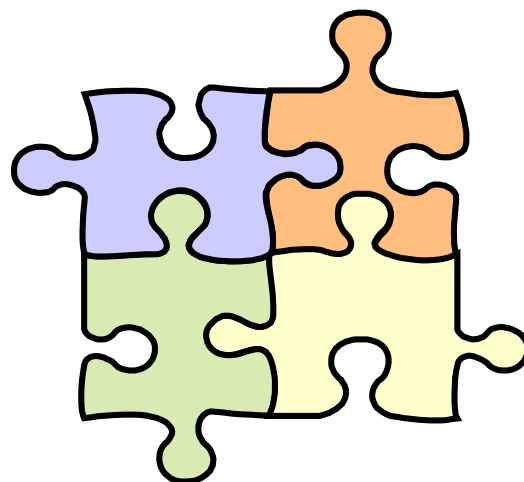
### Provide guidance on legal requirements

(e.g. basic characterisation, treatment prior to landfill, sectors, sampling-analysis, on-site verification, waste tyres for engineering purpose)

### biodegradable waste

(Harmonised calculation method)

Enhance **cooperation within the IMPEL Network** and support special projects for better implementation.



Participate in development of solution for **waste types exceeding limit values**

Establish procedure for **re-categorising certain waste-streams** as secondary material