

EUROPEAN BIOECONOMY SCENE 2019

WELCOME TO HELSINKI 8–10 JULY 2019

EXCURSION: CIRCULAR BIOECONOMY

Date: 10 July 2019

Location: Helsinki Capital Region

Time: 8.30–16.00

Companies combining the concept of a bioeconomy and the circular economy are well presented in the capital region. During the day, we will visit the largest wastewater treatment plant in the Nordic countries in Viikinmäki, Ämmässuo waste treatment plant, and Wood City in the Jätkäsaari district of Helsinki. We will also learn about nutrient cycling and new food production methods.

Bus transport is provided for the excursion. After the last stop, the bus will take participants to Helsinki Airport or back to the hotel.

A light lunch will be served during the excursion.

08.30 **Pick-up from the hotel Scandic Park Helsinki**

09.00 **Wastewater treatment plant in Viikinmäki**

The **Viikinmäki wastewater treatment plant**, located in Helsinki, is the largest treatment plant in Finland and in the Nordic countries. In total, it processes wastewater from industries and around 800,000 residents in Helsinki and its neighbouring municipalities.

Most of the plant infrastructure was built into the bedrock. The plant was commissioned in 1994. Now, together with the discharge tunnel into the open sea, it has replaced separately operated small-scale wastewater treatment plants. Around 85 percent of the flow conducted to the treatment plant is domestic wastewater and the remaining 15 percent is industrial wastewater.

10.30 **Bus transport**

11.15 **Ämmässuo Eco-industrial Centre Ekomo**

Ekomo is a resource-efficient centre, which provides a platform for companies and creates premises for developing industrial symbioses. At Ekomo, companies can take into use, in their own operations, waste and renewable energy generated by other companies in the area. Ekomo brings together many different players from the circular economy field to collaborate with each other and HSY (Helsinki Region Environmental Services Authority).

Ekomo's goal is to create a nationally and internationally attractive eco-industrial centre, where commercial businesses and pilot-stage companies can operate. The centre also provides good opportunities for research and development operations.

The centre offers companies a functional and high-quality basic infrastructure, and central location near the Turku highway. Ekomo, as an area, is self-sufficient in energy into the far future. It is about to increase the energy production of the area, which has already been quite extensive.



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12.30 **Bus transport**

13.00 **Wood City in Jätkäsaari**

Wood City is a unique wooden block located in the Jätkäsaari district of Helsinki. This wooden city block, already a Finnish flagship of international interest, is a great example of the many ways that wood can be used for construction. The city block combines design, sustainable development, urban community and good transport links.

Two residential apartment buildings, an office building and a hotel will be built in Wood City. The buildings will all be eight storeys. There is also a three-storey car park for everyone's use.

The construction of Wood City began in late 2015. The first residential buildings will be ready in spring 2019. In June 2018, construction started on the office building. Supercell, a gaming company, will occupy about 13,000 square metres in the office building. Wood City will be constructed in stages and will be completed by 2021.

14.30 **Bus transport**

15.00 **Soilfood – Refining industrial side streams into recycled fertilizers and soil amendments**

Soilfood refines a broad range of industrial side-streams into affordable fertilizers and soil amendment products that increase farm profitability while recycling nutrients, sequestering carbon and improving the quality of soil. Side streams come from many sectors such as forestry, food processing and energy sectors. Soilfood works with over 30 industrial facilities in the Nordics and is set to expand both domestically and internationally in the years to come. In year 2018 Soilfood recycled total of 731 tons of nitrogen and 153 tons of phosphorus. Site specific service, cloud based logistical management and good agronomic know-how has been the recipe for efficient, ecological and profitable nutrient recycling.

16.00 **Excursion ends, bus transport to Helsinki Airport or the hotel**

Latest version of the excursion programme is available at www.bioeconomy.fi/eubioscene19

For further information, please contact: [ulla.palander\(at\)tem.fi](mailto:ulla.palander@tem.fi)

