

KABI4007 Towards Bio-based Finland (2 ECT) 15-17 April 2019

Organisers: UTU and ÅA (supported by SmartBio Biocity program, NordAqua NCoE, Turku Science Park)

Course venue: 15-16th April SparkUP (Tykistökatu 4), 17th April Smart Chemistry Park (organized transportation to Raisio and back)

Course leaders: Yagut Allahverdiyeva-Rinne (UTU) and Henrik Grenman (ÅA)

Content: The basic concepts of the sustainability, bioeconomy and the circular economy. An overview of current and potential bioeconomy in Finland starting from biomass resources and conversion technologies to national strategies. Invited lectures are given by top experts from different fields. The course includes an excursion to the Smart Chemistry Park, which is South Western Finland's technology innovation park largely devoted to bioeconomy.

Registration via Nettiopsu or Peppi or by sending an email to allahve@utu.fi or henrik.grenman@abo.fi (max 25 students)

Program

15th April, SparkUP

08:30 - 09:15 Henrik Grenman (ÅA) / Yagut Allahverdiyeva-Rinne (UTU) "Introduction to the course and overview of ÅA/UTU activity related to bioeconomy"

09:15 - 10:00 Eva-Mari Aro (UTU) "Sustainability considerations of bioeconomy"

10:00 - 12:00 Maija Pohjakallio (VTT/SITRA) "Bioeconomy in Finland, from policy to practice"

12:00 - 13:00 Lunch

13:00 - 15:00 Jari Hynynen (LUKE) "Finnish forests as a source of biomass – the past, present and future"

15:00 – Q & A

16th April, SparkUP

09:00 - 10:00 Yagut Allahverdiyeva-Rinne (UTU) "Algae as a source of food, feed and chemicals"

10:00 - 11:00 Pauli Kallio (UTU) "Photosynthetic organisms as biocatalysts for the production of chemicals"

11:00 - 12:00 Henrik Grenman (ÅA) "Forest based biorefining"

12:00 - 13:00 Lunch

13:00 -14:00 Kinnunen Viljami (Gasum) "Biogas technology for the waste treatment – development of Topinoja biogas plant as an example"

14:00 – 15:00 Mikko Pohjola (UTU) "Commercializing research in the startup ecosystem of Turku"

17th April

- 08:30 Bus transportation to Raisio
09:00 - 09:30 Opening words and introduction to Smart Chemistry Park
09:30 - 10:30 Sonja Enestam (VALMET) “Biomass for Energy”
10:30 - 11:00 Aino Sivonen (Raisio Group) “From grain to gain”
11:00 - 11:30 Heikki Vuorikoski (Montisera)
11:30 - 12:00 Lari Vähäsalo (CH-Bioforce)
12:00 - 12:45 Lunch at Antell / Raisio cantina
12:45 - 13:15 Visit to CH-Bioforce pilot plant