

EUROPEAN BIOECONOMY SCENE 2019

WELCOME TO HELSINKI 8–10 JULY 2019

EXCURSION: ADVANCED BIOECONOMY

Date: 9–10 July 2019

Location: Joensuu

Departing: 9 July, Train Helsinki–Joensuu (departure 18.30, arrival 23.00)

Returning: 10 July, Train Joensuu–Helsinki (departure 18.15, arrival 23.06)

This excursion will take us to Joensuu located in eastern Finland, where we will have a chance to become familiar with advances in bioeconomy. The city's university and science park are well known for their innovative solutions in different ecosystems, from forest research to digitalised heavy machinery. The University of Eastern Finland, the Natural Resources Institute Finland, the European Forest Institute and Business Joensuu will present their activities. A side trip will be made to Enocell Mill, which produces bleached hard wood pulp, soft wood pulp and dissolving pulp for the textile industry.

The trip to Joensuu requires an overnight stay. Participants are responsible for the costs of accommodation and should book their accommodation themselves. Our hotel is Sokos Hotel Vaakuna (<https://www.sokoshotels.fi/en/joensuu/sokos-hotel-vaakuna>). You should book your accommodation by 11 May, online at www.sokoshotels.fi or by email sales.karelia@sokoshotels.fi. Remember to give the reservation code BTEM2019 when you book your reservation to get the pre-agreed price. The cost of the accommodation for the night is EUR 96.

Train transport is provided to Joensuu and back to Helsinki. Participants will receive the train tickets when boarding the train. The train transport offers a unique panorama insight to Finnish nature and the white nights of Finland.

If you wish to fly to Joensuu instead, you must book the flight yourself and you are responsible for the cost of the flight. Suggested flights are for example:

Departing: 9 July, Flight AY345, Helsinki–Joensuu (departure 16.10, arrival 17.10)

Returning: 10 July, Flight AY346, Joensuu–Helsinki (departure 17.30, arrival 18.30)

July 9

- 18.00 **Pick-up from the hotel Scandic Park Helsinki, bus transport to railway station**
- 18.30 **Train departs to Joensuu**
- 20.00 **Light snack on the train**
- 23.00 **Train arrives in Joensuu. Bus transport to the hotel Sokos Hotel Vaakuna**



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08.15 **Pick-up from the hotel Sokos Hotel Vaakuna**

08.30 **University of Eastern Finland**

The **University of Eastern Finland** is one of the largest universities in Finland. It is known for crossing academic boundaries and its interdisciplinary approach is internationally recognised. Research at the university is ranked among the best in the world in several fields. As a multidisciplinary university, it strives to train experts for various sectors of society. The university has identified four global challenges for which it seeks solutions through interdisciplinary research and education: ageing, lifestyles and health; learning in a digitised society; cultural encounters, mobility and borders; and environmental change and sufficiency of natural resources. In collaboration with its partners, the university generates new knowledge, expertise and innovations.

The university offers teaching in more than 100 major subjects. There are four faculties: Philosophical Faculty, Faculty of Science and Forestry, Faculty of Health Sciences, and Faculty of Social Sciences and Business Studies.

Presentations:

Harri Siiskonen – Academic Rector:

Welcome to the University of Eastern Finland

European Bioeconomy University Alliance

Jyrki Kangas – Professor (forest bioeconomy), Head of the School of Forest Sciences:

Forest Bioeconomy Campus at Joensuu and the University's Bioeconomy Policy

Ossi Turunen – Professor (wood materials science):

Multidisciplinary wood material science at the University and international Master's programme in Wood Materials Science

Jyrki Saarinen – Professor (photonics), Head of the Department of Physics and Mathematics:

Forest and Photonics

10.00 **Walk to Metla House**



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10.15

Metla House

The wooden Metla House is located at the heart of the university campus in Joensuu. When completed in 2004, it was Finland's first large multi-storey office building to be built from wood. Almost all of Finland's 24 native species of tree are featured in the building. In addition to the building's modern wooden architecture, visitors are also interested in the research conducted at Metla House (<https://www.luke.fi/en/natural-resources/attractions/metla-house/>).

Natural Resources Institute Finland (Luke: www.luke.fi/en) is an internationally acknowledged research institute that promotes bioeconomy and sustainable use of natural resources. Luke's work touches people and ecosystems all over the world. Its key areas of research include forestry, agriculture, food value chains, blue bioeconomy, wildlife research, and the socio-economical aspects of bioeconomy, which contribute to several UN Sustainable Development Goals. Furthermore, Luke is the statistical authority of natural resources related statistics in Finland and performs several statutory services (e.g. forest inventory, fish, and wildlife stocks) that support policy-making in all bioeconomy sectors.

Speakers:

Tuula Packalen – Professor, Natural Resources Institute Finland

Kari T. Korhonen – Principal Scientist, Natural Resources Institute Finland:

DIABOLO — Scenarios on European forest resources – a solid base for climate smart decision making

Henrik Heräjärvi – Senior Scientist, Natural Resources Institute Finland:

The future is built with wood

The **European Forest Institute (EFI)** is a vibrant international organisation conducting research and providing policy support on forest-related issues to its member countries, European political bodies and other relevant stakeholders. At this time, 29 European States have ratified the Convention on the European Forest Institute. In addition to the 29 member countries — its key owners — the European Forest Institute consists of a network of 120 member organisations in Europe and beyond.

The **Bioeconomy Programme** at the European Forest Institute addresses the need for foresight, interdisciplinary and cross-sectoral research at the interface of markets, products, policies and forest resources. Generating knowledge about the broad sustainability implications of developing a European forest bioeconomy, as well as the effects of different regulations and policy incentives, is also key.

Pekka Leskinen – Professor, Head of Bioeconomy Programme, European Forest Institute:

Bioeconomy Research at European Forest Institute



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Metla House (continues)

The **Regional Council of North Karelia (RCNK)** is a regional public decisionmaking authority specified in the national Regional Development Act. The Regional Council is in charge of economic development, regional planning and the creation of knowledge infrastructure in its own region. The goal of the Regional Council is to promote regional development initiatives and regional balance, as well as environmentally sustainable development in cooperation with the state and local governments, businesses, universities, research institutions and non-governmental organisations.

Speaker:

Risto Poutiainen – Region Mayor, Regional Council of North Karelia:
Regional Bioeconomy Programme, case North Karelia

Business Joensuu Oy is a non-profit regional development company in eastern Finland. Its mission is to help companies to grow and succeed in international markets. The company manages a business incubator, helps companies to develop new products and adapt new technologies, and utilise the fruits of science. Business Joensuu facilitates regional innovation ecosystems in forest bioeconomy and photonics, linking them to clusters in the European Union.

12.15

Lunch at Metla House

13.00

Bus transport to Enocell

14.00

Visit to Stora Enso's Enocell pulp mill — sustainable and traceable wood-based fibres for the clothing industry

Global warming is one of the biggest challenges of our time. There is an increasing demand for renewable, recyclable and fossil-free raw materials. Today, almost 70% of the textiles produced in the world are made of oil-based non-renewable materials. Wood fibre is an ecological alternative to the oil-based polyester or environmentally demanding cotton. Stora Enso has been producing raw material for the textile and clothing industry, i.e. dissolving pulp, since 2012 at its Enocell pulp mill. In addition, Stora Enso participates in many research initiatives and partnerships to explore and develop new types of sustainable, man-made fibres out of cellulosic materials.

During the visit, we will see how the renewable wood raw material sourced mainly from a 150 km radius around the mill is turned into raw material for the textile industry. We will also hear how Stora Enso practices and promotes sustainable forestry and works to ensure that more domestic trees are planted than are harvested, supported with controlled seeding by selected mother trees.



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- 23.06 **Train arrives in Helsinki. Bus transport to the hotel or Helsinki Airport**

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)



Ministry of Economic Affairs
and Employment of Finland