Nordic Association of Agricultural Science

NJF Newsletter shares information about agricultural A sciences in the Nordic and Baltic countries.

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Visit NJF website: https://nordicagriculture.eu/

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NEWS FROM THE PRESIDENT

In December, the board of NJF had a meeting, where several questions relating to the future of NJF were discussed. The board decided to revise the statutes of NJF. In practice the revision implements decisions that have been done earlier to streamline the structure of NJF. The biggest change in the statutes is that instead of sections we will for now on have working groups, which are more flexible and more target-oriented that the former sections. Each working group will have an aim that is typically related to organizing conferences or other activities for our members. The working groups will be established in the next board meeting.

The board also approved the work plan and budget of NJF. Organizing *international* conferences and events is the key activity of NJF. While online events are gaining popularity, it is important to have also live events. The board has decided to centrally promote the organization of two in-person conferences in Autumn 2024. In addition, we welcome the members to organize other events either online or in person. Live events are important for NJF because they enable close interaction and international knowledge exchange in a stimulating environment. Conferences are also an important way to serve our members. So please stay tuned for conference updates!

I'm happy that the publishing activity of Acta Agriculturae Scandinavica has increased during the past year. I hope that the members of NJF continue publishing actively in Acta also next year.

Thank you for your contribution to agricultural science in 2023 and a Happy New Year 2024!

Jarkko Niemi, President of NJF

Picture: Elisa / Pixabay.

A MESSAGE FROM THE SECRETARY GENERAL

Hallo NJF folk ©

This is the second edition of NJF newsletter. The newsletter is becoming a much-awaited appointment for NJF members. Since our first edition, a number of conferences and events have taken place. NJF's Board has also held a meeting on the 5th of December.

After the Board meeting in December, an international in-presence seminar on sustainable food systems in climate change environment took place in the premises of <u>Kost Studio</u> in Copenhagen. Kost Studio is a food development studio which helps

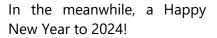
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to bring food innovations and technologies to the market. They act as a bridge between academic institutions and companies and their aim is to pave the way for a more sustainable food system.

The seminar was held in an interactive mode and the event gave place to an interesting discussion on the future of food and of the food system, on how we can we encourage systematic change for a more sustainable food systems and what roles should researchers, food producers, business developers and public and private institutions play. We wish that more seminars like this could take place in the future!

Besides this seminar, several online conferences have taken place during the past months and several

virtual and in-person conferences are being planned for year 2024. You can read more about these events in this newsletter.



Silvia Gaiani, Secretary General

NJF NEWS - New board elected for NJF Finland

NJF Finland has a new board, elected in June 2023 at the association's annual meeting. Here is an introduction of the members of the board.

Riikka Keskinen is a soil scientist working at the Natural Resources Institute Finland (Luke) in Jokioinen. Her research is focused on the fertility and functionality of agricultural soils with special interest in soil chemistry, plant nutrition and fertilizer use. Environmental aspects, soil pollution and monitoring are likewise included in her work and in recent studies more attention has been directed also on soil structural properties. Riikka likes carrying out detailed laboratory experiments but equally enjoys sampling on a catchment area scale. Her free time is mainly spent with a pack of whippets.

Antti Lajunen is currently working as an Associate Professor in Agricultural Engineering at the University of Helsinki, Finland. He received a M.Sc. degree in Mechanical Engineering from Helsinki University of Technology by studying Automotive Engineering. After graduation, he lived in Paris, France and received the Master of Advanced Studies degree in Industrial Engineering from Ecole Centrale Paris (ECP) in 2007. He received his D.Sc. degree in 2014 from Aalto University, Finland, focusing on the electrification of heavy vehicles and off-road His main research machinery. interests are electrification of agricultural vehicles and machinery, robotics and automation in agriculture, and highfidelity modelling of off-road vehicles. Currently, he is leading research projects that focus on using unmanned aerial vehicles for crop monitoring, virtual simulation methods developing for agricultural robot operations, and collecting and using soil and crop data for farming decision making.

Johanna Leppälä is the newly appointed chairperson of NJF Finland and she works as a senior scientist at the Natural Resources Institute Finland (Luke) in Rovaniemi. Her primary research focus lies in enhancing and diversifying field crop production in northern regions. With a career devoted to the study of plants, her journey led her to Luke three years ago, following her position as an assistant professor at Umeå University in Sweden, where her research focused into plant evolutionary genetics. Even during her free time Johanna thrives in her garden among plants or during winter indoors painting and crafting.

<u>Katja Martikainen</u> is a board member of NJF Finland and animal section. Her background is in animal science, with a focus on animal breeding and genetics. Katja completed her PhD in 2020, studying the effects of inbreeding on fertility and production traits in dairy cattle.

Currently Katja works as a university lecturer in the Department of Agricultural Sciences at the University of Helsinki. In addition to teaching, her research continues to focus on inbreeding and genetic diversity in dairy cattle and pigs. She is also involved in various studies related to animal breeding through the theses she supervises. As an educator, her particular interest in NJF lies in integrating students into the scientific community and encouraging them to share their research findings. Katja believes that NJF conferences and other events provide excellent opportunities for achieving this goal.

<u>Minna Väre</u> works as a senior scientist at the Natural Resources Institute Finland (Luke). She is specialized in farm management and decision-making. Currently,



Minna is contributing to research on agricultural finance, organic agriculture and animal welfare issues.

PEOPLE IN FOCUS: PROFESSOR JARKKO NIEMI

I am the President of the Nordic Association of Agricultural Science and an agricultural economist and a Research Professor at Natural Resources Institute Finland (Luke). My research focuses on economics of animal health and welfare, and more broadly on economics of sustainable animal production from both farmers' and consumers' perspective. I'm currently involved in several EUfunded projects around these themes. In addition, I'm studying studies the potential of new farming technologies such as vertical farming and cellular agriculture in the Nordic context as well as sustainability of agricultural value chains in Africa. I'm also leading a new Digi4Live Horizon project on data and digital technologies in animal tracing. This project is expected to generate an activity for NJF too.



Jarkko Niemi is the President of the Nordic Association of Agricultural Science and a Research Professor at Natural Resources Institute Finland (Luke).

How long have you been a member of NJF?

I joined NJF about 20 years ago. It was a few months before NJF's congress was organized in Turku, Finland. It was one of the first scientific conferences I had ever attended and therefore a very memorable event for me.

What is the added value of being part of NJF?

NJF is a platform for networking and knowledge exchange between experts of agriculture in its eight member countries. In the current world it is important to establish new international professional networks and cherish existing ones. The purpose of NJF is to bring together scientists and other experts of agriculture from the Nordic and Baltic countries. In addition, NJF brings up the perspectives of Northern European agriculture.

How do you see the future of agricultural science and NJF?

The demand for expertise in agricultural sciences exists also in the future. Agriculture is needed to produce food, energy and fiber to humans. Agricultural sciences will have a key role when society is tackling with important challenges such climate change and how to feed the world in a sustainable manner. As Nordic and Baltic countries have similarities in farming conditions and agricultural challenges, NJF can help in forming the Northern European vision.

What makes you happy?

I like when I see people succeeding in their work, for example in getting new projects, making interesting research findings or publishing good articles. It also makes me happy when conferences receive positive feedback.

PAST CONFERENCES

International Continued Scientific Conference "Environmental sustainability in a climate change context: challenges and adaptation", 4th section: "The Effect and Control of Environmental Pollution", December 7th, 2023, on-line.

The conference was organized by the Lithuanian Society of NJF. This conference deals with the scientific concepts that underpin modern technologies and how innovations can be exploited for the development of sustainable soil management.

<u>The 4th section</u> was the last session of the conference. Presentations examined the accumulation of heavy metals in acid soil and uptake by plant species with phytoremediation potential, remediation of soil polluted with petroleum hydrocarbons. Examples of mitigation measures in Norwegian agricultural catchments to reduce soil erosion and sediments and nutrients losses to surface water were also presented. One of the talks focused on deep tech innovations for marine oil spills clean-up.

NJF seminar "Sustainable food systems in a climate-changing environment", December 5th, 2023, Copenhagen, Denmark

An international in-person seminar on sustainable food systems in climate change environment took place in December in Copenhagen. The seminar was organised as a discussion forum. The speakers were:

- Asmus Gamdrup Jensen, food historian at Kost Studio, Denmark,
- Jarkko Niemi, President of the Nordic Association of Agricultural Science and Professor in Economics of Sustainable Animal Production at Natural Resources Institute Finland (Luke), Finland
- Mickey Gjerris, Associate Professor in Bio-ethics at the University of Copenhagen, Denmark
- Nima Sophia Tisdall, CEO of Nordic Makers, Founder of Blue Lobster and GUDP Board Member of the Danish Ministry for Food, Agriculture and Fisheries, Denmark.

The seminar gave place to an interesting discussion on the future of food and of the food system, on how we can we encourage systematic change for a more sustainable food systems and what roles should researchers, food producers, business developers and public-private institutions play.

Plant protection in changing conditions, November 24th, 2023, Estonian University of Life Sciences and Estonian Plant Protection Society

Presentations of officials of the Estonian Ministry of Regional Affairs and Agriculture covered aspects of political directions and changes in the legislation.

There have been long discussions about the proposed project of EU Regulation on the Sustainable Use of Pesticides. The negotiations have progressed slowly due to different views of the parties involved. Planned changes in the Estonian Plant Protection Act and organization of advisory service will take place from the beginning of 2024.



Photo: Pixabay

Farmers' presentations gave information about the new and emerging plant pests and diseases and application of biocontrol in the greenhouse production.

Researchers introduced the ongoing studies on selection and use of biological control agents for control of plant diseases and application of RNAi technology for control of pests in oilseed rape. Innovative tools for monitoring, prognosis and control of pests and diseases developed or used in frames of IPM thematic network Smart Protect introduces new sustainable possibilities. The presentations are <u>available online (in Estonian).</u>

Annual seminar on potato production, November 28th, 2023, Estonian Centre of Rural Research and Knowledge

Presentations about the results of variety comparison trials and seed potato production characterised the varieties and gave information about their availability. Potato acreage in Estonia is slightly over 3000 hectares, whereas the seed potatoes are produced from 58 varieties. The wide range of available varieties makes the selection of good variety really complicated for the growers.

Presentations about the views and problems of potato growers were traditionally included in the seminar programme. Potato growers were delighted about high yields in the current season.

As wireworm damages are an increasing problem not only in Estonia, but in the whole Europe, the results of recently ended project about the spread and control of these pest were covered in two presentations. The use of more intensive soil tillage practices is currently the most effective way of controlling wireworm populations.

All participants from the seminar had the possibility to take part to the testing of some traditional and new varieties from the local potato breeder.

The presentations are <u>available online</u> (in Estonian).



9th International Scientific Conference: Trends in regional development in the EU countries, October 20th, 2023, online conference.

This one-day online conference was organized in collaboration between Latvian and Polish research organizations. The <u>programme</u> included a series of oral presentations and a poster session with 28 posters. The presentations examined economic and policy issues related to either agriculture or rural areas. Questions related to education were also considered in the conference.

XIV Soil conference: The voice of the soil, December 5th, 2023, Estonian University of Life Sciences and Estonian Soil Research Society

The conference started with the presentation about the new Soil Monitoring and Resilience Directive and directions in soil politics. It was followed with the overview about the status of Estonian soils in the light of the directive. The problematic areas are soil erosion, acidic soils and phosphorus surplus in the soil. A separate presentation was dedicated to the increasing soil contamination with the plastic residues.

Traditionally Estonian Soil Research Society nominates the Soil of the Year in the conference. The Soil 2024 is Mollic Gleysol, that is a fertile soil with characteristic gleyic color pattern in result of long saturation with groundwater. Mollic Gleysols are covering 13% of Estonian territory.

Balance of carbon and plant nutrients, the level of used agrotechnology, yield, quality and profitability of produced crop are considered in the nomination. The nominated Soil Friend Ants-Endel Sõrra was best in yield competition in categories of winter rye and faba bean production. The presentations are available online (in Estonian).



UPCOMING CONFERENCES AND CALLS IN NORDIC-BALTIC COUNTRIES AND BEYOND

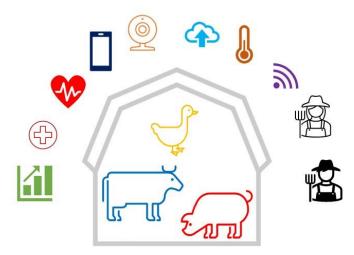
Participate as a speaker in NJF's online conference. The economy working group of NJF is organizing a monthly international multidisciplinary continuous on-line conference "Challengers of Economics, Education and Society Development in the Nordic – Baltic Countries and beyond". Separate webinars of this conference take place via Microsoft Teams **every first Wednesday of each month** from 13:00 until 14:30 EET (from 12:00 until 13:30 CET). The schedule of each seminar includes two 15-20 minutes' presentations with possibility for 20 minutes' discussion after each of them.



Picture: Pixabay / Alexandra Koch

Researchers and PhD and master's students from Nordic and Baltic countries and all over the world are invited to participate as speakers. Those who would like to participate as speakers are invited to prepare an abstract of their presentation and to register for participation at their most suitable date by fulfilling the online registration form. Alternatively, the title of presentation, name of speaker and co-author(s), annotation and keywords of presentation can be sent via email to the coordinator of this activity, Linas Stabingis (linas.stabingis@gmail.com). The programme of upcoming seminars and other information is available at the NJF website.

Precision Livestock Farming (PLF) workshop, April 25-26th, 2024, Helsinki, Finland



The PLF workshop is a multidisciplinary two-day seminar with an equal focus on presentation and discussion of ongoing research within the PLF field as well as networking between the participants. The workshop seminar aims at sharing ongoing and future research with each other, with a focus on the discussion of methodology and the problems you encounter. As such, the event aims at building a valuable network in an informal and inclusive setting. The workshop will be organized by NJF and Natural Institute Finland Resources (Luke). **Further** information.

Upcoming: Two NJF conferences in Autumn 2024.

Two multidisciplinary conferences are currently planned for Autumn 2024. Calls for abstracts will be announced during the first half of



2024 at the NJF website. Stay tuned for more information.

2024 International Continued Scientific Conference "Environmental sustainability in a climate change context: challenges and adaptation"

In 2023, the conference was organized by the Lithuanian Society of NJF. This conference deals with the scientific concepts that underpin modern technologies and how innovations can be exploited for the development of sustainable soil management.

There were 4 sections: "The challenge of sustainable agricultural soil management practices under climate change"; "Carbon and nutrient cycling management: impacts of agricultural activities"; "Factors affecting environment pollution: causes, effects and control"; "The Effect and Control of Environmental Pollution". All these sections covered all the major and minor topics which help in finding solutions for environmental problems such a climate change, toxic contamination of the land, ecosystem destruction, air and water pollution and all forms of environmental degradation that we need to learn more about and act to reduce.

For the 2024 edition of the conference, please follow NJF's webpage! For queries, please contact:

danute.karcauskiene@lammc.lt, ieva.mockeviciene@lammc.lt or agne.versuliene@lammc.lt.

Finnish Agricultural Science Days 2024, 10-11th of January 2024, Helsinki, Finland.

The programme includes a plenary session nine parallel sessions and an extensive poster session. <u>Further information</u>.

18th International European Forum (Igls-forum) (186th EAAE seminar) on System Dynamics and Innovation in Food Networks, February 12th-16th, 2024, Garmisch-Partenkirchen, Germany.

A joint initiative by agri-food groups of leading European and international universities and business schools providing a discussion platform for the European and international scientific community. The forum will feature presentations and discussions in a mountain venue that fosters exchange, creativity and the development of new ideas for innovative and interdisciplinary research. <u>Further information</u>.

4th International Scientific Conference "Sustainable Bio-economy Development 2024: Theory and Practice", May 8th, 2024, online.

The upcoming conference is crafted to foster vibrant discussions and cooperative exploration. The conference is dedicated to social sciences in the bioeconomy field. It will encompass a rich array of themes, including the role of policy and public investments in advancing bio- economy research, the dynamics of consumer and producer behaviour in the face of climate change, innovative business and regional models promoting a circular bio-economy, and strategies to expedite bio-economic growth through investment and financing decisions.

This event will provide an influential platform for delving into innovative research findings, evolving policy landscapes, and industry trends shaping the trajectory of global bio-economy. The conference will feature a dedicated forum addressing "Territorial Circular Systemic Solutions for Sustainable Bioeconomy Development" providing a platform for indepth discussions and collaborative exploration of innovative strategies. <u>Further information</u>.

30th European Grassland Federation General Meeting: Why grasslands? Leeuwarden, The Netherlands, 9th-13th of June 2024

Further information.

32nd International Conference of Agricultural Economists (ICAE), "Transformation Towards Sustainable Agri-Food Systems", August 2nd-7th, 2024, New Delhi, India

ICAE 2024 will address urgent questions on how to make agri-food food systems more sustainable with a particular focus on the important role of agricultural economists in facing these interdisciplinary challenges. The conference will feature invited and contributed papers and sessions on topics such as healthy and sustainable diets, technological and institutional innovations, agroecology, gender roles and social equity in agri-food systems, environmental and social externalities of value chains, the true cost of food, and bioeconomy, among others.

The organizers invite submissions for contributed papers (full paper), contributed posters (abstract), organized symposia (symposium overview) and preconference workshops (workshop overview). All submissions will be due on the 15th of January 2024 via the online submission system. Submissions for the IAAE 2024 Carl K. Eicher Award for the best dissertation on agricultural economics problems in Africa are also invited. <u>Further information</u>.

European Federation of Animal Science Monthly webinar (various topics).

Further information.

75th Annual Meeting of European Federation of Animal Science (EAAP), Florence, Italy, September 1st – 4th, 2024.

Further information.

International scientific conference Scientific "Actualities and Innovations in Horticulture SAIH2024", organized by the Institute of Horticulture, Lithuanian Research Centre for Agriculture and Forestry and Nordic Association of Agricultural Science, September 16-18, 2024. Conference center, Kaunas, Lithuania.

Follow the updated information on the NJF website from the beginning of next year!

NEW PROJECTS AND PROJECT NEWS

Breeding program to eradicate scrapie in Icelandic sheep



Photo: Pixabay

Iceland has implemented a breeding program to eradicate scrapie in the Icelandic sheep. Scrapie was first detected in Iceland in 1878 and since then it has been tried to eradicate it by herd replacements, that is culling all the herds in which it was detected and repopulating the farm. Iceland has a very strict regulation concerning animal health and welfare, forbidding all importation of live animals and breeding material such as semen and embryos. The country is split up to quarantine or protection zones which are geographical areas with mandatory monitoring all movement of animals between zones which are also forbidden in several cases. Zones where scrapie has been detected have been isolated. All movement of animals to and from and within that zone are forbidden for 20-year period after last scrapie detection incident. All animals that cross zone lines without authorization are culled.

Though scrapie is not often detected in Iceland, this has been costly, both for the state compensating the farmers and for the farmers to see years of breeding effort to vanish in a moment.

In 2021 the ARR haplotype was detected in Icelandic sheep on one farm. Until then it was believed that this haplotype was not carried by Icelandic sheep. In sheep, susceptibility to scrapie is mainly determined by codons 136, 154, and 171 of the PRNP gene. Five haplotypes are usually present (ARR, ARQ, ARH, AHQ, and VRQ). The ARR haplotype confers the greatest resistance to classical scrapie while VRQ renders animals most susceptible. Therefore, a breeding program that promotes the selection of ARR haplotype while reducing the incidence of VRQ has been implemented in Iceland. The breeding program consists of selecting young rams bearing the ARR haplotype for artificial insemination. To prevent inbreeding each ram will only be used for one breeding season. Those rams will be widely used, with the emphasis on scrapie zones at first.

The aim is to increase the frequency of the ARR haplotype, and other haplotypes with scrapie resistance, so that 75% of the total sheep population will be scrapie resistant in 2028, and in 2042 the whole population will be scrapie resistant. This will result in a completely different situation where scrapie will be eradicated in Iceland after a more than 150-year battle against it.

NEWS FROM ACTA AGRICULTURAE SCANDINAVICA

A special issue based on the 27th NJF congress

A special issue of Acta Agriculturae Scandinavica was initiated by the board of NJF after the congress. Some of the conference presentations are included in the list of publications below. If you would like to submit your manuscript to the special issue, please contact jarkko.niemi@luke.fi.

Recently published articles of Acta

Support Nordic-Baltic agricultural scientific community by publishing your research in Acta!

What must be considered in winter strawberry production under LEDs in Iceland?

<u>Chemical composition and herbicidal activity of</u> <u>Oregano (Origanum onites) essential oil on weeds</u> <u>and wheat.</u>

Prioritising key variables for assessing food system resilience in Finland

Double cropping as an adaptation mechanism to climate change patterns in the Carpathian Basin

Production and nutrient composition of forage legume fractions produced by juicing and leaf stripping

Temporal dynamics of pesticide use in three field vegetable crops with respect to sowing date and degree days

Watershed management intervention on land use land cover change and food security improvement among smallholder farmers in Qarsa Woreda, East Hararge zone, Ethiopia

Environmental parameters and management as factors affecting greenhouse gas emissions from clay soil

Rumen size of sheep: difference between a modern and a native Norwegian sheep breed

How low can you go? Broiler breast muscle possesses a mitochondrial content of just 2%

<u>Triggering elements for adoption of Hybrid Napier in</u> <u>crop-livestock system of semi-arid tropical regions of</u> <u>India: evidence from Tamil Nadu</u> Exploring genetic polymorphisms and transcript levels of antioxidant and metabolic markers for prediction and monitoring diarrhea in Holstein dairy calves

Evaluation of the performance, carcass characteristics and meat quality of Hararghe-highland sheep drinking lake Basaka water with varying salinity levels at Haramaya university, Ethiopia

The impact of curcumin nanoparticles (CurNPs) on growth performance, antioxidant indices, blood biochemistry, gut morphology and cecal microbial profile of broiler chickens

Effects of daytime or night-time grazing on animal performance, diurnal behaviour and enteric methane emissions from dairy cows at high latitudes

<u>The nutritive value of Panicum maximum and,</u> <u>Brachiaria brizantha grass species</u>

Variation in the number of thoracolumbar vertebrae in Suffolk lambs and its effect on the weight and zoometric measurements of the carcass

Effects of proportion and digestibility of grass-clover silage on milk protein, mineral and fatty acid compositions in Danish Holstein cows

<u>Labour in suckler cow herds – a study on enterprises</u> in southern Sweden

Effects of flood on livestock and challenges faced by livestock farmers in South India

Effects of early social mixing and genetic line on female piglet activity, pen location and social interactions pre- and post-weaning under Swedish commercial pig production conditions

Insights from the early generations of the Swedish rainbow trout (Oncorhynchus mykiss) breeding program

OPEN JOB POSITIONS

If you would like to announce a position in future newsletters, please inform NJF secretariat about the job advertisement or website where your open jobs are announced.



Picture: Pixabay

Open positions at University of Helsinki:

- Doctoral Researcher in Forest Business
 <u>Economics</u>
- <u>Staff Scientist (University Researcher) for eLTER</u> related work at the SMEAR II
- <u>Staff Scientist (University Researcher) for eLTER</u> and AnaEE related work at the SMEAR-Agri
- <u>Postdoctoral Researcher / University Researcher</u> in Sustainability Assessment of Food Systems
- <u>Assistant / Associate Professor in Innovation</u> <u>Management in Renewable Natural Resource</u> <u>Business</u>
- <u>Assistant / Associate Professor in Laser Scanning</u> in Management of Renewable Natural Resources
- <u>Assistant / Associate Professor in Distributed</u> <u>Artificial Intelligence in Agriculture</u>
- <u>Postdoctoral Researchers in Environmental and</u> resource economics

Open positions at the Swedish University of Agricultural Sciences (non-exhaustive list):

- Postdoc, Department of Crop Production Ecology
- Postdoctoral position, Evolution of floral microbiomes
- PhD student position in Economics
- PhD position in agricultural and food economics
- Postdoc Plant Developmental Biology
- Researcher position at the department of forest resource management, division of forest
- PhD student in soil science, with focus on cadmium in recycled nutrient sources on arable land
- Reindeer husbandry
- PhD position, subject area biology, emphasis chemical ecology.

- Postdoctoral position in the synthesis of big ecological data
- Doctoral student in the subject of animal science
- Postdoc position in genomic selection for wheat
- Postdoc position in genomic selection for faba bean
- Postdoctoral position in Plant Health in Relation to Microbial Influence
- Postdoc on developing genomic resources for a newly domesticated crop
- Postdoc in plant-insect interaction
- Senior lecturer/Associate professor in plant pathology, with specialization in agricultural crops

Open positions at Research institutes of Sweden

Open positions at Natural Resources Institute Finland (Luke)

Open positions at the University of Copenhagen

- Tenure-track Assistant Professor or Associate Professor in Sustainable Food Process Design
- Tenure-track Assistant Professor in Agrohydrology and Biophysical Modelling
- Tenure-track Assistant Professor in Business, Rural Livelihoods, and Governance
- Postdoc in the chemistry of oat-Fusarium interactions
- Postdoc in carbon sequestration potential of different tillage and cover crop strategies
- Postdoc in Agroecology

Open positions at Aarhus University

- Tenure Track Assistant Professor or Associate Professor in Agri-food System and Landscape Transition
- Tenure Track Assistant Professor in Mixed Arablelivestock Production Systems
- Professor in Life Cycle Assessments of Agriculture and Food Systems
- Postdoc in advancing the use of bioactive forages to reduce the climate impact of ruminants
- 2-year postdoc in AI and remote sensing for citizen-science pollinator monitoring
- Tenure track assistant professor/associate professor in Carbohydrate nutrition in health and disease prevention of monogastrics

• Associate Professor of Biostatistics

Open positions at Norwegian Institute of Bioeconomy Research

- PhD Fellow within Greenhouse Technology
- Researcher Quantitative genetics

Open positions at Norwegian University of Life Sciences

- PhD fellow within root health biology
- PhD scholarship within Environmental Microbiology
- Postdoctor/Researcher within Environmental Microbiology
- PhD scholarship in oat genomics

Open positions at Agricultural University of Iceland

Open positions at Latvia University of Life Sciences and Technologies

• Rector

Open positions at Estonian University of Life Sciences

Trainee, Pellervo Economic Research PTT

<u>Research Assistant</u>, Forest management and silviculture, Free University of Bozen, Italy

<u>Manager of Administration & Corporate</u>, The International Food Policy Research Institute (IFPRI)

Post-Doctoral Job in Economics of Sustainable Agri-Food Systems, University of Göttingen, Germany