FOOD NEXUS

A EUROPEAN INNOVATION ALLIANCE FOR BETTER FOOD, BETTER INNOVATIONS AND A BETTER WORLD
GRAND CHALLENGES

SUSTAINABILITY
Produce competitive food products with minimal environmental load

FOOD & HEALTH
Develop products supporting health and well-being of mankind

FOOD SECURITY
Access to sufficient food and nutrients globally
A TRULY EUROPEAN COOPERATION
A UNIQUE PARTNERSHIP

• Business-led community representing Europe’s strongest food regions (73 partners)
• 50 endorsement letters from national and regional governments
• The industry partners directly employ around 500,000 people, reaching a turnover of 180 B €/year, and directly involve more than 500,000 farmers in their supply chains
• Top-ranked European universities – among the top eight globally in agriculture and top four in the plant and animal sciences (NTU 2015 ranking)
• FoodNexus is connected to >50 SME-networks, clusters and incubators across Europe
• Already working together: on almost 100 Horizon 2020 projects within the area
FOOD NEXUS PARTNERS

INDUSTRY (45)
• Achmea
• Anecoop
• Arla Foods
• Avril
• Barilla
• BillerudKorsnäs
• Campden, Hungary
• Cargill
• Caviro
• Chr. Hansen
• Coop Italia
• Danish Crown
• Danone Research
• DuPont Nutrition Biosciences
• Electrolux Italia
• Eurofins
• Floreale Vega Mayor
• FrieslandCampina
• Fromageries Bel
• Galletas Gullón
• Granarolo
• Grupo Helios
• Grupo Alimentario Argal
• Heineken
• IBM Research GmbH
• ICA
• I+dea (Grupo Siro R&D)
• Inalca
• Kerry Ingredients Ireland
• Lantmännen
• Luis Calvo Sanz
• Miguel Torres
• Mlekpol
• Naturex
• Novozymes
• Nutreco Servicios
• Orkla Foods
• Orogel
• Riberebro Integral
• Sill Entreprises
• Tereos Participations
• Tetra Pak
• Triballat Noyal
• Unicredit
• Unilever R&D

ACADEMIA (28)
• AgroParisTech
• Chalmers University of Technology
• Consiglio Nazionale delle Ricerche
• ENEA
• Freie Universität Berlin
• Ghent University
• Groningen University, Medical Centre
• Hub Innovazione Trentino
• INRA
• IRTA
• Lund University
• Maastricht University
• RISE Research Institute of Sweden
• Swedish Univ. of Agricultural Sciences
• TEAGASC
• Technical University of Denmark
• University of Bologna
• Universitat de Valencia
• Universidade de Trás-os-Montes e Alto Douro
• University College Dublin
• University of Copenhagen
• University of Kent
• University of Liège
• University of Milan
• Utrecht University
• Wageningen University
• Wroclaw Univ. of Environmental and Life Sciences
• Aarhus University
FOODNEXUS NETWORK

Collaborating in **100** ongoing H2020 projects covering the scope of FoodNexus.
<table>
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<th>FOODNEXUS INSTRUMENTS</th>
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<tr>
<td><strong>Accelerator</strong></td>
<td>Raise ideas and inspiration</td>
<td>Elicit and validate new business concepts</td>
<td>Cultivate innovation development</td>
<td>Implement innovation</td>
<td>empPower the consumer</td>
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<td><strong>Innovator</strong></td>
<td>Business model competitions, award schemes</td>
<td>Cultivate</td>
<td>Charge</td>
<td>Take off venture Fund</td>
<td>Consumer engagement platforms, co-creation labs, launchpad festivals</td>
<td>Food Information platform, apps</td>
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<td><strong>Educator</strong></td>
<td>Roadmapping ideation for activities, open calls</td>
<td>Seed projects</td>
<td>Growth projects</td>
<td>Harvest projects</td>
<td>Impact toolbox, communication</td>
<td>Alumni network, job placement</td>
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<td>Gaming apps, social media channels, summer schools</td>
<td>Innovation and entrepreneurship training modules</td>
<td>Innovation competitions, exchange schemes</td>
<td>Professional training</td>
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Five FoodNexus Ready-to-go projects
5 Ready-to-go projects

1. Gentle processing and zero waste
2. Food & wellbeing platform
3. Smart dairy system
4. Continued education for food professionals
5. Agrofood startup of the year challenge
Objective:

To carry out re-engineering of food unit operations and processes, while adding new value to co-products and reducing industrial and domestic waste.

Components:

• Sustainability through mild processing
• Natural food products
• Using enabling technologies in a smarter way
**Activities:**
The project will first work within the fields of seeds and grains while the ambition is to expand the knowledge generated to other agricultural raw material areas.

March 2017 the project received seed funding from FoodNexus and is engaging with other external funding agents. First results are expected already within 2017.

For more information about this project, including partners participating contact:

**Marcel van der Vaart**
Marcel-van-der.Vaart@unilever.com
Objective:

To develop new and interactive forms of mobile digital communication with consumers on diet and wellbeing; integrate this with existing data sources such as food styles and activities.

Components:

• Health and wellbeing focus
• Empowerment for better health
• From knowledge sharing to new products
Activities:

It will indentify pilot and proof-of-concept activities that can be started in the second half of 2017.

In March 2017, the project obtained seed funding from FoodNexus and is engaging with other external funding agents.

For more information about this project, including partners participating contact

Artem Khlebnikov
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Objective:

*Enhance the sustainability of the dairy system through a transdisciplinary effort involving sustainability, marketing, ICT and technology. Whilst initially focussing on dairy production, the ambition is to expand the results to other food domains.*

Components:

- Smarter use of available data and technology
- Change agent for a solution-driven approach
Activities:

Projects are being developed:
• An ICT hub
• Digital dairy production processibility for next generation milk-based products
• Connect-au-Lait

For more information about this project, including partners participating contact

Declan Troy
delan.troy@teagasc.ie
Objective:
Launch multidisciplinary, innovative, flexible education modules for food professionals of the future.

The modules cover a variety of topics including nutrition; food production & sustainability; entrepreneurship & innovation; sensory sciences; consumer engagement; food safety.

Components:

• Future-oriented learning activity
• Multidisciplinary and innovative modules
• Three-stage learning
Activities:
There is readiness among university partners to develop courses when funding is available. Companies have declared interest in course topics. The next step is to adapt course descriptions to fit company needs.

March 2017 the project obtained seed funding from FoodNexus, and had applied for external funding. It also seeks to leverage through engagement with the existing technology platforms.

For more information about this project, including partners participating contact

Tove Enggrob Boon
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Objective:
Set up a two-round challenge for food startups
• Strengthen and build the EU network of startups, investors and corporates
• Demonstrate how entrepreneurship and innovation can solve societal challenges in agritech and food

Components:
• National rounds in 5 EU countries, 3 best of each national startups to EU final
• Best EU startup will be connected with investors and corporates, receive cash prize and business development support
• Thematic challenges will depart from the strategic objectives of FoodNexus
Activities:
• March 2017 the project received seed funding from FoodNexus.
• StartLife has been appointed owner and driver of the European setup.
• StartLife and the national FoodNexus partners are looking for partners and sponsorships.
• The national rounds will take place between May – December 2017

For more information about this project including which partners are involved, please contact:

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THANK YOU!

See [www.foodnexus.eu](http://www.foodnexus.eu) for more information