

SCIENTIFIC DAY - TUESDAY 29TH

Access link: [Microsoft Teams - Main Link 29th](#)

PROGRAM

10:00 – 10:15 Opening words by Annukka Pakarinen, HAMK & Sari Rautio, City of Hämeenlinna

10:15 – 10:35 KEYNOTE: Digitalization enhances data utilization as an asset,
Ilmo Aronen, Head of Digital Services and eCommerce in Lantmännen Agro

10:35 – 11:00 KEYNOTE: The multiple possibilities of bioeconomy – and how to achieve them sustainably?
Sirpa Pietikäinen, Member of the European Parliament

11:00 Abstract session: Digitalization and Carbon Sequestration

Access link: [Microsoft Teams: Digitalizations & Carbon Sequestration](#)

Moderators: **Iivari Kunttu**, Häme University of Applied Sciences – HAMK
Jari Silander, Finnish Environment Institute – SYKE

11:10 – 11:35 PoliRural Project: Digital Innovation Hub as a tool for combination of Rural Policies, **Milla Anttila, HAMK Bio**

11:35 – 12:00 Field observatory creates a community around crop field data handling and interpretation, **Iivari Kunttu, HAMK Smart**

Lunch 45 min

12:50 – 13:15 How to Use AI to Detect Anomalies in the Wastewater Network, [Tuomas Koskinen, Neuroflux](#)

13:15 – 13:40 Towards developing verification tools for carbon sequestration in soils, [Istem Fer, Senior Researcher, Finnish Meteorological Institute](#)

13:40 – 14:05 Combination of agricultural satellite and drone imagery, [Olli Niemitalo, HAMK Smart](#)

Coffee break 10 min

14:15 – 14:40 Atlas of Best Practices – a tool for sharing experiences and interesting examples not only about waste biomass processing, [Dr. Karel Charvát, Czech Center for Science and Society](#)

14:40 – 15:05 Barn 4.0 – continuous monitoring of barn conditions, [Olli Koskela, HAMK Smart](#)

15:05 – 15:30 A practical IoT based tool to monitor and interpret temperature development of silage in Finnish silage bunker, [Gert Hattingh, HAMK Smart](#)

15:30 – 15:40 Abstract sessions: Feedback and conversation

15:40 – 16:05 KEYNOTE: Viral monitoring to prevent hazards along the food chain production: challenges and opportunities, [Fernando Spilki, Feevale University, Brazil](#) (taking place in the main link: [Microsoft Teams - Main Link 29th](#))

11:00 Abstract session: Food Value Chain

Access link: [Microsoft Teams \(Continues in the Main Link\)](#)

Moderators: [Tuomo Tupasela](#), Natural Resources Institute Finland – LUKE
[Fernando Spilki](#), Feevale University, Brazil

11:10 – 11:35 Microbial processing for nutritional enhancement of plant-based products, [Minna Kahala, Natural Resources Institute Finland \(LUKE\)](#)

11:35 – 12:00 Regional bioreactor – efficiency analysis via iterative simulation tool, [Clemens Dempers, Polar Analytics](#)

Lunch 45 min

12:50 – 13:15 Modern food systems' futures – the role of digitalization and technological development, [Titta Tapiola, Natural Resources Institute Finland \(LUKE\)](#)

13:15 – 13:40 Technology-Mediated resilience building for livestock farmers in asals, [Eija Laitinen, HAMK Bio](#)

13:40 – 14:05 Innovate organic agriculture to promote sustainability: A view in the light of the bioeconomy concept and fair trade, [Camila Cidón, University of Feevale](#)

Coffee break 10 min

14:15 – 14:40 Analysis of the biorefineries impact on the Bioeconomy based on sustainable development goals. Avocado residues case in the Colombian context, [Sara Piedrahita Rodríguez, Universidad Nacional de Colombia sede Manizales](#)

14:40 – 15:05 Bio-based solutions to improve the socio-economic context of rural zones in developing countries: The avocado case in Colombia, [Juan Camilo Solarte Toro, Universidad Nacional de Colombia sede Manizales](#)

15:05 – 15:30 Sustainable innovation of microbiome applications in the food system, [Anne Pihlanto, Natural Resources Institute Finland \(LUKE\)](#)

15:30 – 15:40 **Abstract sessions: Feedback and conversation**

15:40 – 16:05 **KEYNOTE:** Viral monitoring to prevent hazards along the food chain production: challenges and opportunities, [Fernando Spilki, Feevale University, Brazil](#) (taking place in the main link: [Microsoft Teams - Main Link 29th](#))

16:05 – 16:15 **Final words and end of the first day**

Circular Economy & Business Day - Wednesday 30th

Access link: [Microsoft Teams - Wed 30th](#)

09:00 – 09:10 Welcome & introduction by Annukka Pakarinen, HAMK

09:10 – 09:40 KEYNOTE: Team Finland funding opportunities for companies, **Tuomo Kauha, Team Finland**

09:40 – 10:10 KEYNOTE: Data and decarbonizing food production, **Ernesto Hartikainen, Biocode**

10:10 – 10:45 KEYNOTE: Collaboration opportunities between research and business, **Pauli Saarenketo, Luke**

10:45 – 11:00 Break

11:00 – 11:30 Intro to Kanta-Häme circular economy roadmap (held in Finnish)

11:30 – 12:30 WORKSHOP: Kanta-Häme circular economy roadmap, Sykli, HAMK & Luke (held in Finnish)

12:30 Final words and end of the final day

**THANK YOU FOR TAKING PART TO THE
OPEN BIOECONOMY WEEK 2020!**

HOPEFULLY WE WILL SEE YOU NEXT YEAR ON
25.-27.5.2021 in Hämeenlinna, Finland!

