



Study tour for Russian waste experts to get inspiration from Finnish waste management practices

Realised by the AB-Waste project (Waste cooperation between BEAC WGE and ACAP)

Persons in charge: Helena Dahlbo/Finnish Environment Institute SYKE, Ruslan Butovsky/VNII Ecology, Johanna Laaksonen/Contract with SYKE

Schedule: 17.-21.9.2018

Participants: around 20 persons (15 from Russia + around 5 from Finland)

Preliminary draft for program

17.9.2018 Monday Arriving in Helsinki, checking in at accommodation. Possibility for evening program in SYKE (depending on the time of arrivals)

18.9.2018 Tuesday Program in Helsinki + flight to Oulu in the evening

Finnish Environment Institute

- Transfrontier shipment of waste
- Basel convention
- co-operation with the customs

RINKI

- National producer responsibility system for packaging

HSY (Helsinki Region Environmental Services Authority)

- collection and treatment of hazardous wastes from households
- anaerobic digestion plant in Ämmässuo
- Sortti-station (recycling station for consumers and small enterprises for bringing in their wastes)

19.-20.9. Program in Oulu (suggestions, may not be possible to include everything)

19.9. Wednesday

9:00 - 13:00 Kiertokaari Ltd and Gasum Ltd

Kiertokaari Ltd (regional waste management operator and company) – *CEO Markku Illikainen and Environmental Manager Helmi Riihimäki*

- Collection, sorting, separation, recovery and treatment of municipal solid waste (also for recoverables)
- The recovery of valuable waste fractions
- Collection and treatment of waste from sparsely populated areas
- The responsibilities for different phases of the waste management change, who pays?
- Collection of hazardous wastes from households, how was it implemented?
- Collection and treatment of bulky wastes?
- Activation of inhabitants into sorting and recycling?
- Environmental and economic benefits of waste sorting and recovery

Gasum Ltd (Biogas plant) - *Eeli Mykkänen Development Manager*

- What waste fractions are received
- How is the biogas utilized
- Environmental and economic benefits of biowaste anaerobic digestion

Site visits:

- Kiertokaari
- Kuusakoski or Stena Recycling (treating metal scrap)

13:00 - 14:00 Lunch at Post House offered by Kiertokaari Ltd

14:00 - 15:00 Driving to ELY-Centre and on the way - introducing waste collection facilities

15:00 - 17:00 ELY - Centre for Economic Development, Transport and the Environment for North Ostrobothnia

Regional view of waste management and organizing it - *Juhani Kaakinen, Chief of Environmental Protection Unit, Ph.D., [Environment and Natural Resources](#)*

19:00 Joint dinner

20.9.2018 Thursday

10:00 - 11:30 Oulun Energia Ltd - Laanila Waste to Energy Plant - *Saara Drees, Quality Specialist*

- Starting of the waste incineration plant
- Control of the incoming waste
- Treatment of slag and ashes
- Monitoring of emissions
- Environmental and economic benefits of biowaste anaerobic digestion
- Carbon neutral energy production by 2050

11:30 - 12:30 Site visit at Laanila Waste to Energy Plant

12:30 - 13:30 Lunch - Kemira

Flights back to Helsinki

21.9.2018 Friday Return to Russia via Helsinki

End of study tour

The following expenses will be covered for the Russian participants by the AB-Waste project:

- travelling within Finland
- accommodation in Finland
- lunches and refreshments (coffee, tea, pastries) 18.-20.9.
- dinners specified in the program