

## Implementation of EU Landfill Legislation

### **Main Problems to tackle**

---

- Elimination of uncontrolled landfills in the Community is first priority
- No sufficient data from MS about implementation
- Too many unauthorized landfills (horizontal cases against FR/IT and probably ES.)
- Sustainable landfilling depends on implementation of waste acceptance criteria
- See for ref.: COR study 2005 on implementation of the Landfill Directive at regional and local level  
<http://www.cor.europa.eu/de/documents/studies.htm>

## Implementation of EU Landfill Legislation

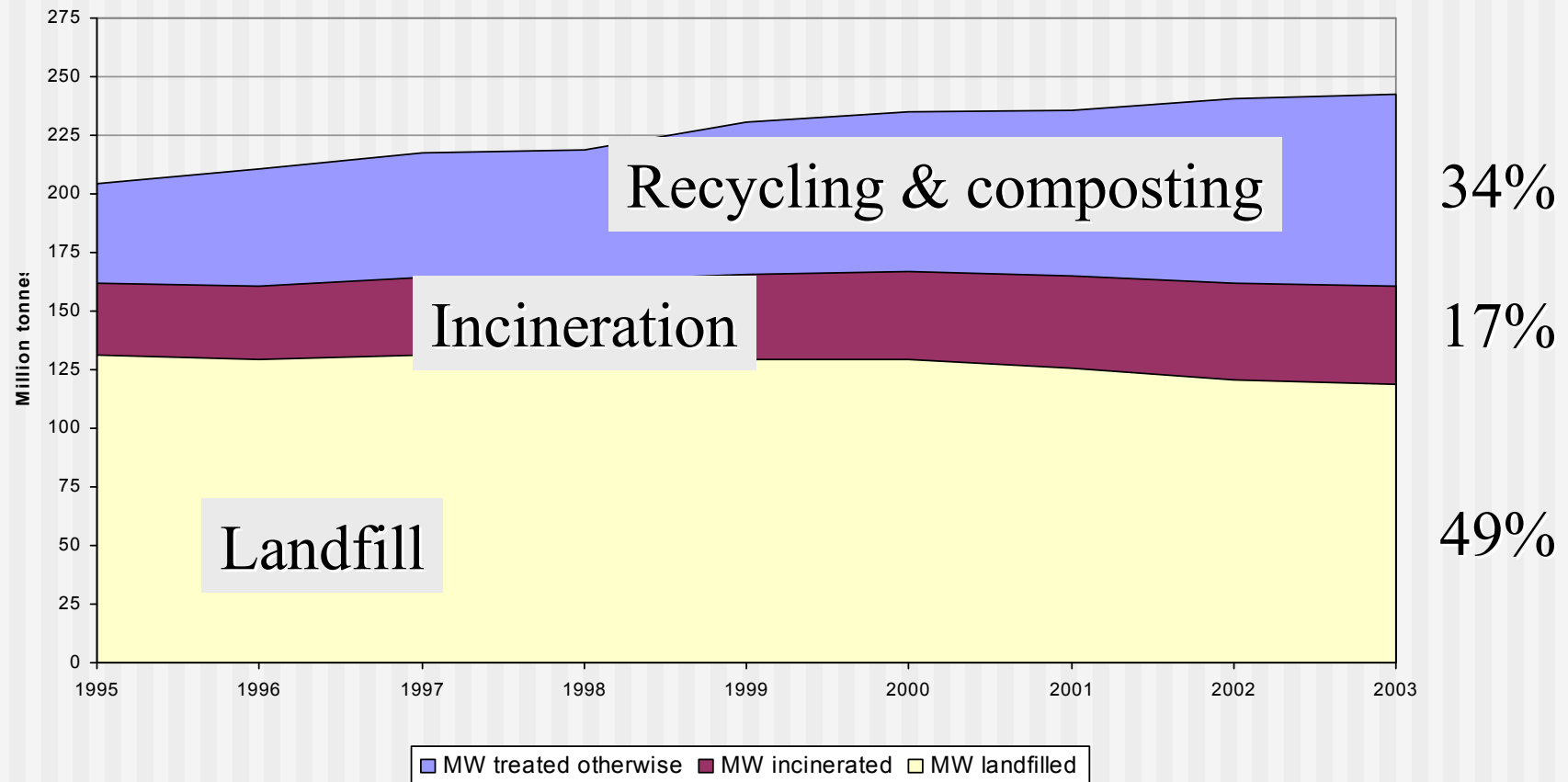
# Facts and Figures on Landfills

---

- 49% of EU-25 total municipal waste was landfilled (2003). Some landfill over 90%
- Existing landfills in the EU-15:
  - hazardous waste: 504 (141 comply)
  - non-hazardous waste: 6286 (1267 comply)
  - inert waste: 3416 (925 comply)
- Full compliance with environmental requirements 16 July 2009
- Stepwise diversion of biowaste from landfills

# Implementation of EU Landfill Legislation

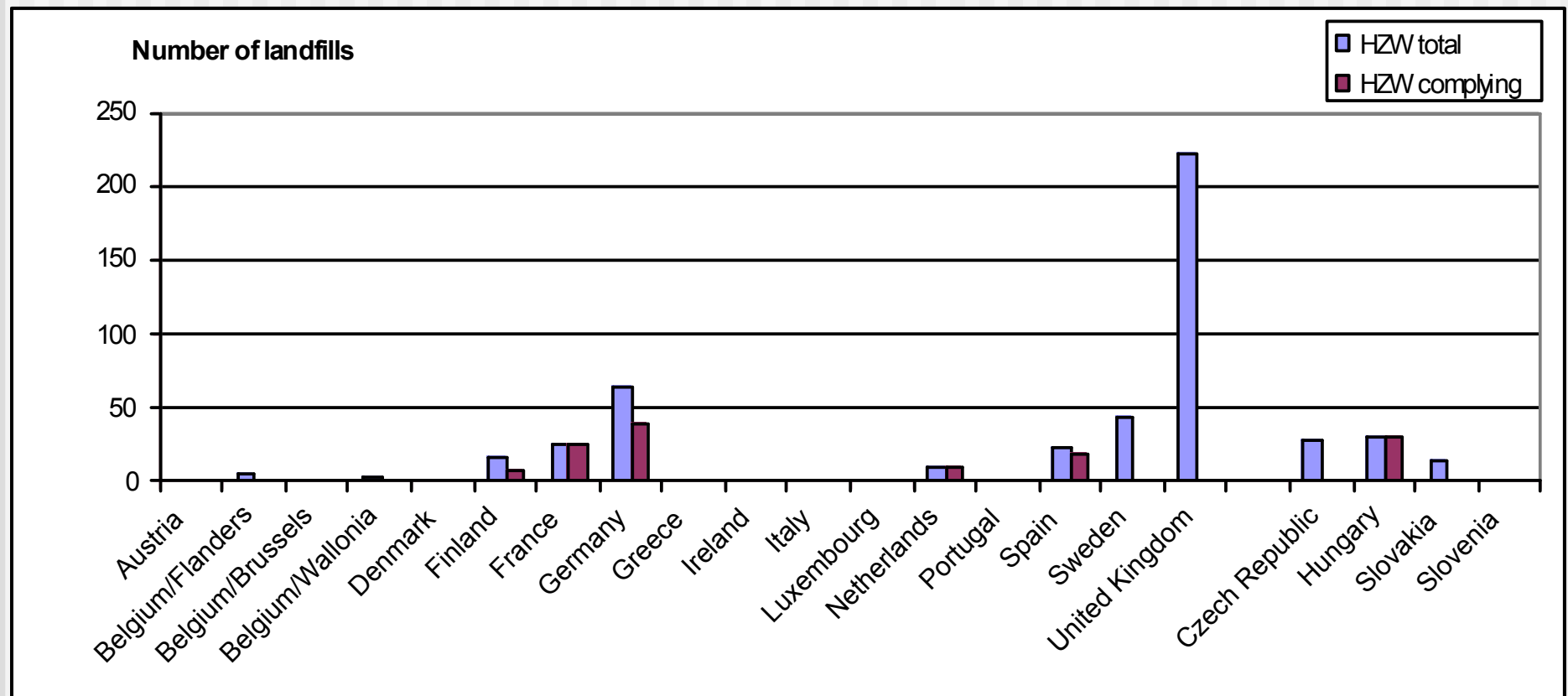
## Diversification from Landfills



# Implementation of EU Landfill Legislation

## Existing landfills

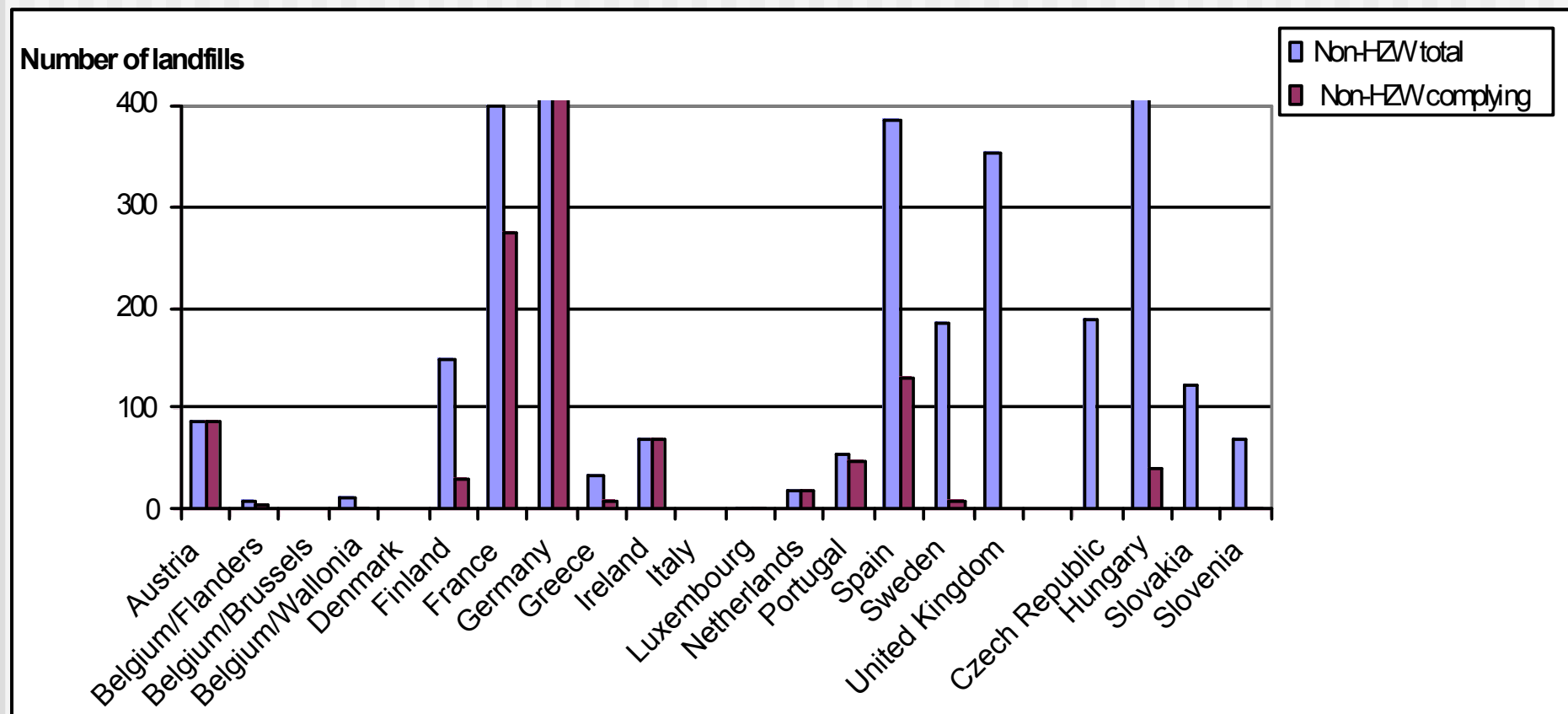
■ Figure 4a. Landfills for hazardous waste; total and complying with the directive



# Implementation of EU Landfill Legislation

## Existing landfills

- Landfills for non-hazardous waste; total and complying with the directive



## Use of landfill gas (4.2 Annex I)

---

- Relevance for climate change policy
- Data from all MS. **BAT** ought to be sought
  - Potential for improvement through advanced technology
  - Examples: -Sansenhecken district landfill DE
    - Ammässou landfill (Espoo)
- Technical guidelines submitted by some MS. Exchange to be considered.

## **Art. 5 Strategy on biodegradable waste**

---

- Climate change relevance
- Deadline for submission of strategies:  
Old MS: 16.07.2003  
New MS: as from Mai 2004
- Reduction targets for some MS difficult to achieve. What are the reasons?
  - Lack of market for biowaste
  - Lack of public awareness

## Art. 5 Strategy on biodegradable waste

---

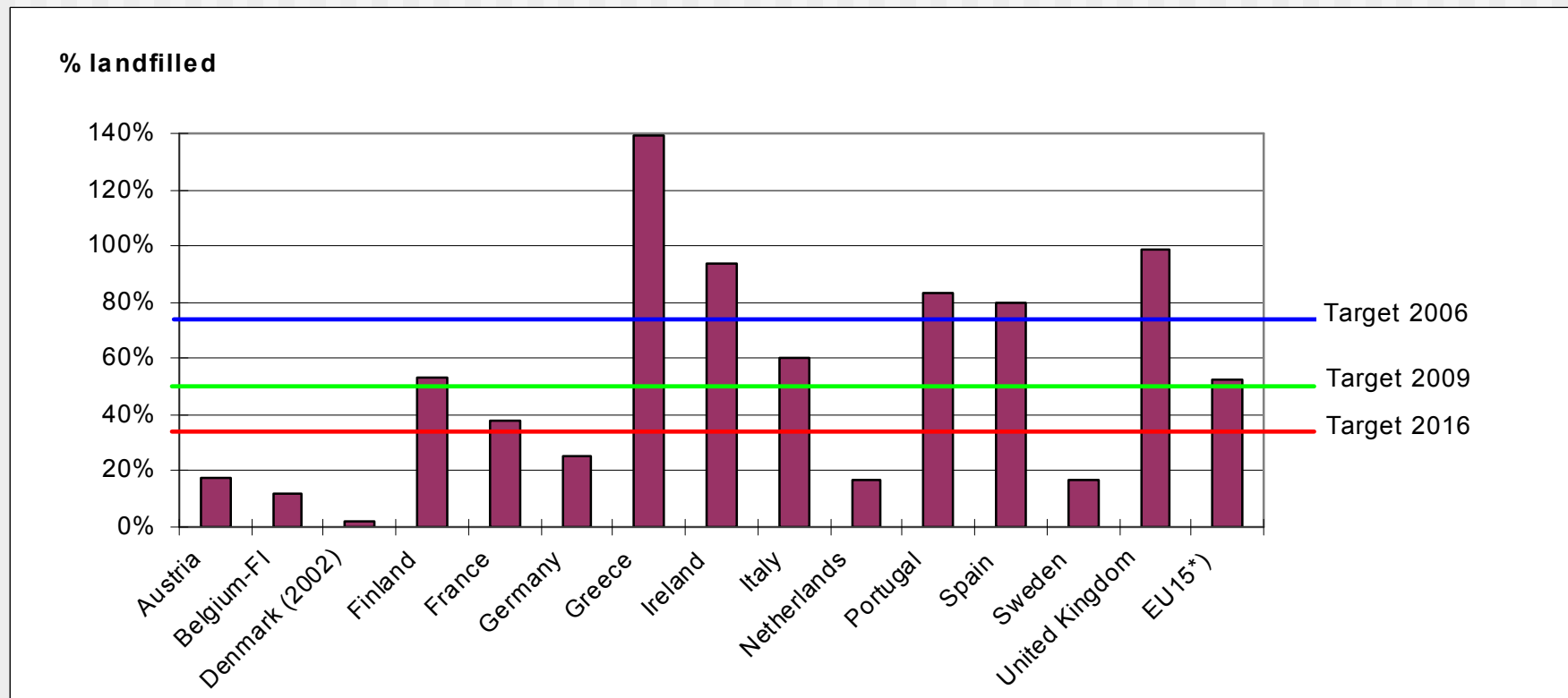
### ■ Problems:

- Definition of “biodegradable waste” standards in all MS should be the same -->  
A uniform interpretation is still pending despite Art. 2 (m) LD
- How far are MS who have not achieved the Art. 5 targets ?
- Data problem - **biodegradable waste produced in 1995:**  
**MS**      EUROSTAT See Art. 5(2)
- MS data not useful throughout

## Implementation of EU Landfill Legislation

# Art. 5 Strategy on biodegradable waste

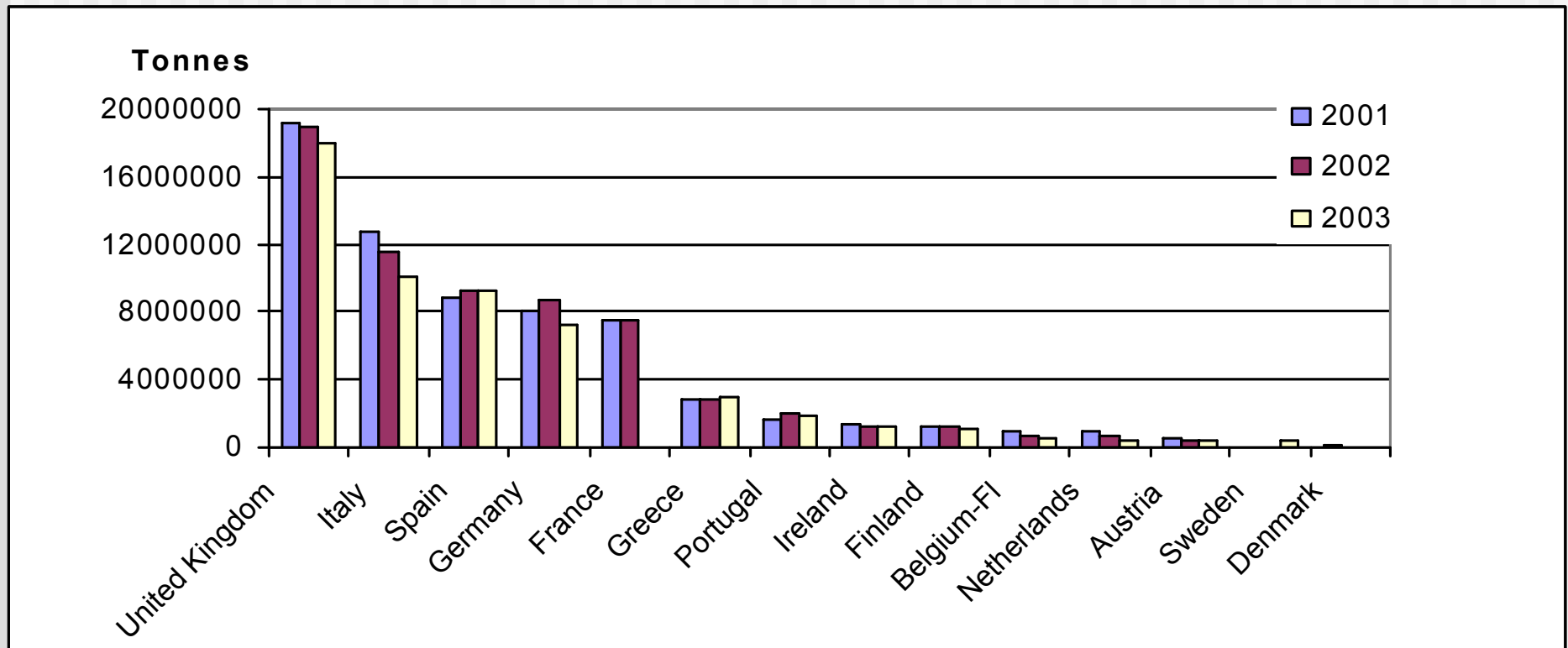
- **Figure 3. Biodegradable municipal waste distance to target, 2002**
- (Excluding Luxembourg and the Belgium regions Wallonia and Brussels)



## Implementation of EU Landfill Legislation

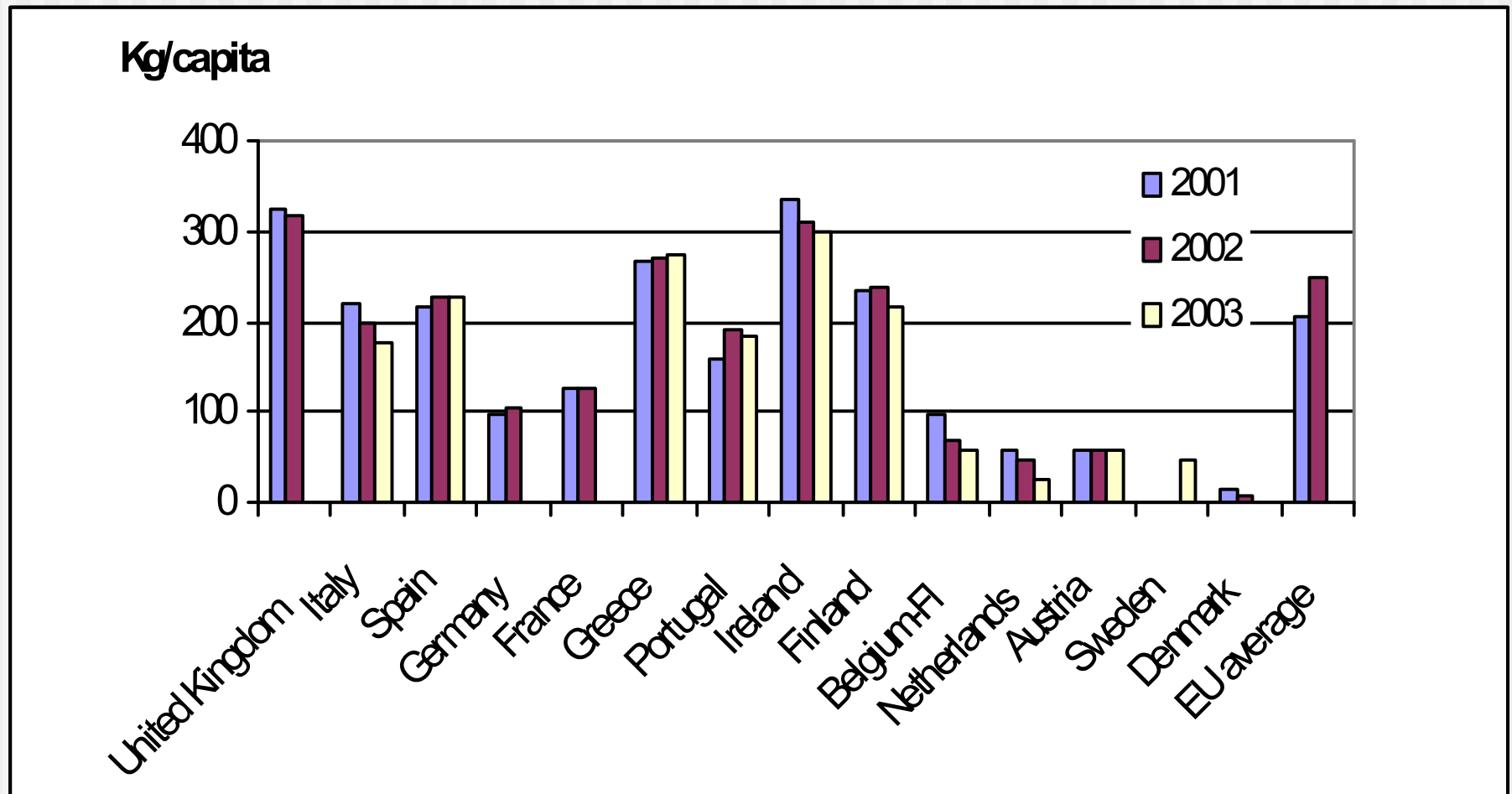
# Art. 5 Strategy on biodegradable waste

■ Figure 2a. Tonnes of biodegradable municipal waste Landfilled, 2001-2003



## Implementation of EU Landfill Legislation

# Art. 5 Strategy on biodegradable waste



## Implementation of EU Landfill Legislation

# **Waste acceptance criteria**

---

- There is little transparency about how waste acceptance criteria are applied in different MS.
- Apparently a number of MS have not replied to the implementation report (EL/UK)
- There is no knowledge about how criteria are applied in the new MS.

## Implementation of EU Landfill Legislation

# Enforcement

---

- Infringement proceedings Art. 226 EC
  - Letter of formal notice
  - Reasoned opinion
- Infringement proceedings Art. 228 EC
  - Lump sum or penalty depend on:
    - Seriousness of infringement (factor x)
    - Duration (factor x)
    - Deterrent effect (factor x)
- daily penalties of 140.000€ or a lump sum of 20.Mio € are not uncommon