

SEPTEMBER 26, 2022 **MONDAY** Reception at the Royal Swedish Embassy in Reykjavik

SEPTEMBER 27, 2022 **TUESDAY**

09:00 - 10:00 Registration and coffee

10:00 - 12:00 Opening ceremony and a plenary session with invited speakers

- ▶ Head of the organising committee and retiring NJF President, Fredrik Fogelberg
- ▶ Head of the NJF Iceland national association, Gudmundur Johannesson
- ▶ Ene Viiard, Technology Centre Food and Fermentation, Estonia
- ▶ Lillian Öygarden, NIBIO, Norway

12:00 - 13:30 Lunch

13:30 - 15:00

Session 1A: Food security and sustainability

▶ Session leader: Jaana Sorvali, LUKE, Finland

Key variables for assessing the resilience of the Finnish food system, Karoliina Rimhanen, LUKE Finland

Farm fires in Finland, Kim O. Kaustell, LUKE Finland

Food Security of Iceland, Johannes Sveinbjörnsson, Agricultural University of Iceland, Iceland

Food Futures - developing pathways for a sustainable Swedish food system, Per-Anders Hansson, SLU, Sweden

Session 1B: Animal husbandry and animal welfare 1

▶ Session leader: Gudmundur Johannesson, RML, Iceland

Digitalising farm animal welfare labels: Review of market requirements and insights from a stakeholder survey, Jarkko K. Niemi, Natural Resources Institute Finland (Luke), Finland

Euthanasia of healthy and non-viable piglets using high-expansion nitrogen foam, Anna Wallenbeck, Swedish University of Agricultural Sciences, Sweden

Controlled atmosphere stunning of pigs using nitrogen, argon and carbon dioxide in high-expansion foam, Cecilia Lindahl, Agriculture and Food, RISE Research Institutes of Sweden, Sweden

Consumers' self-identity and sensitivity to react explaining the intention to buy animal welfare labelled pork, Katriina Heinola, LUKE, Finland

Session 1C: Fertilisation and nutrient management

▶ Session leader: Till Seehusen, NIBIO, Norway

Farmers' views on organic fertilizers today and for use in future, Priscila de Morais Lima SLU, Uppsala, Sweden

Nutrient leaching from Swedish vineyards, Anna Mårtensson, SLU, Sweden

Low valued wool as a resource in agriculture, Kirsty McKinnon, Norwegian Centre for Organic Agriculture, (NORSØK), Norway

15:00 - 15:30 Coffee and refreshments

15:30 - 17:00

Session 2A: Horticultural Crops and Production Systems

▶ Session leader: Fredrik Fogelberg, RISE, Sweden

What must be considered in winter strawberry production under LEDs in Iceland? Christina Stadler, Agricultural University of Iceland, Iceland

To peel or not to peel? Pesticides in fruits and vegetables sold in Iceland, Ásta H Pétursdóttir, Matís, Iceland

The influence of organic and conventional production methods on yield and quality of onions, Ingrid Bender, Estonian Crop Research Institute, Estonia

Chemical fingerprint of wild fruits grown in western Norway: which one is better orange, red, blue or black?, Milica Fotirić Akšić, University of Belgrade, Serbia

Session 2B: Animal husbandry and animal welfare 2

▶ Session leader: Cecilia Lindahl, RISE, Sweden

Discovering, categorising and mapping behaviour of Norwegian sheep by use of GPS collar information, Lise Grøva, NIBIO, Norway

Amazing grazing - sustainable meat and wool from sheep grazing Norwegian rangelands, Lise Grøva, NIBIO, Norway

Floor cooling for growing finishing pigs – improvement of pig welfare, health, production and indoor environment, Cecilia Hagberg, Research Institutes of Sweden, Sweden

Towards Sustainable Development Goals – Environmental sustainability criteria and indicators in Finnish dairy, meat processing and bakery sectors, Anu Reinikainen, LUKE, Finland

Session 2C: Forage crops and grazing

▶ Session leader: Gudmundur Johannesson, RML, Iceland

Botanical resources offer new methods for the selection of potential novel forage legumes in Nordic countries, Brooke Micke, Swedish University of Agricultural Sciences, Sweden

Evaluation of yellow and hybrid lucerne as forage crops for northern latitudes, David Parsons, Swedish University of Agricultural Sciences, Sweden.

SustAnimal Grazing Living Lab – a case study on grazing management among dairy farms in Northern Sweden, Anna-Karin Karlsson, RISE, Sweden

Nordic silage production development by remote sensing, crop growth models, and artificial intelligence in CyberGrass I project, Oiva Niemeläinen, Natural Resources Institute (LUKE) Finland

17:00 - 18:30 Poster presentations. Posters will be available until lunch on Sept 29th.

19:00 Light dinner buffet

SEPTEMBER 28, 2022

WEDNESDAY

09:00 - 10:30	Session 3A: Plant-based Foods session ▶ Session leader: Ene Viiard, TFTAK, Estonia Saponins: bitter-astringent off-taste and antinutrient molecules in emerging plant-based foods , Anastassia Bljakhina, Center of Food and Fermentation Technologies (TFTAK); Tallinn University of Technology, Estonia Characterization of techno-functional and sensory properties of commercial plant-based protein powders for meat and dairy alternatives , Kadi Jakobson, Tallinn University of Technology, Estonia From laboratory to industry – some aspects on going industrial in production of plant based dairy products , Fredrik Fogelberg, RISE, Sweden Barriers and enabling factors of food production without fields , Jarkko Niemi, LUKE, Finland	Session 3B: Agricultural Production 1 ▶ Session leader: Anna Mårtensson, SLU, Sweden Benefits and tradeoffs of intercropping cereals and legumes during drought , Iman Raj Chongtham, SLU, Sweden The introduction of legume-supported crop rotations: An impact assessment on cereal cropping systems in Finland , Domna Tzemi, LUKE, Finland The potential of laboratory-selected local rhizobium strains to increase the productivity of new pea cultivars at the field conditions , Skaidre Suproniene, Lithuanian Research Centre for Agriculture and Forestry, Lithuania	Session 3C: Soil and Soil Health ▶ Session leader: Lillian Öygarden, NIBIO, Norway Farmers' opinions on reducing greenhouse gas emissions on cultivated peat soils and paludiculture implementation in Finland , Elina Virkkunen, LUKE, Finland Identification of organic soils using large-scale soil maps , Aldis Karklins, Latvia University of Life Sciences and Technologies, Latvia Possibilities for amelioration of subsoil compaction - experience from Norwegian field studies , Till Seehusen, NIBIO, Norway Soil organic matter content not influenced by renewal rate after 48 years of grassland experiment , Åsmund Mikalsen Kvifte, NIBIO, Norway Expected and measured long-term changes in soil total nitrogen content , Franziska Katharina Fischer, Norwegian Institute of Bioeconomy Research, Norway
10:30 - 11:00	Coffee and refreshments		
11:00 - 12:30	Session 4A: Agricultural engineering session ▶ Session leader: Alastair James Ward, Aarhus University, Denmark Novel and simple methods to measure spray drift from crops sprayers , Nils Bjugstad, Norwegian university of life sciences, Norway Using the Sustainability Monitoring and Assessment Routine (SMART) for the Cross-Case Sustainability Analysis of Sheep Farming in Norway , Narta Elshani, NMBU, Norway. Utilization of digestate solids as feedstock for biochar production , Priscila de Moraes Lima, SLU, Sweden Self-driving, electric tractors leads to lower weight, better economy and lower environmental impacts , Oscar Lagnelöv, Swedish University of Agricultural Sciences, Sweden Ensiling of straw as a pretreatment and storage method for biogas production , Alastair James Ward, Aarhus University, Denmark	Session 4B: Agricultural Production 2 ▶ Session leader: Anna Mårtensson, SLU, Sweden Ancient wheat in Nordic conditions , Reine Koppel, ECRI, Estonia Potato late blight in changing climate , Mati Koppel, Estonian University of Life Sciences, Estonia The perspectives of new legume crops to implement climate change mitigation and adaptation in North-East Europe , Monika Toleikienė, Lithuanian Research Centre for Agriculture and Forestry, Lithuania Buckwheat – potential for biodiversity and consumption in Norden , Martin Knicky & Fredrik Fogelberg, RISE, Sweden	Session 4C: Economy and society ▶ Session leader: Jaana Sorvali, LUKE, Finland Facing data issues in measuring bioeconomy in EU from Latvia's perspective , Vineta Tetere, Latvia University of Life Sciences and Technologies, Latvia New models to support unemployed people in rural enterprises using Green Care , Maija Lipponen, Natural Resources Institute Finland, Finland The cultural landscape of Latvia and the search for balance with agrotechnological processes , Aija Ziemeļniece, Latvia University of Life Sciences and Technologies, Latvia Future of the family farming – perceptions from Finnish farmers , Leena Rantamäki-Lahtinen, University of Helsinki, Finland
12:30 - 13:30	Lunch		
13:30 - 18:00	Excursions		
18:00	Latest return to Selfoss		
19:00 - 22:00	Gala dinner at Hotel Selfoss		

SEPTEMBER 29, 2022

THURSDAY

09:00 - 10:30	Session 5A: Novel Crops for Nordic conditions ▶ Session leader: Fredrik Fogelberg, RISE, Sweden Participatory project design to introduce a new crop in Sweden , Iris Dahlin, SLU, Sweden Cultivation of vegetable soybeans under Nordic conditions , Anna Mårtensson, SLU, Sweden New opportunities for novel crops in the cereal producing areas of Norway , Chloé Grieu, Norwegian Institute of Bioeconomy Research, Norway Organic soybean and lupin production in Sweden – which cultivars, crop traits and management options are most suitable? , James Ajal, SLU, Sweden	Session 5B: Climate and climate change ▶ Session leader: Till Seehusen, NIBIO, Norway Carbon dioxide emissions from compacted cultivated peat soil in Sweden , Örjan Berglund, Swedish University of Agricultural Sciences, Sweden Ammonia, methane, and nitrous oxide emissions from laying hen manure , Kristina Mjöfors, Research Institutes of Sweden Responses of peat amended with increasing amounts of till or shell sand to a variable climate , Åsmund Mikalsen Kvifte, NIBIO, Norway Climate change opportunities reduce farmers' risk perception: Extension of the value-belief-norm theory in the context of Finnish agriculture , Jaana Sorvali, LUKE, Finland	Session 5C: Speed-dating for new project partnerships
10:30 - 11:00	Coffee and refreshments		
11:00 - 12:00	Panel discussion on future agricultures ▶ Minister of Agriculture of Iceland, Svandís Svavarsdóttir, Iceland ▶ Dr Ene Viiard, Technology Centre Food and Fermentation, Estonia ▶ Professor Jarkko Niemi (New NJF president) ▶ Professor Ragnheidur Thorarinsdottir, Rector of the Agricultural University of Iceland		
12:00 - 12:15	Concluding comments and questions		
12:15 - 12:30	The inauguration of the new NJF president		
12:30 - 14:00	Lunch and official farewell		