

Module 3: International Experiences and Case Studies

Dutch SEA Case Study: 2002 Waste Management Plan

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Objectives of the Plan

- **To set ‘minimum standards’ for waste processing**
- **Standard = minimum environmental performance for processing techniques**
- **For 26 waste streams**

Purpose and Context of SEA

- **To compare environmental performance of alternative processing techniques**
- **Attracted much interest from civil society**

Methodology for Impact Analysis

- **Life Cycle Analysis**
- **Advantages:**
 - **standardized technique**
 - **Use of computer model**
 - **All effects from production to disposal**
 - **Includes positive effects of re-use**
- **Disadvantage: high data demand**

LCA: Environmental Themes

- **Climate change**
- **Acidification**
- **Eutrophication**
- **Toxicity**
- **Use of resources**
- **Use of space**
- **Biodiversity**

Weighting to Reflect Policy Priorities

Four weight sets were applied:

- **All effects equally important**
- **Contribution to policy objectives most important**
- **Climate change most important**
- **Toxicity most important**

Methodology for Public Participation

All major national NGOs:

- **Round tables on alternatives & impacts**

Selected national NGOs:

- **Continuous sounding board**

Methodology for Public Participation

Local NGOs and local governments:

- **Actively invited to send comments**
- **In both scoping and reviewing stage**

Private citizens:

- **Written comments during scoping and reviewing**

Methodology for Public Participation

Methods applied:

- **Discussion groups in early stage**
- **Sounding boards throughout process**
- **Technical expert workshops**
- **Information meetings for general public**
- **Mass media and information bulletin**

Results of Public Participation

- **High response national NGOs: alternatives**
- **Increased focus on new alternative: separation**
- **High response local groups: local issues**
- **Low response by private citizens**

Lessons learned

- **LCA useful, but not in all cases**
- **Extensive public participation useful:**
 - **Led to broad acceptance of plan**
 - **Increased 'holistic' approach by NGOs**
- **Public should also be involved in stating assumptions**
- **SEA made EIA easier to do:**
 - **Methodology developed**
 - **Alternatives compared**