2021 EIT FAN cohort

EIT FAN Hub Lausanne, Switzerland

Ajinomatrix.org (Belgium) digitizes the measurements of the senses of taste and smell for the food industry using AI through its sensory suite open-source software.

Authena AG (Switzerland) is an end-to-end technology (IoT & Blockchain based) framework that revolutionises anti-counterfeiting and product diversion protection, while creating a trust bridge between manufacturers & end-users. Active in Agro, Pharma, Industrial & Food.

Bio-Circular (Biotic) Ltd. (Israel) provides an end-to-end, fully bio-based, fully biodegradable polymer(s) manufacturing process. An optimal plastic alternative, produced from a naturally grown sea algae, eliminating recycling needs.

B'ZEOS (Norway) offers sustainable, home compostable, and bio-digestible packaging solutions made from seaweed extracts to combat plastic pollution.

Eaternity (Switzerland) supports organizations worldwide in calculating the exact environmental footprint of their food.

Finapp SRL (Italy) produces innovative cosmic ray neutron sensing probes, able to measure soil moisture, biomass water equivalent, snow water equivalent, over large area with just one instrument.

MycoNourish Limited (United Kingdom) customises microbes to suit specific crops and solve targeted problems in their production – enhancing crop performance and adding value for growers.

Nectariss Sarl (Switzerland) developed a unique fungal-based precision fermentation platform for novel food production.

Qlikchain International B.V. (Netherlands): Borlaug Web Services™(BWS) is a purpose-built blockchain SaaS platform which provides Transparency and Traceability solutions to agri stakeholders reducing food fraud & waste, improving compliance & trustworthy information exchange.

REM Analytics (Switzerland): Advanced Testing for Genetic composition: ATGC, can be used to accurately authenticate any crop, or derivative. For example, it can be used to identify exactly the mix of bean origins in a a coffee blend, identifying down to the region (and sometimes plot), the origin of each different component. The same applies to any other crop.

EIT FAN Hub Munich, Germany

AGVOLUTION GmbH (Germany) offers IoT and AI-technology solutions for a climate-smart agriculture, forestry and horticulture.

AgXeed (Netherlands) provides autonomy as a system: a unique combination of autonomous machines in the field and our Cloud-based Portal with virtual planning tools and valuable data models.

ConstellR GmbH (Germany) uses infrared microsatellites to ascertain crop stress via evapotranspiration. Unlike current systems which detect only irrecoverable damage, this enables much earlier water stress detection to protect & increase crop yield.

DigiFarm (Norway) detects the world's most accurate field boundaries to power precision agriculture.

Ekolive (Slovakia): turns waste or low quality minerals into high value, quality and purity minerals hereby producing biofertilizer which contains organic acids to replace pesticides, humic/fluvic acids to replace chemical fertilizers, natural plant nutrition from dissolved minerals and bacteria to renew soil microflora.

Imagindairy (Israel) creates affordable animal-free milk proteins that enable foods that have all the familiar great taste, mouthfeel, and nutritional value of dairy products, with none of the health and sustainability drawbacks.

KYTOS (Belgium) provides a novel microbiome health platform to unlock precision farming for the aquaculture and hydroponics sectors. Through service plans, customers can enroll in their microbiome surveillance and management plans.

Plantruption (Ireland) disrupts how food is produced to benefit oceans, ecosystems and future generations by creating plant-based seafood with taste and texture close to the real deal fish using seaweed & micro algae.

Trabotyx (Netherlands) automates the manual weeding process for organic farmers. This includes boosting their bottom line, reducing stress and creating healthy soils.

WUGGL GmbH (Austria): Weighing pigs the easy way. With the WUGGL One, farmers can weigh pigs easy and fast - optical and contactless. It reduces stress for the animals and it improves animal's well-being and animal health.

EIT FAN Hub Helsinki, Finland

Ask Attis (Belgium): Artificial Intelligence to detect pests and diseases on food crops incorporated in a mobile application called Planticus.

Grönovation AB (Sweden): High-tech automated indoor growing facility where plants will be grown with precision, without any pesticide and with guaranteed yield of highly nutritious greens.

Hooked Foods (Sweden): Leading the transition to a healthier seafood ecosystem by delivering delicious and nutritious plant-based seafood (Toonish & Salmoonish) to restaurants and grocery stores.

Kamu Collective Oy (Finland): General platform for third parties that enables reuse of packages and products through a deposit scheme. Currently providing package as a service for restaurants, events and grocery stores.

NORBITE (NBTech AB) (Sweden) upcycles plastic waste into healthy food by means of an insect-based biorefinery.

Revo Foods (Austria): We develop plant-based seafood with 3D Food Printing.

Tracegrow Oy (Finland) provides micronutrient fertilizers from suitable trace nutrients recycled from nutrient-rich industrial waste streams and to develop a recovery process for their recycling and reuse.

Volare Oy (Finland) solves the challenge of large-scale protein and lipid ingredient production from food industry sidestreams. The protein ingredient has unique features, including extremely high digestibility, high protein content, and balanced amino acid composition.

Whywaste AB (Sweden) is solving the problem of process inefficiencies which lead food waste in retail.

Yield Systems (Finland) is an AI company with strong science background. They develop advanced machine learning and video analytics for digital phenotyping and for the agri-food value chain.

EIT FAN Hub Bilbao, Spain

Activa Proyectos Tech SL (Spain): Plantae® is a wireless technology aimed at professional agriculture and gardening that allows the optimisation of crop irrigation in the field increasing productivity through agricultural humidity, conductivity, and temperature sensors among other devices.

AgriStarBio, Environmental Solutions, Lda. (Portugal) produces premium sustainable organomineral fertilizer from biossolids with no emissions, protecting water, soil and air at a competitive cost.

ColorSensing (Spain) helps packaged food manufacturers and retailers cut down food waste ensuring quality and safety of their products thanks to a digital and cost-effective smart packaging solution.

Earth Rover Europe, S.L. (Spain): Farm scouting and weeding using breakthrough solid state concentrated light weeding technology mounted on autonomous rovers.

Epinutra (Netherlands): Epinutra's benesco™ is a food supplement targeting the root cause of heartburn pain.

Genbioma Aplicaciones S.L. (Spain) leverages the central role of probiotics and the gut microbiota in the long-term glycemic regulation in early stages of diabetes (prediabetic people).

Kyanos (France) provides a unique technology and microalgae strain that will become a significant source of sustainable protein. This microalgae has more than 60% protein, all the essential amino acid, with future-proof sustainability and cost efficiency.

Oscillum (Spain) is a biotechnology company developing sensors for the agri-food industry. Oscillum has develop SmartLabel, a smart tag capable to show freshness of food by a simple color change.

Solmeyea (Greece) produces high value bioingredient-based food & feed proteins, through vertical microalgae cultivation for a significant lower cost with a phenomenal lower carbon footprint.

Wisecrop (Portugal) developed a centralized easy-to-use online platform to completely manage the farming business. Specifically designed for small and medium farmers growing high-value open-field crops, it also supports big holdings growing any type of fruit, vegetable, herb or cereal.

EIT FAN Hub Cambridge, United Kingdom

Beta Bugs Limited (United Kingdom) stimulates the growth of a new and environmentally beneficial industry and they are doing this by bringing real benefits directly to farms.

Decomer Technology (Estonia) is developing novel plant-based, water-soluble and edible packaging materials and products thereof.

Farmbetter (United Kingdom) assesses farmers' resilience using a survey and geolocation. Using environmental data (e.g. precipitation), farmer's practices and what they want to improve, Farmbetter provides tailored information about best-practices.

Fieldwork Robotics Limited (United Kingdom): Our solution is a 4-arm vertical harvesting robot. We have designed the robot to be capable of harvesting raspberries but with the capability to quickly adapt into other crops.

Freshseal Limited (United Kingdom) is a clean-tech, smart-tech process using AI to support sustainability in food processing and production.

Glaia Limited (United Kingdom) will transform agricultural productivity with a revolutionary technology that enhances photosynthesis, providing the much-needed sustainable increases in crop yields, effectively reducing the emissions stemming from crop production.

Micron Agritech (Ireland): Rapid pen-side testing of animals for parasites through machine learning.

Multus Biotechnology Ltd (United Kingdom) creates the key ingredient to make cultivated meat scalable and profitable. By reinventing the feed used to grow muscle and fat tissues, we enable cultivated meat to be an affordable and sustainable choice for everyone.

The Smarter Food Company Ltd (United Kingdom): Processed food products, consumed once weekly, to lower elevated blood glucose to normal, using proprietary broccoli containing high level of naturally occurring compound glucoraphanin.

WeedBot SIA (Latvia) develops high precision weeding solutions for organic and conventional farmers to replace herbicide usage and manual labour. We use machine vision to recognize plants and high-power laser to eliminate weeds.

EIT FAN Hub Haifa, Israel

Bumblebee ai (Israel) is an early-stage Agtech startup with the vision to help growers optimize their yields using AI-driven artificial pollination solutions.

Gelatex Technologies (Estonia) makes affordable and efficient plant-based edible nanofibrous scaffolds for cultured meat companies to enable them to scale up structured meat production.

GOURMEY (France) is bringing succulent and sustainable meat products to all conscious meat-lovers through a cost-effective poultry cell production platform combined with culinary expertise.

Lamu Tech Ltd (Israel) is a foodtech startup, developing a technology for naturally occurring sugar removal from natural beverages for industrial applications.

MAOLAC LTD (Israel): is developing specifically formulated mixtures to strengthen and support the immune system and provide users with active and targeted protection. These can be incorporated into a myriad of foods.

Ondo Solutions Ltd. (Bulgaria) developed an automated system for precise irrigation, fertigation and climate control for various crops.

Pigmentum (Israel) developed molecular technology platform that enables external gene activation in plants that could be induced in response to an external signal, for high scale production of natural organic ingredients.

SOY Tarım Teknolojileri Anonim Şirketi (Turkey) developed a multi-functional hydrogel that acts as a water reservoir; supports plant growth under drought.

Yarok Microbio Ltd. (Israel): Fast test for Agriculture (Crop Protection) & Food Industry (Food Safety). Yarok Microbio has a new biotech approach providing accurate results in 45 minutes instead of days. Their solution protects consumers, avoids recalls and losses and reduces pesticides.

ZIS Sweetening Ltd. (Israel) is a biotech venture that develops an enzyme-based technology that converts the fruit's (or vegetable's) sugar reservoir to various low- to no-calorie rare sugars (e.g., allulose) in a cost-effective manner.