

SWEDEN TAKING CARE OF UK'S WASTE, ISN'T THAT JUST RUBBISH?

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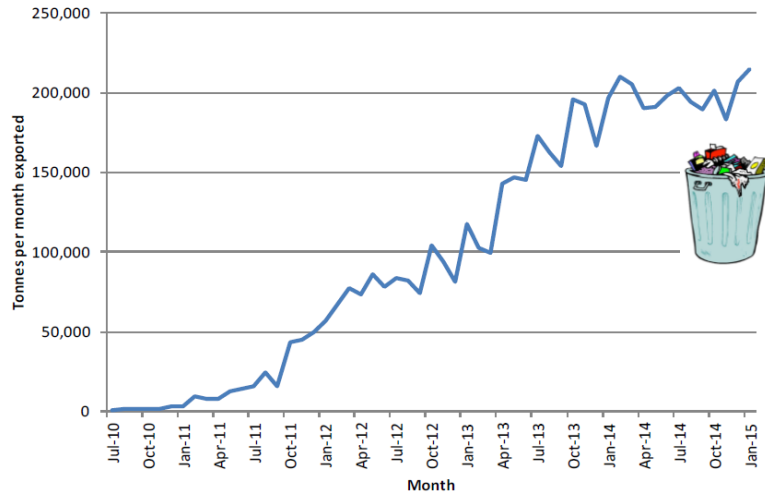






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BACKGROUND

Quantity of RDF exported from England, July 2010 to January 2015



- Rapid increase in waste trade due to regulatory changes
- Destined to    
- Public debate has followed
 - Introduction of waste incineration tax
- Likely to result in more UK landfilling
- Is it motivated to impair the competitiveness of Swedish incineration?



CASE STUDY

- Two policy scenarios:
 - Landfill in Hull (EN)
 - RDF Incineration in Västerås (SE)
- Cost Benefit Analyzes

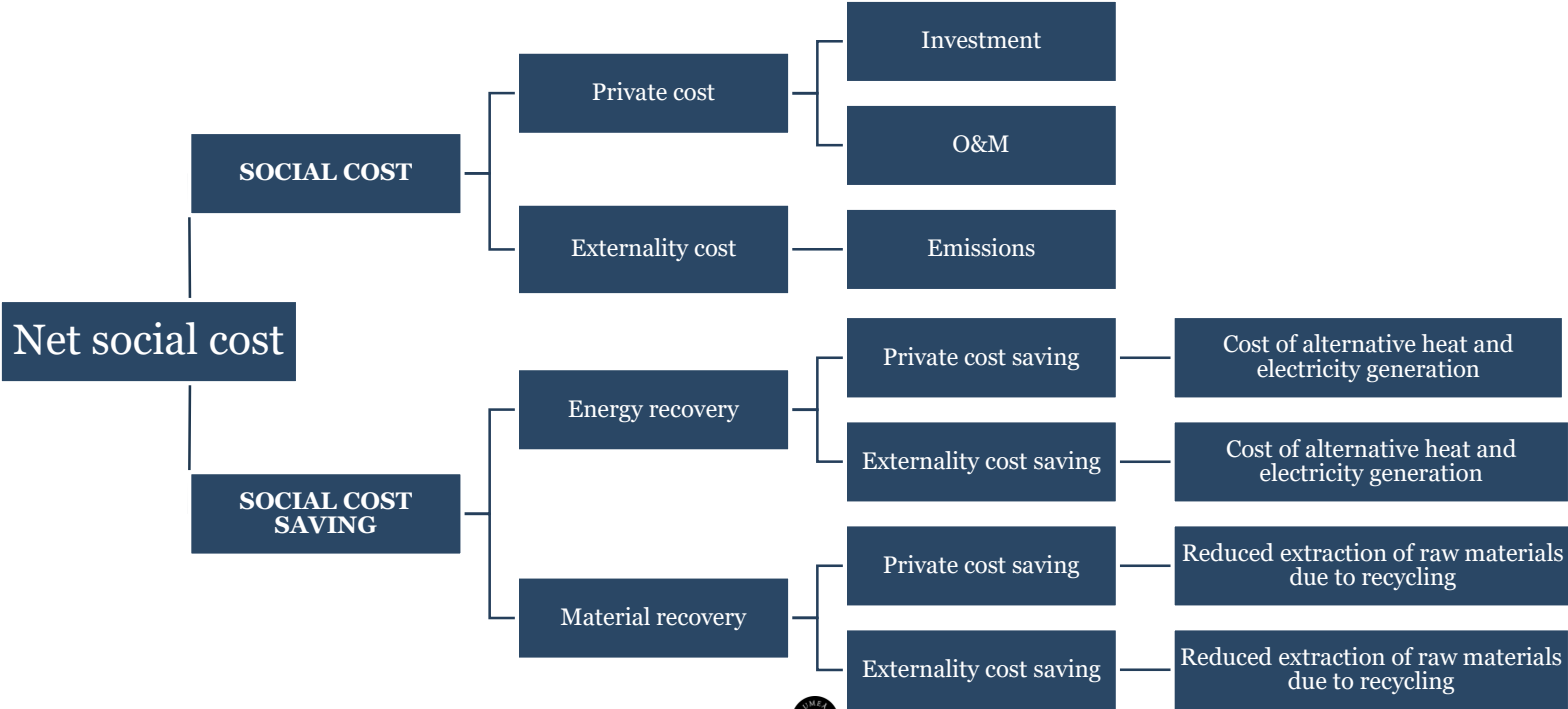


- What is the net social cost of SE incineration, given a Swedish policy perspective?
- What is the net social cost of EN landfilling, given a Swedish policy perspective?



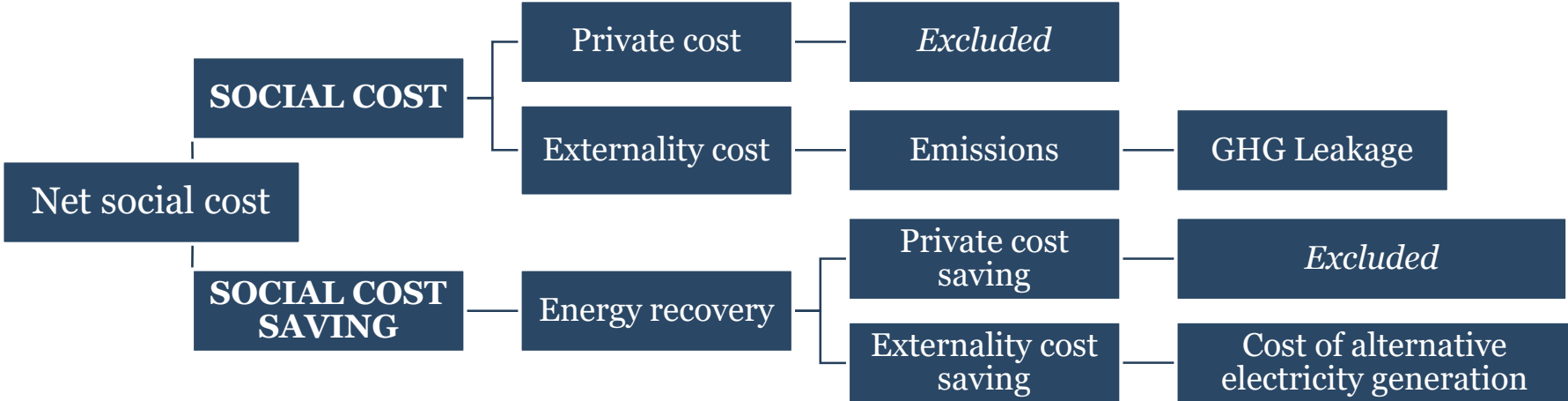
COST BENEFIT ANALYSIS, INCINERATION

What is the net social costs of SE incineration, given a Swedish policy perspective?



COST BENEFIT ANALYSIS, LANDFILL

What is the net social cost of EN landfilling, given a Swedish policy perspective?



PRELIMINARY RESULTS

Net Social Cost. Incineration in Västerås (SE)

	SEK/tonne
Private Cost	1 116
Externality Cost	
Incineration	379
Transport	42
Social Cost	1537
Private Cost Saving	
Heat	1 068
Electricity	323
Materials	8
Externality Cost Saving	
Heat	125
Electricity	547
Materials	43
Social Cost Saving	2114
Net Social Cost	-577

Net Social Cost. Landfill in Hull (EN)

	SEK/tonne
Private Cost	excluded
Externality Cost	405
Private Cost Saving	excluded
Externality Cost Saving	24
Net Social Cost	381

- Incineration preferred over landfilling
- The low net social cost of incineration appear to be driven by...
 - 1) large private cost savings due to energy generation
 - 2) Energy from incineration is less polluting compared to alternatives
- Externality costs from transports seem to be marginal
- Conclusions are the same if only externalities are considered



FINAL REMARKS

- Results are preliminary!
- To what extent is the case study generalizable?
- How robust are the results?
- What system boundaries should one apply?
- Is it problematic to focus on short term effects?

