

EIT Food Hub Czechia

European Institute of Innovation and Technology Food (EIT Food)



EIT Food is supported by the EIT
a body of the European Union



UNIVERSITY OF
CHEMISTRY AND TECHNOLOGY
PRAGUE



10 March 2021





10 billion people by 2050 •



A person wearing a green sweater is holding a white plate of food over a metal trash can. The plate contains a meal with green beans, a tomato, and some meat or sauce. The person's hand is visible, wearing a gold ring. The background is blurred.

35% of our food is **wasted**





2 billion overweight, **800 million** undernourished



A woman with brown hair, wearing a blue long-sleeved shirt, is seen from the side, looking at a variety of fresh vegetables in a market stall. The vegetables include green leafy plants, broccoli, and other produce. The background is blurred, showing other people and market activity.

Fragmented supply chain
Low consumer trust & transparency





Limited digitalisation Widening skill gaps

Challenges

Low consumer trust & transparency

Distorted nutritional habits

Sustainability

Fragmented supply chain

Skills gap

Limited entrepreneurial culture

Objectives

Overcome low consumer trust

Create consumer-valued food for healthier nutrition

Enhance sustainability through resource stewardship

Build a consumer-centric connected food system

Educate to engage, innovate and advance

Catalyse food entrepreneurship and innovation

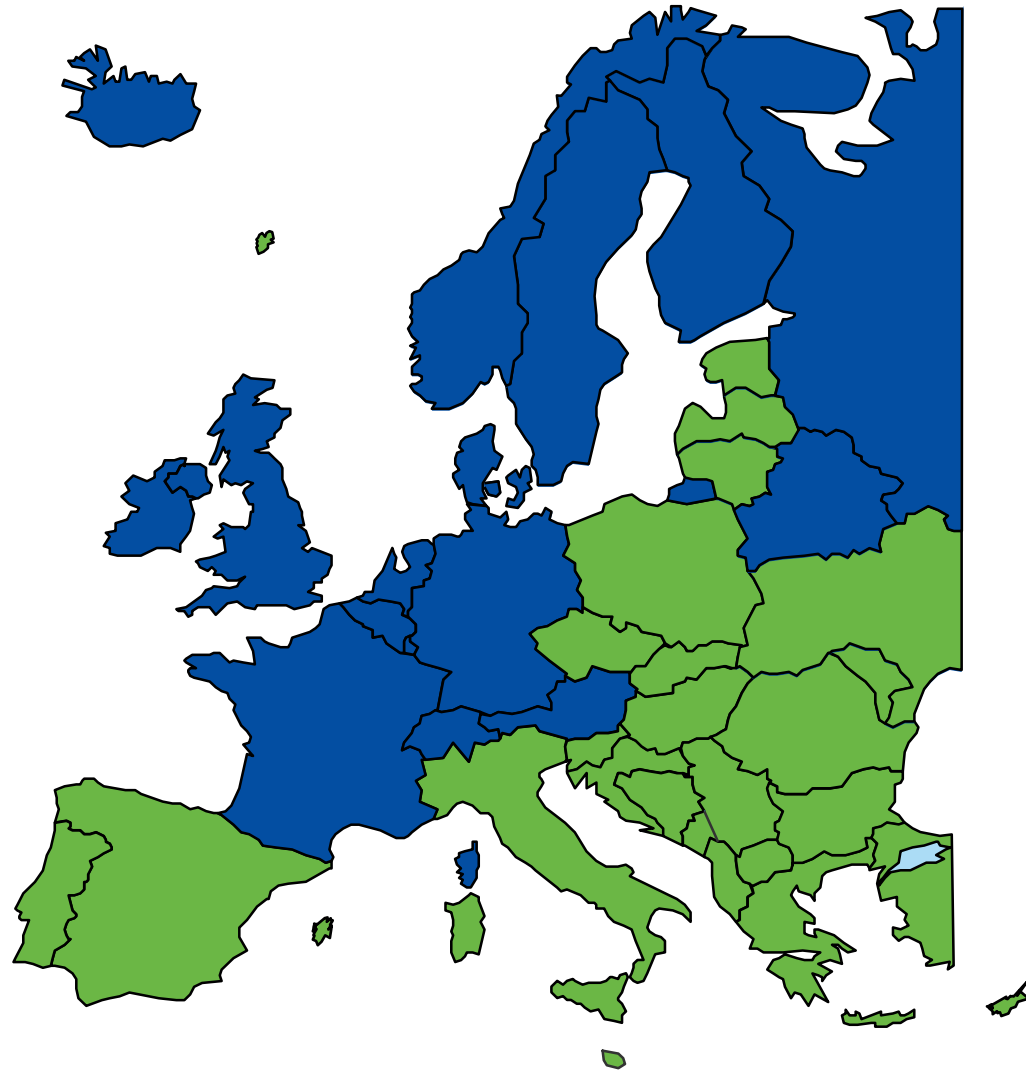


EIT Regional Innovation Scheme (EIT RIS)

Eligible countries:

- | | |
|-------------------|---|
| 1) Bulgaria | 16) Spain |
| 2) Croatia | 17) Romania |
| 3) Cyprus | 18) Albania |
| 4) Czech Republic | 19) Armenia |
| 5) Estonia | 20) Bosnia and Herzegovina |
| 6) Greece | 21) Faroe Islands |
| 7) Hungary | 22) Former Yugoslav Republic of Macedonia |
| 8) Italy | 23) Georgia |
| 9) Latvia | 24) Moldova |
| 10) Lithuania | 25) Montenegro |
| 11) Malta | 26) Serbia |
| 12) Poland | 27) Turkey |
| 13) Portugal | 28) Ukraine |
| 14) Slovakia | |
| 15) Slovenia | |

Based on the Regional Innovation Scoreboard (2017)
Group of Moderate and Modest innovators



EIT Food Hubs

...have a strong footing in local ecosystems and helps promote KICs' good practises and know-how of KTI

Entry point for both sides:



EIT Food Hubs

Selected through an open call, EIT Food HUBs are our regional 'contact points' in EIT RIS countries. These organisations are key players in their national innovation ecosystems and gather strong regional outreach and experience in supporting entrepreneurs and organising local events.



EIT FOOD BUSINESS CREATION

OPPORTUNITIES FOR STARTUPS FROM
SOUTHERN AND EASTERN EUROPE



TEST FARMS

**For innovative agritech startups
with a prototype/MVP**

Need help with testing your agritech solution? Test Farms programme is designed to link innovative agritech startups with farmers or agricultural land to do a pilot project.



**For people with agrifood solutions
who want to find a co-founder**

TeamUp matches scientists and technologists with business innovators and helps them co-create impactful agrifood ventures. Apply and find the right co-founder for your agrifood startup.



**For aspiring entrepreneurs,
entrepreneurial academics and
newly formed startups**

A six-month pre-accelerator programme, delivered across five EU hubs, that aims to transform innovative ideas into market-validated business propositions.



EIT FOOD BUSINESS CREATION

OPPORTUNITIES FOR STARTUPS FROM
SOUTHERN AND EASTERN EUROPE



**EIT Food Accelerator
Network**

**For registered startups with
pre-seed funding and traction
indicators**

An accelerator programme delivered at six unique innovation ecosystems in Europe. Increase your visibility in the agrifood space and maximise your chance of success.



RisingFoodStars

**For early ambitious scaleups with
paying customers ready for
significant growth**

The RisingFoodStars Network allows successful, impactful agrifood scaleups to scale to the next level in becoming the international game changers of the future.

EWA

**Empowering
Women in Agrifood**

**For female entrepreneurs in the
agrifood sector**

An educational programme tailored for female-specific challenges regarding entrepreneurship. Gain knowledge, confidence and support to successfully start and develop your sustainable businesses.



Challenge Labs

- **Co-creation workshop** using double-diamond and human-centered design methodology
- **Engaging industry, academia and entrepreneurs:**
 - Challenges sourced locally and written down in a report
 - Participants – mix of individuals and entrepreneurs s with interest and experience in food industry
 - Experts & mentors involvement: MASPEX, Danone, MOWI, FoodBanks, RoślinnieJemy, CEDROB, AsiaPulp&Paper and more..

GOAL:

- Building relationship with local industry;
- Involving industry with academia & entrepreneurs
- scouting for Seebed & Co-founder matching



2021 - Hub task

- Sourcing challenges
- Recruitment of participants & mentors
- Running workshop online/offline
- Follow-up & scouting for other BC programs
- EIT Food support: playbook & framework, trainings

Challenge Labs are designed to tackle the big problems facing the food sector by bringing together diverse groups of people. It is hoped that Challenge Labs will spark co-founder relationships, lead to the creation of new businesses and build links between industry, academia and startups. The primary aim of each Challenge Lab is to find innovative solutions to big, tangible problems faced by the food sector.



2020 activities

Test Farms

- 105 startups applied
- 3 match-making events online
- 15 startups from Central, Southern and Eastern Europe matched with farmers in Spain, Bulgaria, Portugal and Poland
- 1 year long testing with support of EIT Food and Demo Day to showcase their solution on the farmer site

Test Farms - startups

- **Ullmanna (Czech Republic)** - Weeding robot equipped with software including AI which can recognize weeds from root crops. Solution tested with farmers from Polish Association of Beetroot Producers. IMPACT: lower use of pesticides and cost of labour
- **Bisari Agroinnovation (Spain)**: Electrostatic technology enabling assisted pollination of susceptible crops. IMPACT: higher fruit set rate and therefore higher yields
- **Terrabio (Poland)** : The first mobile genetic analyser on the agri-food market which can identify up to 16 pathogen in single reaction in any environmental sample e.g. soil, water, plants IMPACT: Detection and elimination of contaminated produce and pesticide use reduction





RIS Innovation Prizes competition: Czechia 2020

Osm českých startupů se utkalo o ceny v soutěži EIT Food – Innovation Prizes 2020

Vítězové Innovation Prizes 2020:

1. místo



2'000 ENB

2. místo



3'000 ENB

3. místo



1'000 ENB

Cena publika



5'000 ENB



<https://www.youtube.com/watch?v=IZkvRI4-B20>



GRAND FINAL 2020



Innovation Prizes

- 255 applications
- 17 online country finals (prizes of 5,000€, 3,000€, 2,000€, 1,000€)
- One Grand Final (prizes of 25,000€, 15,000€, 10,000€)

Innovation Prizes 2020
Grand Final winners

Winner	Company	Prize	Amount
Ayca Dunder	SoluBlue	1 st Prize	€25,000
Anna Ogar	Microbe+	2 nd Prize	€15,000
Jan Raja	Thermosolar Hive	3 rd Prize	€10,000

eit Food | Regional Innovation Scheme

This activity has received funding from EIT Food, the innovation community on Food of the European Institute of Innovation and Technology (EIT), a body of the EU, under the Horizon 2020, the EU Framework Programme for Research and Innovation





Education Activities

- ✓ Activities at national level (trainings, workshops,...)
- ✓ Awareness Days
- ✓ Summer Schools, Jumpstarter, Professional Development, ...
- ✓ Government Executive Academy
- ✓ RIS Fellowships and RIS Talents
- ✓ MOOCs, Start-up manual





RIS Fellowships and RIS Talents



MSc students and graduates with different educational backgrounds as well as PhD students and post-docs from 28 different countries will have the opportunity to carry out a unique, professional and **paid 3-6-month internship abroad** in the food industry.

<http://timo.wz.uw.edu.pl/risfellowships/>



RIS Fellowships Msc students, graduates and entrepreneurs.	RIS Talents Doctoral students and postdocs.
--	---





Massive On-line Open Courses (MOOCs)

Learn new skills, pursue your interests or advance your career with our short online courses: <https://www.futurelearn.com/partners/food>

Courses 24 Courses

Learn new skills, pursue your interests or advance your career with our short online courses.



EIT Food, University of Turin & European Institute of Innovation and Technology (EIT)

Consumer and Environmental Safety: Food Packaging and Kitchenware

★★★★★ 4.8 (10 reviews)

Discover the importance of kitchenware and packaging that is safe for people and the environment alike.

🕒 5 weeks 🕒 5 hrs per week

🔓 Included in Unlimited

Find out more



EIT Food, University of Reading & European Institute of Innovation and Technology (EIT)

Food and Nutrition: The Truth Behind Food Headlines

★★★★★ 4.3 (42 reviews)

Learn how to find reliable, scientific information about food and nutrition and identify the truth behind food headlines.

🕒 3 weeks 🕒 2 hrs per week

🔓 Included in Unlimited

Find out more



EIT Food, University of Reading & European Institute of Innovation and Technology (EIT)

Innovation in Arable Farming: Technologies for Sustainable Farming Systems

★★★★★ 4.6 (8 reviews)

Explore how innovative, digital technologies can help achieve sustainable intensification of arable farming systems.

🕒 3 weeks 🕒 3 hrs per week

🔓 Included in Unlimited

Find out more



EIT Food, University of Turin & European Institute of Innovation and Technology (EIT)

The Human Microbiome

★★★★★ 4.7 (78 reviews)

Discover what the microbiome is, how it changes throughout your life, and the role it plays in good human health.

🕒 3 weeks 🕒 4 hrs per week

🔓 Included in Unlimited

Find out more



EIT Food Startup Manual – Course Contents

1. So you want to change the food system!

This section introduces you to the course, with important things you need to know before starting an agrifood business. Including tips from entrepreneurs, ideas on where to start, and how to create a sustainable business.

6 Lessons

[View Module](#)



Download Module 1 PDF



Modules

Status

Module 1 - So you want to change the food system!



1. Introduction

2. What you need to know before starting an agrifood business

3. Where do you start?

<https://startupmanual.eitfood.eu/course/eit-food-startup-manual/>

EIT Food Příručka pro startupy



**Better businesses for
a better food system**

Written by:

Ilana Taub, Michael Minch-Dixon & Joseph Gridley

EIT Food Startup Manual



**Better businesses for
a better food system**

Written by:

Ilana Taub, Michael Minch-Dixon & Joseph Gridley





Consumer Engagement Labs

EIT Food Consumer Engagement Labs are pre-competitive co-creation sessions carried out by a group of consumers, and focused on ideation/development of new product concepts.

WHO **Elderly consumers in the food and beverages market**

- Addressing societal challenges
- Pursuing co-creation
- Supporting multiple stakeholders in several countries
- Development and piloting of novel methodology

<https://www.eitfood.eu/news/post/call-for-expressions-of-interest-to-participate-in-eit-food-ris-consumer-engagement-labs-2021>



www.inovacevpotravinach.eu



[Home](#) • [Hledám podporu](#) • [Aktuality](#) • [Kontakt](#)

Informační platforma pro podporu inovací v oblasti potravin

Co tu najdu ?

Programy EIT Food • Inovační vouchery a projekty • Programy grantových agentur a ministerstev
Aktuální výzvy • Co-workingová centra • Podnikatelské inkubátory • Podnikatelské akcelerátory

 **HLEDAT
AKTUÁLNÍ VÝZVY**



KDO JSEM

Student, fyzická osoba, start-up,
malý podnik, instituce ...



LOKALITA

14 krajů v České republice...



CO POTŘEBUJI

Peníze, Mentoring, Kancelář,...



Informační platforma pro podporu inovací v oblasti potravin byla vytvořena za finanční podpory projektu č. LT120005 s názvem „Kancelář podpory mezinárodních projektů a podpora integrace zahraničních výzkumníků v ČR, rozšířená o informační platformu pro podporu inovací v oblasti potravin“, jehož nositelem je Vysoká škola chemicko-technologická v Praze. Projekt získal podporu programu INTER-INFORM Ministerstva školství, mládeže a tělovýchovy České republiky a je řešen v období 03/2020-12/2023.



Future of Food

Pro udržitelnou produkci potravin





eitfoodhub.vscht.cz

[Activities 2021](#)[Activities 2020](#)[Activities 2019](#)[Activities 2018](#)[Sign-up for updates](#)

What is EIT?

The European Institute of Innovation and Technology (EIT) is an EU body created by the Council of the European Union in 2008 to strengthen Europe's innovation ecosystem. It is an integral part of Horizon 2020, the EU Framework Programme for Research and Innovation.

[Informace v češtině](#)

What is EIT Food?

EIT Food is a pan-European consortium that focuses on entrepreneurship and innovation in the food sector. The members of the EIT Food community are world-class players in the international food domain: over 50 partners from leading businesses, research centres and universities across 13 countries. To reach

[Conference Plant-Powered Perspectives 2020](#)[Design Thinking for Sustainable Future](#)[Foresight on the impact of COVID-19](#)[RIS Consumer Engagement Lab 2020](#)[EIT Jumpstarter 2020](#)[Training 2020](#)[Water scarcity 2020](#)[Innovator Fellowship 2020](#)[Empowering Women in Agrifood](#)[TestFarms 2020](#)[Innovation Prizes 2020](#)[RIS Fellowships 2020](#)[Government Executive Agency 2020](#)[Legal & Accounting Support](#)[Women entrepreneurs 2020](#)[Seedbed 2020](#)[Food Accelerator Network 2020](#)

This activity has received funding from EIT Food, the innovation community on Food of the European Institute of Innovation and Technology (EIT), a body of the EU, under the Horizon 2020, the EU Framework Programme for Research and Innovation

European Institute of
Innovation & Technology

by the European Union



EIT Food Hub Czech Republic

<https://eitfoodhub.vscht.cz/>



UCT PRAGUE

Monika Tomaniová, VŠCHT Praha

<https://eitfoodhub.vscht.cz/monika.tomaniova@vscht.cz>



Praha

Yveta Holečková, Impact Hub

www.hubpraha.cz
yveta.holeckova@impacthub.cz

