

From Waste to Traffic Fuel

W-Fuel



Measures for biowaste prevention in Helsinki region

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About waste prevention in W-Fuel

- In W-Fuel-project plans for biowaste and sludge prevention were prepared for four case regions in Southern Finland and two regions in Northern Estonia
- The plans include qualitative and quantitative prevention targets and political measures and sectoral activities needed to reach the targets
- This presentation concentrates on measures and activities for and effects of prevention of municipal biowaste in Helsinki region



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Measures on biowaste prevention: Legislation, permits and plans

- Obligations and measureable targets for biowaste prevention for different sectors into waste legislation
- For environmental permits: obligation to prove that the full use of the plants capacity during its lifetime does not hinder or stop prevention measures in the effected regions
- Measureable prevention targets and agreed activities into different regional level waste prevention plans

Economic measures

- Taxes on natural resources are effective in prevention
- Taxes and fees on waste phase effect mainly only the selection of waste management
- Needed: weight based waste fees, high tax on waste incineration and subsidies for investments in waste prevention and material audits

- Main part of funding in waste issues to first priority = prevention

- Waste prevention as prerequisite into public and private purchasing of products and services

Structural measures

- Overleft eatable food: An organization needed to gather and deliver the food stuffs from shops, industries, public food services etc
 - An electric data transfer on available food, vehicles with cool device for collecting and delivering the food stuffs, regional centers for repacking and routes for delivering
- Structural change in waste prevention advisory work:
 - Advisory to be removed from municipal waste company to regional centre for material efficiency
 - Materials on waste prevention to be produced by state/central organizations and only accustomed and fulfilled in regions

Informative measures

- Needed: effective means to gather and deliver data on waste prevention and its effects
- PETRA – a waste benchmark system already operating in Helsinki region should be developed to for an interventional tool and waste data bank
 - Companies and organizations to be obliged to feed into the system data on their wastes
 - The system would gather yearly data in different sectors and deliver info on the lifecycle effects of waste and waste prevention to the users of the system
 - More research on environmental and economic effects of food and other biowaste's life cycle is needed and results should be feed into the waste data bank
 - The whole system would produce reliable statistics on biowaste and info on the effects of prevention

Activities needed for waste prevention

Municipal and other public bodies and entities ought to

- Set prevention targets for biowastes in their plans
- Make a political decision to put waste prevention and material efficiency into effect in all their procurement and other activities
- Start gathering and feeding data on their biowaste to PETRA-system
- Lobby with actors in other case regions for national legislative, economic and informative measures
- A fixed share of waste fees to be steered for waste prevention promoting
- To avoid overcapacity of incineration: Find out how biowaste prevention and the use of biowaste in biogas production effect the amounts of waste available for the planned incineration plant

Activities needed on waste prevention 2

- A biowaste prevention campaign addressed to households with main attention to the economic savings and emissions' decrease
- A campaign in food services, restaurants, hospitals and nursing homes to take into use the already tested means to prevent food waste and to find new ones
- In a joint project Material efficiency center at MOTIVA and food industries produce models for material auditing for some sectors in food industry
- In a joint project the shipping companies, the cities of Turku and Helsinki and The Finnish Environment Institute produce a handbook of best practices on preventing biowaste in ferries



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Thank you for your attention!

The plan for biowaste prevention for case regions will be published in the end of April 2012

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