



## 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/ SYKE

**Schedule:** 17.-21.9.2018

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

### Program

**17.9.2018 Monday** Arriving in Helsinki

- Finnair City Bus to hotel, if arriving by plane, (tickets and arrival information will be sent separately), checking in at accommodation.

**Hotel Scandic Park Helsinki, Mannerheimintie 46** (arrival information will be sent separately)

17:30 Meeting at hotel lobby with Helena Dahlbo and Johanna Laaksonen, walk to Finnish Environment Institute SYKE (Mechelininkatu 34a, Helsinki, meeting room Tervapääsky)

18:00 - 22:00 Evening meal and program at Finnish Environment Institute SYKE

- Welcome from Tuuli Myllymaa Head of Unit, Waste and Circular Economy Unit
- presentation of SYKE and CIRCWASTE project (Finland towards Circular Economy, EU Life IP project)
- Greetings from regions - short communication of waste management situation Participants 10min/region.

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

Morning session at: Finnish Environment Institute SYKE (Mechelininkatu 34 a, Helsinki, meeting room Apollo, 7<sup>th</sup> floor)

9:00 - 10:00 Transboundary shipment of waste

- Basel convention

- Co-operation with the customs  
Marja-Riitta Korhonen, Senior Adviser, Ministry of the Environment

10:00 - 11:00 National producer responsibility system for packaging  
Pertti Tammivuori, Operative Director, Finnish Packaging Recycling RINKI Ltd

11:30 - 12:30 Lunch at SYKE

12:30 - 13:00 Bus to Ämmässuo ecoindustry center (former Waste treatment center)

13:00 - 15:30 Presentation of the activities of Helsinki Region Environmental Services Authority (HSY) and site-seeing tour at the Ämmässuo Ecoindustry Center

- 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)
- Landfill gas collection? (optional if time)

Hanna Tukiainen, HSY (Helsinki Region Environmental Services Authority)

15:30 - 16:30 Bus to airport

19:00 – 20:30 Flights to Oulu (AY 445 Helsinki-Oulu)

Checking in at accommodation. Original Sokos Hotel Arina, Pakkahuoneenkatu 16, Oulu.

Evening free in Oulu

## **19.-20.9. Program in Oulu**

### **19.9. Wednesday**

8:30 Meeting at hotel lobby. Bus leaves to Kiertokaari waste management center.

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

Presentation of Kiertokaari Ltd (regional waste management operator and company)

Markku Illikainen, CEO

Helmi Riihimäki, Environmental Manager

- 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

Presentation of 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 to Kiertokaari and Kuusakoski Ltd or Stena Recycling Ltd (treating metal scrap)

13:00 - 14:00 Lunch at Aamurusko, Takalaanilantie 2. Offered by Kiertokaari Ltd

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

15:00 - 17:00 Regional view of waste management and organizing it

North Ostrobothnia ELY – Centre (Centre for Economic Development, Transport and the Environment for North Ostrobothnia)

Juhani Kaakinen, Director of Environmental Protection Unit, Ph.D., Environment and Natural Resources

Tarja Anttila, Senior Adviser

18:30 Meeting at hotel lobby, bus to Restaurant Nallikari

19:00 Joint dinner, Restaurant Nallikari

### **20.9.2018 Thursday**

9:20 Meeting at hotel lobby and bus to Oulun Energia Ltd.

10:00 - 11:30 Presentation of Oulun Energia Ltd Laanila Waste to Energy Plant

Saara Palo-oja, Quality Specialist

- Starting of the waste incineration plant
- Control of the incoming waste
- Treatment of slag and ashes
- Monitoring of emissions
- Carbon neutral energy production by 2050

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

12:30 - 13:30 Lunch - Kemira

17:30 - 18:30 Return flight back to Helsinki, (AY 442 Oulu-Helsinki)

Checking in at accommodation, Scandic Park Helsinki.

Evening free in Helsinki

**21.9.2018 Friday** Return to Russia from 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 18.-20.9.
- dinners specified in the program