Nordic Association of Agriculture Science (NJF)
Continuous international scientific conference
"Challengers of Economics, Education and Society Development in the Nordic – Baltic Countries and beyond" organised by Section of Economy, Education and Society
Programme for the virtual seminar on May 5th, 2021 (Wednesday)
12:00 to 13:30 Central European time (13:00 to 14:30 Eastern European time)
Web address: https://ac.vdu.lt/vk1

Presentation 1

Title: **Disseminating Innovative Solutions for Antibiotic Resistance Management**

Speaker: **Sandija Zēverte-Rivža**, Dr.oec. Latvia University of Life Sciences and Technologies

Annotation: DISARM is a collaboration between farmers, veterinarians, advisory services, academics and industry to disseminate innovative solutions for antibiotic resistance management in livestock production to alleviate the threat of antibiotic resistance. The network will exchange innovative approaches between industries and countries to share best practice across the whole livestock sector. It is a three-year project which launched in January 2019 and is funded by the EU Horizon 2020 research and innovation programme.

Aims and Objectives. The DISARM group aims to bring people together to discuss and share best practices to promote and sustain responsible use of antibiotics. Any solutions must be effective, practical to use on commercial farms, maintain or improve animal welfare, and carry a cost-benefit to sustain farm economic performance. DISARM project will:

Promote best practices in livestock farming which can reduce the need for antibiotic use by focusing on, for example, biosecurity, breeding for resilience and animal health, alternative treatment options and targeted use of antibiotics.

Share information across farming sectors, species and countries. This will involve running events and workshops to connect livestock farmers, farm advisors and veterinarians with farmers who have adopted innovative approaches to reducing antibiotic resistance.

Establish a community of people with an interest in reducing antibiotic resistance in livestock farming. This network will discuss research findings and best practices to reduce the need for antibiotic use whilst protecting farm economic performance and animal welfare. Members will share ideas, innovative solutions, review practices and problems, and learn from the experiences and knowledge of others.

Provide information resources on best practices, management strategies and new technologies to ultimately reduce antibiotic resistance. This includes development of practical farm health plans based on input from farmers, advisors and veterinarians involved at the farm level.

Guide and support further research and innovation work on reducing antibiotic resistance on farms to develop practical solutions which do not compromise animal welfare or farm performance and profitability.

And ensure the project's momentum is sustained by leaving platforms and programmes in place to keep the community interacting and driving the initiative forward.

Presentation 2

Title: **Climate Care Cattle Farming systems: social-economic perspective**

Speaker: **Kaspars Naglis-Liepa**, Dr .oec. ass.professor, Latvia University of Life Sciences and Technologies

Annotation: The presentation will briefly tell about the Climate Care Cattle Farming Systems project. The project aims to introduce improved agricultural practices on farms with the aim of reducing GHG and Ammonia emissions, while taking into account socio-economic conditions. The data acquisition and experimentation phase is currently underway, so it is too early to talk about the results. At the same time, from the socio-economic perspective, some important conclusions can be identified based on the interviews conducted.