

How to use Swedish experiences to improve municipal waste management in Macedonia

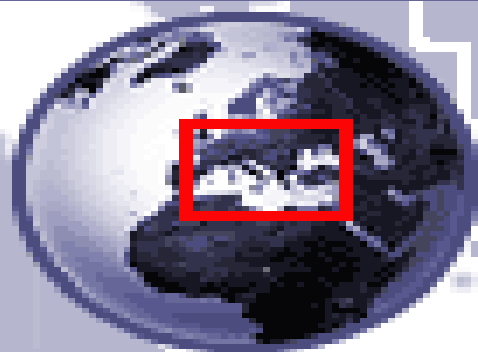
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Macedonia



Serbia and
Montenegro

Romania

Bulgaria

■ Skopje

Macedonia

Albania

Greece





Project: "Improved system for collection of municipal waste in Macedonia "

- 2008 - 2009
- Swedish EPA in cooperation with Ministry of Environment and Physical Planning (MEPP) in Macedonia
- Support from Swedish International Development Cooperation Agency (SIDA)



First part of the project

1. Project meetings
2. Study visit to Sweden
3. Comparative study of waste management in Macedonia and Sweden (consultant)



Collection household waste – only 70 % receive regular service



Low recycling rates and unadequate treatment



Weak capacity and low awareness

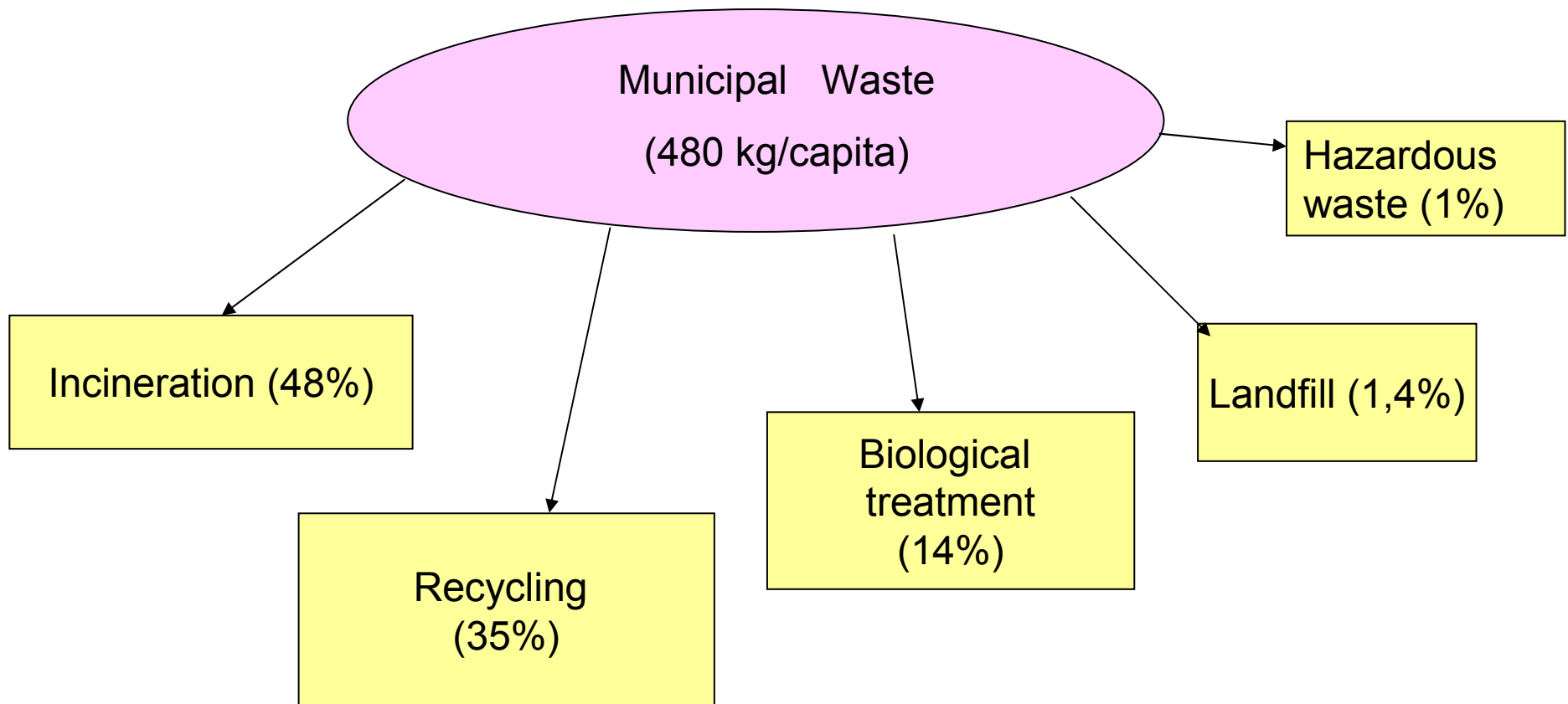


Financial problems

- Only 50 % pay the collection fee
- Enterprises bringing waste to municipal solid waste management facilities not charged



Treatment of municipal waste in Sweden 2009



A long road from the 1960 to 2009

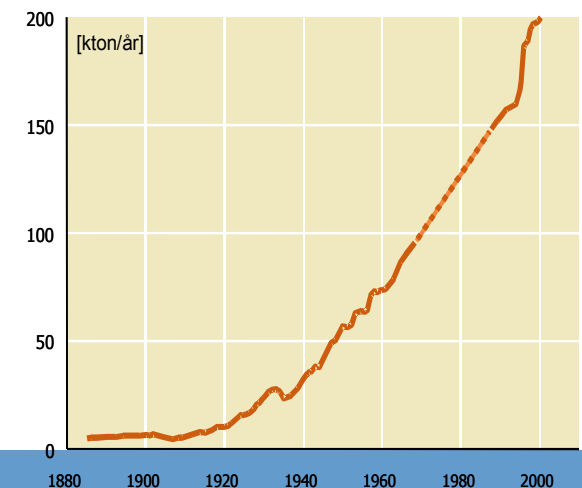
From: Low coverage of collection, backyard burning, dumping, low standards landfills and incineration and low recycling rates

To: 100 % collection, high recycling, few landfills with high standard and clean and efficient incineration... but a lot more waste



Important changes and instrument used

- **1960 - Municipal responsibility for collection of household waste**
- **1980 – Improved collection of hazardous waste**
- **1990 - Local waste management planning,**
 - **Producer responsibility**
 - **EU-membership**
- **2000 – Landfill directive, landfill ban for organic waste, tax on landfilling**
- **2010 – Prevention of waste**



Factors that made it possible

- Clear responsibility for the municipalities
- A good possibility to get financing
- Several measures to support recycling
- Public awareness
- Regional and national cooperation
- Local waste management plans



Second part of the project

- Guidance for local waste management planning
- Regional workshops for Macedonian municipalities
- Final report and concluding workshop



Five regional workshops

- 50 municipalities, 90 participants
- Presentations
 - guidance waste management planning
 - collection systems and waste treatment
 - Swedish experiences
 - EU requirements
- Group discussions



Results

- Municipalities:
 - improved capacity
 - started preparing waste management plans
- MEPP
 - improved capacity
 - identified and tested methods guiding municipalities
- Contacts!



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Elements for a successful project

- Engaged participants
- Focus on personal relations
- Communication (regional workshops)





The Swedish Environmental Protection Agency

- Sweden's central environmental authority
- Established in 1967
- Approximately 550 employees



The Swedish EPA's tasks

- Ensure environmental policy decisions are implemented
- Provide the Government with expert knowledge
- Participate in EU and international environmental efforts

