

**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**

Cyprus

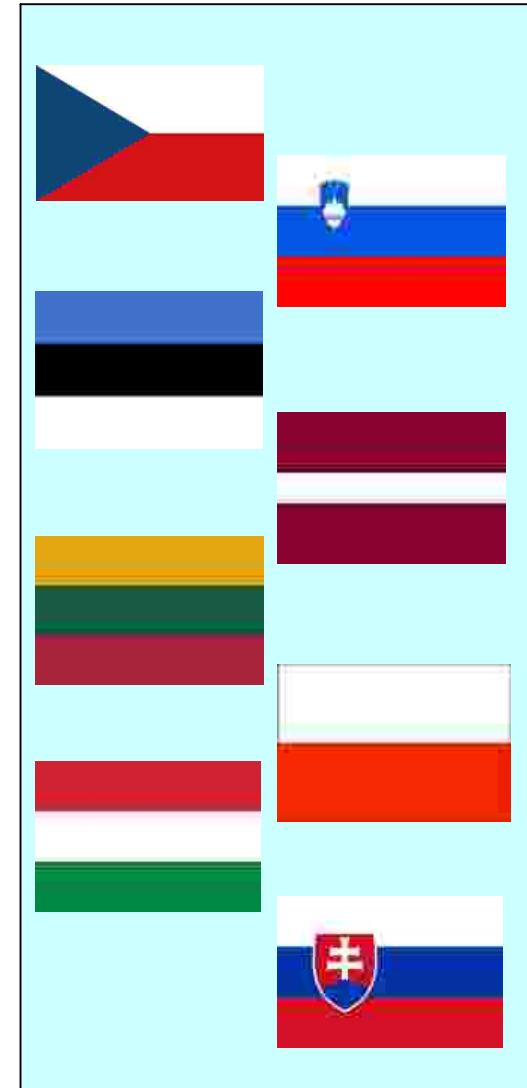
Nicosia, 25 and 26 April 2007

BiPRO

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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**

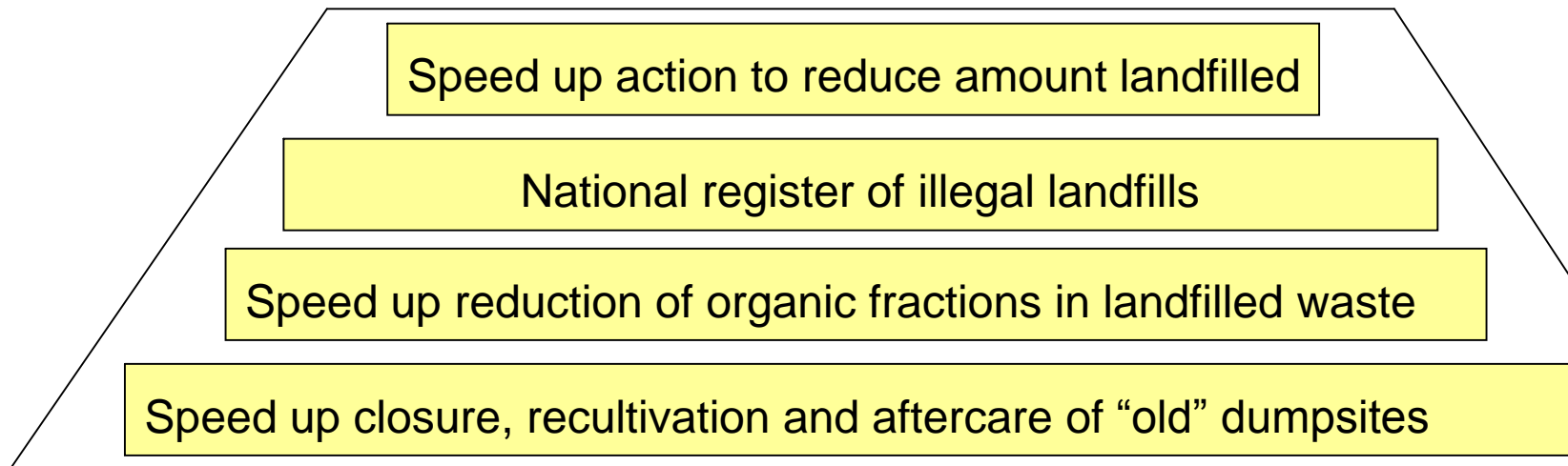
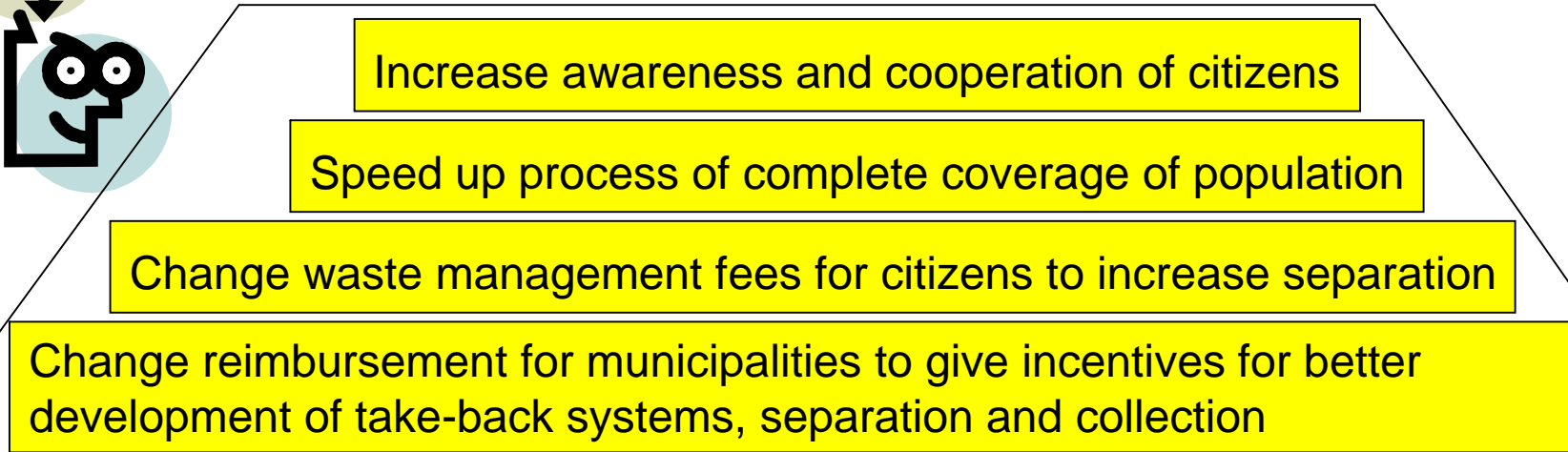
Examples for good practice- Training, awareness raising and control

- (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)

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

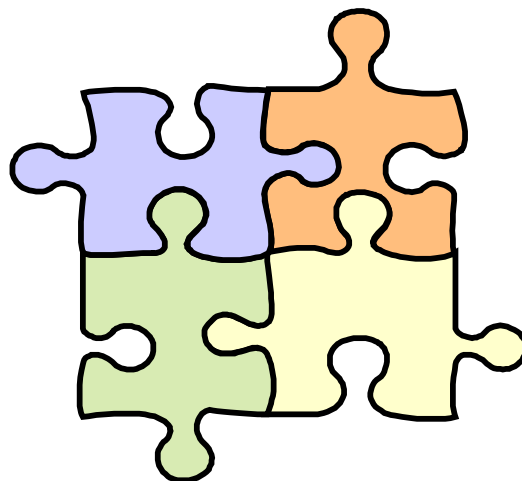
Provide guidance on legal requirements

(e.g. basic characterisation, treatment prior to landfill, sectors, sampling-analysis, on-site verification, waste types 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