

A Portable Dry Film FTIR System for Industrial Applications

Within the DigiFoods consortium, PhD student Bijay Kafle (Nofima), in collaboration with SINTEF, has developed *Bumble Bee*, a portable dry film FTIR spectroscopy system for rapid protein characterization in food processing.

The system enables at-line analysis of protein quality, including molecular weight distribution and collagen content, and has been successfully tested at Bioco's enzymatic hydrolysis facility. It detects chemical differences in protein samples and supports quality and safety assessments.

While further field testing is ongoing, preliminary studies also indicate potential applications in milk shelf-life prediction, cow health monitoring, and cell culture fermentation processes.

[Find the publication](#)





"Skogen är digital" – Mistra Digital Forests final conference 2026

After eight years of research and collaboration, it is time for Mistra Digital Forest's final conference. On November 18, researchers, companies, and other stakeholders will gather in Stockholm to share the program's results and experiences regarding the opportunities of digitalization in the forest sector. The day offers presentations and networking for everyone with an interest in forest research, digitalization and sustainable development. The conference will be held in Swedish.

Time: November 18, 2026, 10:00–17:00

Place: Bryggarsalen, Stockholm

[Register here](#)

Join us for the 3rd Roadshow event in Saarijärvi, 15-16 September!

Join us for the 3rd Nordic Testbed Network Roadshow, hosted by the Smart Bioeconomy Testbed in Saarijärvi, Finland, on 15–16 September. Held as part of the BioBoosters Demo Days 2026, the event brings together innovators, researchers, startups, farmers, and industry representatives to explore the latest advances in smart agriculture and the bioeconomy.

Experience live technology demonstrations, inspiring keynote talks, hands-on visits to test environments, and excellent networking opportunities. Discover how collaboration and digital innovation are shaping the future of sustainable food and farming.

We look forward to welcoming you to Saarijärvi!



All about the event

Highlights from the second Roadshow event in Norway

The second Nordic Testbed Network Roadshow brought participants to Norway for two inspiring days of knowledge exchange, collaboration, and innovation. Hosted by the Center for Precision Agriculture at NIBIO and NMBU, and organised by the Danish Technological Institute, the event showcased cutting-edge research and testbed facilities for digital agriculture, with a focus on field trial data collection, crop phenotyping, and precision farming technologies.

Through presentations, demonstrations, and site visits, participants explored how shared research infrastructures and cross-border collaboration can accelerate the development of sustainable, data-driven solutions for agriculture and the bioeconomy.

Thank you to everyone who joined us – we look forward to seeing you at the next Roadshow in Finland this September!

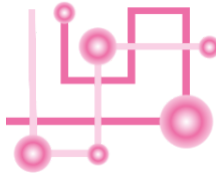


Get a glimpse of Roadshow Event 2

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Webb: www.nordictestbednetwork.se

E-post: sofie.p.andersson@slu.se

Nej tack, skicka mig inga fler mejl från Nordic testbed network.