



VIRTUAL TOUR OF VIRTUAL TOOLS



20° JULY 2021
16:30 pm – 17:30 pm CEST

For more information visit:

<https://tinyurl.com/askfood-VT>

Register (free):

<https://tinyurl.com/register-VT>

AGENDA

July 20th 2021
16:30– 18:00 (CEST)

16:30 - Welcome (Paola Pittia)
Outcomes of ASKFOOD survey (Rainer Svacinka)
Discussion on collaboration opportunities and input from external participants

17:00 - Presented by Germana Di Falco and Paola Pittia:
Smart Atlas
Forecast Aggregator
Interactive Training Gap Identifier
DBTE
Observatory
Reversed Incubator
Discussion and Q&A

17:30 - Closure of the event

Co-funded by the
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of the European Union



**Alliance for Skills and Knowledge to Widen
Food Sector-related Open Innovation,
Optimization and Development**

ASKFOOD

Paola Pittia (project coordinator)
University of Teramo (Italy)
ppittia@unite.it

With the contribution of:

- **Germana Di Falco (Cassiopea)**
- **Rainer Svacinka (UniTE)**

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Permanent knowledge alliance between businesses and HEIs in the food-related sectors



Joint HE-B and modern training and educational methodologies

Innovative skills and entrepreneurial mindset of the future generation of graduates and the food-related studies

Improvement of academia-industry and stakeholders interplay in a Quintuple Helix innovation model.



Permanent knowledge alliance between businesses and HEIs in the food-related sectors



**MULTIDIMENSIONAL
APPROACH**

**MULTI- and TRANS-
SECTORIAL**

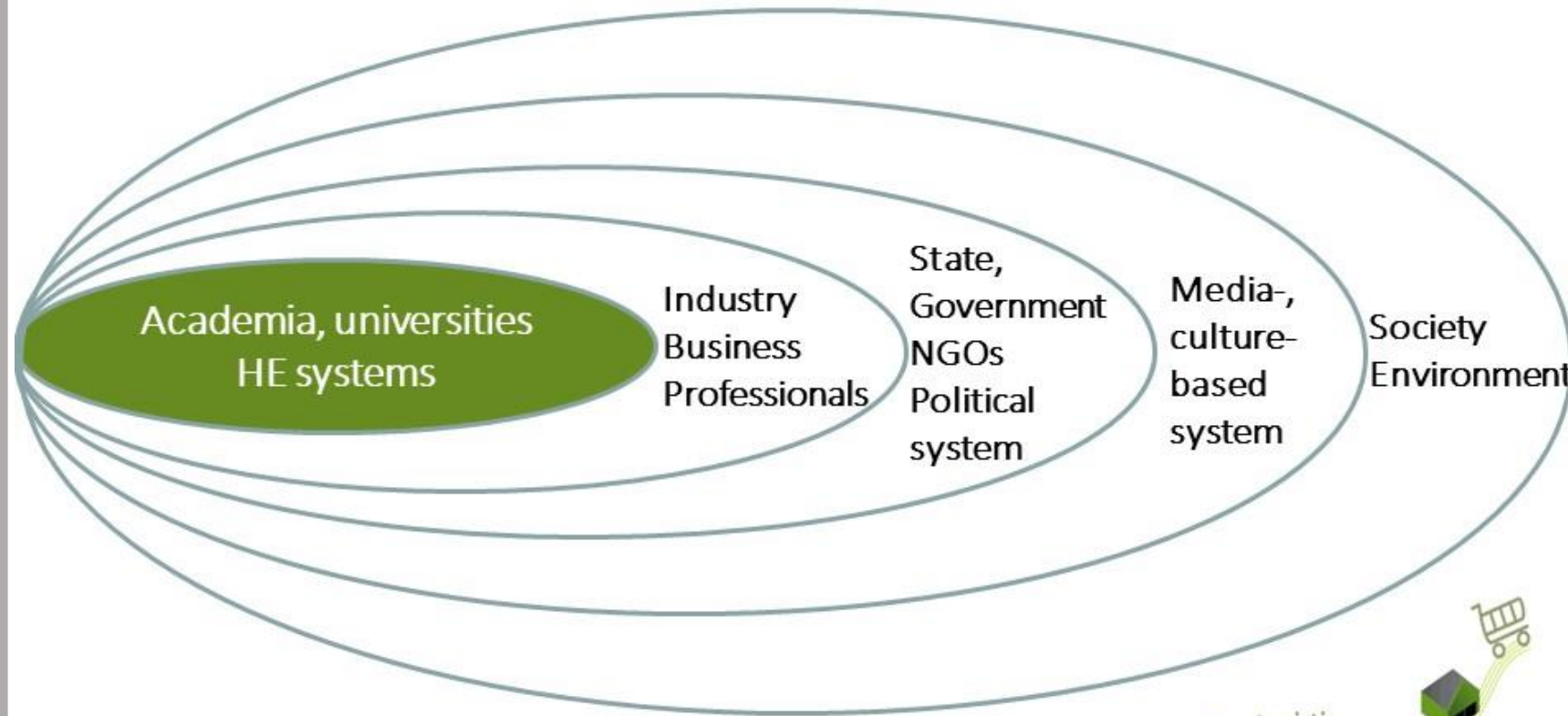
**NETWORKING
ENVIRONMENT**



UNIVERSITY OF
HOHENHEIM



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**HE teachers,
students &
trainees**

**Training
providers**

Businesses

Enterprises

Policy makers

ASKFOOD
New «educational» eco-system for
innovation and sustainability of the food
value chain and system



Main products



Interactive Atlas
Forecast aggregator

- Virtual tools based on the TEMPESTS model: scenarios, skills and training identifier, competences, professions



Knowledge and Training
hubs

- Cross-industry knowledge platforms to support innovative multi-actor food clusters



Digital Business &
Technology
Environment - DBTE

- Innovative learning and teaching methods
- Test Open Innovation Methodologies (ASKFOOD Labs, Virtual Incubator)
- Certification of skills



Observatory of Skills in
the Food Sector

- **Multisectorial and multidisciplinary environment to share and discuss issues about education and training**

Training Approaches/methodologies



**Reversed
Incubator**

Training, challenge based methodology to trigger entrepreneurial and professional skills in a business-HE joint educational environment

Main products



Interactive Atlas
Forecast aggregator

- Virtual tools based on the TEMPESTS model: scenarios, skills and training identifier, competences, professions



Knowledge and Training
hubs

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Digital Business &
Technology
Environment - DBTE

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Observatory of Skills in

**TRAINING NEEDS
SURVEY**

- Multisectorial and multidisciplinary environment to share and discuss issues about education and training

Target vs. benefits

Higher Education and training providers

- New tools and approaches for teaching, curriculum development
- New skills to promote innovation
- Interplay with different stakeholders and networking environment



Students Trainees

- Innovative, inspiring training envir. & tools
- Entrepreneurial skills development
- Networking environment
- Identification key skills for future jobs and increased employability
- Opportunities for mobility

Food-related businesses

- Strategic frameworks to promote innovation and related training
- Tools to boost innovation
- Talent Marketplace
- Local support through knowledge clusters
- Identify necessary skills for future employees

**Alliance for Skills and Knowledge to Widen Food Sector-
related Open Innovation, Optimization and Development**
ASKFOOD

Virtual Tour of the Virtual Tools

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ASKFOOD Erasmus+ Knowledge Alliance

Best Practice Sharing Virtual Tool



www.askfood.eu/tools/smart-atlas/

- MOOC
- Training Centre
- EU project result
- Research Centre
- Acceleration Programme
- Crowdsourcing Crowdfunding
- Start Up
- Innovation Marketplace

<https://www.askfood.eu/tools/smart-atlas/>

WHAT

The Smart Atlas is an open repository of information & Best Practices.

Use it to your advantage to promote innovation in the food & food related sector.

Resource Database for:

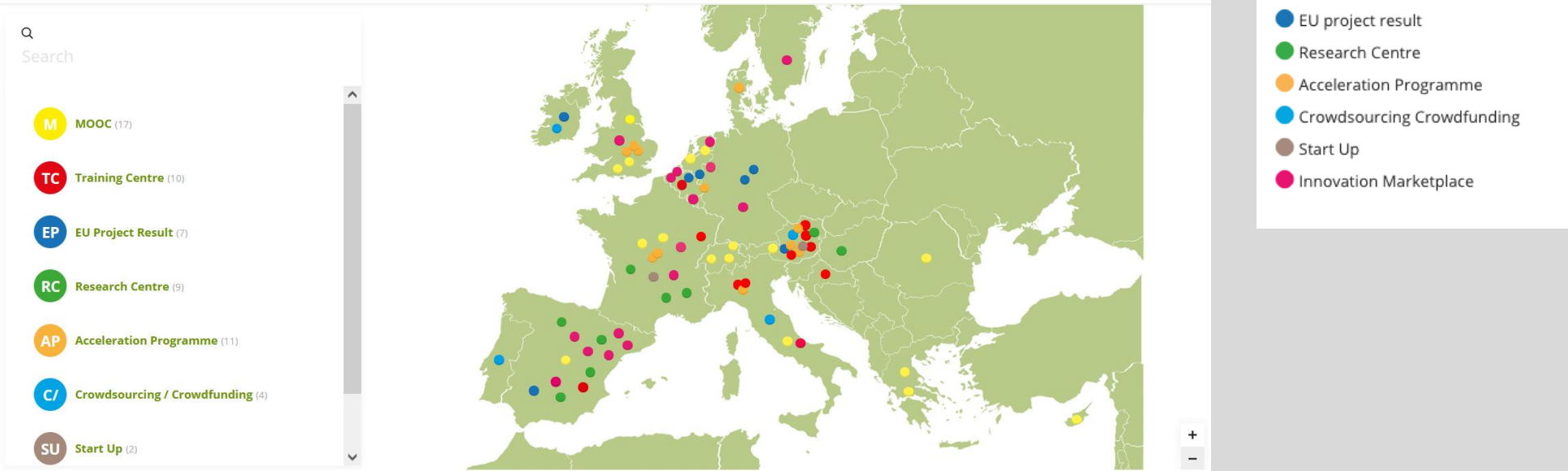
- MOOCs
- Training Centres
- EU Project Results
- Research Centres
- Acceleration Programmes
- Crowdfunding
- Start-Ups
- Innovation Marketplaces

HOW

Share your own best practice with the world, or browse what others in the food and food-related sector are sharing and create your network.

You can also use this tool as an inspiration or self-training tool to:

- Increase **Personal** & **Shared** Knowledge in the food and food-related sector.



FEATURES

- **Open repository** of different items to be used as an inspiration or as a self-training tool to increase Personal Knowledge, and to increase Shared Knowledge and Knowledge Sharing in the Food Industry.
- **8 categories**
- Two-ways usage (as visitor, as contributor)

TARGET END-USERS

- **All target groups:** students, researchers, teachers, training providers, business, start-ups, etc...



FORECAST AGGREGATOR

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<https://www.askfood.eu/tools/forecast/>

FORECAST
AGGREGATOR

HOME ABOUT BACK TO ASKFOOD



Under revision

Investments for the future are always risky. We don't have any certainty about the future but the fact that the way we decide to invest today will affect our competitiveness tomorrow. This is true also for the investments on skills in the food sector and in food-related industries.

We identified 8 power-breaking forces: (T)echnology, (E)conomics, (M)arket habits, (P)olicy and regulatory framework, (E)nvironment, (S)cience, (T)ransformative industry, (S)ocial dynamics that will shape the competitive scenario in the next years. These forces are like

TEMPESTS

that will change the usual reference points for the sector and will shape the future for the demand of skills and jobs.



<https://www.askfood.eu/tools/forecast/>

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<https://www.askfood.eu/tools/forecast/>

TEMPESTS

FEATURES

- **Scenarios and trends** of the 8 power-breaking forces that will shape the competitive scenario of the food-related sectors
- Identification of skills and future professions for the 8 forces
- **TEMPESTS model**
Technology, Economics, Market habits, Policy and regulatory framework, Environment, Science, Transformative industry, Social dynamics)

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Technology

A NEW CIVIC DISCOURSE

Market And Consumption Trends Are Rearticulating The Identity Of Consumers And Communities In A Global Society.

It's not just...
The future...
bars with...
Our established relationship with food may well be...
aspects of eating are substance for another...
part of our human needs — can they be bundled and...
foods.

Economics

Market habits

Policy and regulatory framework

Environment

Science

Transformative industry

Social dynamics

SIGNALS

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HOME ABOUT BACK TO ASKFOOD

Technology

Economics

Market habits

Policy and regulatory framework

Environment

Science

Transformative industry

Social dynamics

POLICIES THAT MATTER

Self Regulation V/s Bundled Food Policy Will Drive The Future Of The Food Regulatory Cascade.

The main challenges in the food systems are asking for related policy options. On the other side, policy and regulation can inspire, orient, prioritize changes in the future of food and food-related issues. Various are the policy options that can help the food players to better address future challenges whether you consider the "Global-" or the "Pharma-" Food" scenarios, or if you consider the "Regional Food" or the "Partnership Food" scenarios (see the latest JRC Study for the EU Parliament). Emerging arguments will be dealing with how, in the future, the regulatory food framework will decline pairs of divergent trends:

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Transformative industry

Social dynamics

TRENDS

FOOD ETHICS AND SECURITY WILL PUSH MULTI-LEVEL GOVERNANCE FORWARD

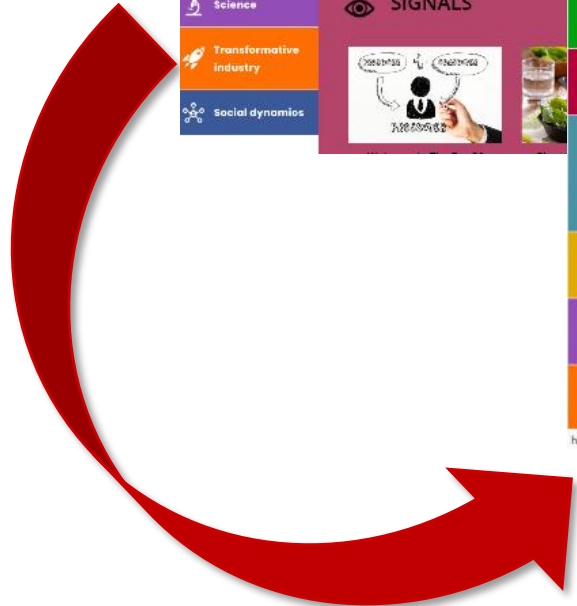
Global challenges (e.g. climate change, food and forest fires, demographic changes and population growth) will challenge our...

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SIGNALS

- Delivering On EU Food Safety And Nutrition In 2050
- Cities As Self-regulatory Bodies On Food
- Multi-level And Bottom-up Policy Design
- Conflicts Among Policies And Integrated Effort To Have A Common Path
- Legislating For A Fairer Food Chain
- Food Labelling And Standards
- Rising The Bar: A New Agenda For New Jobs
- Buy Well To Set Up The Policy Framework
- The New Imperative Of Health And Environment
- Innovate By Law: What AKIS Will Do For The Future Food Industry?



3D printing specialist....

biorefinery expert....

Drone driver....

Under revision

INTERACTIVE TRAINING GAP IDENTIFIER



INTERACTIVE TRAINING
GAP IDENTIFIER

ABOUT IN ACTION METHODOLOGY SUPPORTING TOOLS CAREER MAPS BACK TO ASKFOOD



The Interactive Training Gap identifier (ITGI) is designed to increase the awareness for the skills required by the food sector in the coming years and to identify any existing gap.

New scenarios and trends in various sectors are changing the **skills** and **competences** needed for the job market, as well as introducing new jobs and professions.



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FEATURES

- It provides **self-assessment tools** to avoid skill mismatch, and to support personal learning and career paths for present and future food professionals.
- **Identification of career paths in food industry**, food service, research; new professions and new skills

TARGET END-USERS

- All target groups: **students**, researchers, teachers, food professionals, training providers, managers, business, etc...

CAREER MAPS

Food Manufacturing



Food Research



Food Service



[Home >](#)

Career Map



[Home >](#) Supporting tools

SUPPORTING TOOLS

In order to support the self-assessment of the training skill gaps or to set training paths to support the upgrade of workers in your company, a series of documents or questionnaires (tools) have been developed.

- In particular:
- **Tool 1, 2 and 3** to be used in a preliminary step to assess or self-assess your skills level and compare them in respect to those of the desired level/position/role
 - **Tool 4, 5, and 6** to be used in evaluating your performances, assess your abilities to find a new job, and to design new training opportunities

All tools could be used as reference documents that can be customized and modified according to your/your organisation's needs.

Career Map

SKILL Framework

ESCO professions and profiles

New skills and future professions

TOOL 1



Track your skills and training needs

TOOL 2



Check your Technical Skills

TOOL 3



Check your General Skills

TOOL 4



TOOL 5

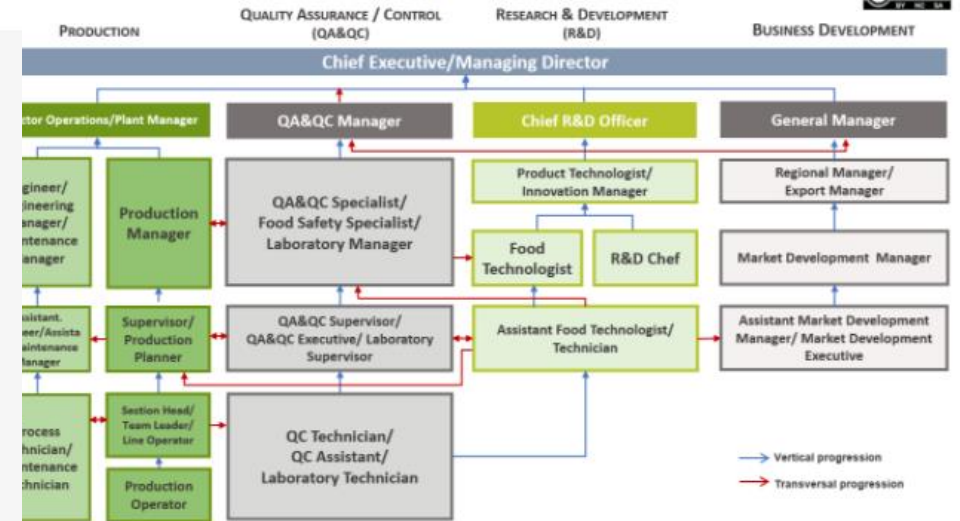


TOOL 6



SKILLS FRAMEWORK FOOD MANUFACTURING Career Pathways

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Available job roles and possible career pathways in the Food Service Sector, which may vary depending on company's structure and business context. The career progression pathways would depend on science and company needs. Other than those suggested are, thus, possible. It is recommended that employers and training providers be acquainted on the skills for career, training and education purposes.

Digital Business Ecosystem

Digital Training ecosystem

Knowledge Cluster



Digital Business & Training Ecosystem

Launch by 24° July 2021



- **Networking environment (Community of Practice)**

Industry-HE
Talents-job market
Professionals
Training providers

- **Training materials and tools to promote innovation in the food system**



CLUSTERS, HUBS, ORGANISATIONS
& ASSOCIATIONS

UNIVERSITIES &
RESEARCH CENTRES



INDIVIDUAL
COMPANIES

INDIVIDUAL
EXPERTS & PROFESSIONALS



**REGISTRATION
(FREE)**

Launch by 24° July 2021

**REGISTRATION
(FREE)**

Launch by 24° July 2021



Platform that supports the activity of the Community of Practices and the Knowledge Clusters.

It is organized as a Knowledge Map/Aggregator and Practice Sharing Tool and developed around **six building blocks (BB) of the learning and knowledge management process**



- BB1. Knowledge Diagnosis



- BB2. Knowledge Creation



- BB3. Knowledge Transfer



- BB4. Knowledge Internalization



- BB5. Knowledge Brokering and Sharing



- BB6. Knowledge Codification

**REGISTRATION
(FREE)**



Training resources to support innovation in the food production system

Welcome to the Training section of the DBTE.

This space is dedicated to training materials and courses for all members of the DBTE community.



Library

The **library** contains methodological papers, open AIRE documents, references and materials from blogs,



MOOCs

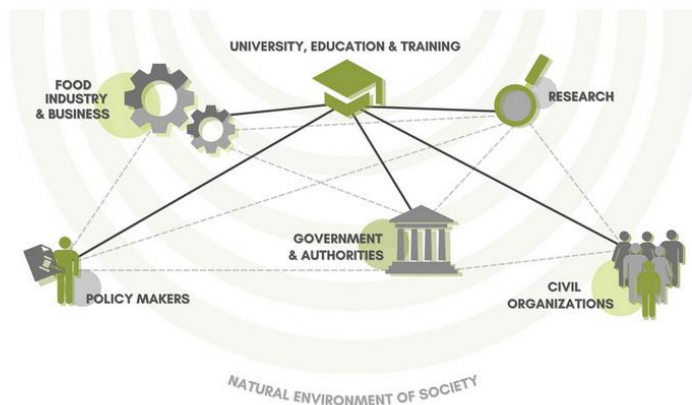
The **MOOCs** (Massive Open Online Courses) dedicated area contains a collection of open access web courses

REGISTRATION
(FREE)



Home About Community Toolkit Virtual tools Events Documents Contact Login

Welcome to the ASKFOOD OBSERVATORY!



The ASKFOOD Observatory is an independent innovative, multisectoral, and multidisciplinary ecosystem of experts and professionals aimed to favour and promote a modern and high quality in education and training in the food and food-related sector.

This platform fosters the networking of individuals, entities and their representatives from different

News & Announcements

The 4 biggest challenges to our higher education model



Previous Next

View news archive

Register Here!

Click here to register

Project Website

ASKFOOD Observatory on education and skills in food-related sectors



AIMS

- to **connect experts and representatives** from different stakeholders of the food sector to boost innovative HE and training and to upskill the workforce in a lifelong learning perspective,
- to **monitor knowledge, skills and competences needs** of the future food professionals based on trends and scenarios;
- to **collect innovations/initiatives in education and training** and boost their **implementation**
- to carry out **research**, directed mainly at providing firms and policy makers with indications concerning **future trends** and their **impact on training** offer and demand
- to **stimulate** the **development of projects** on education and training



FEATURES

- Two components
 - Community of Practice (members, Scientific Board and Management Board)
 - Virtual platform

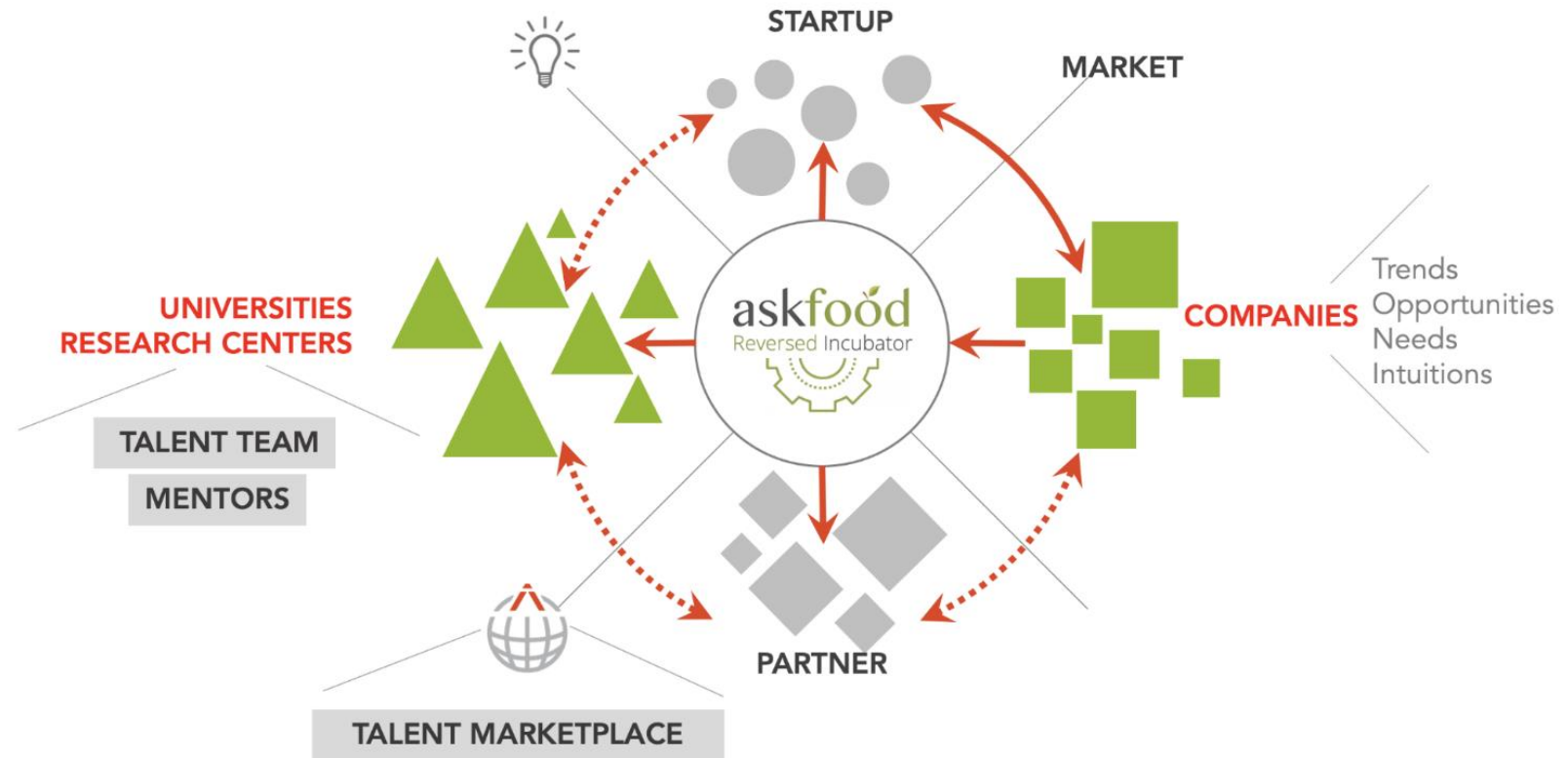
TARGET END-USERS

- All target groups: **students**, researchers, teachers, food professionals, training providers, business, policymakers, etc...



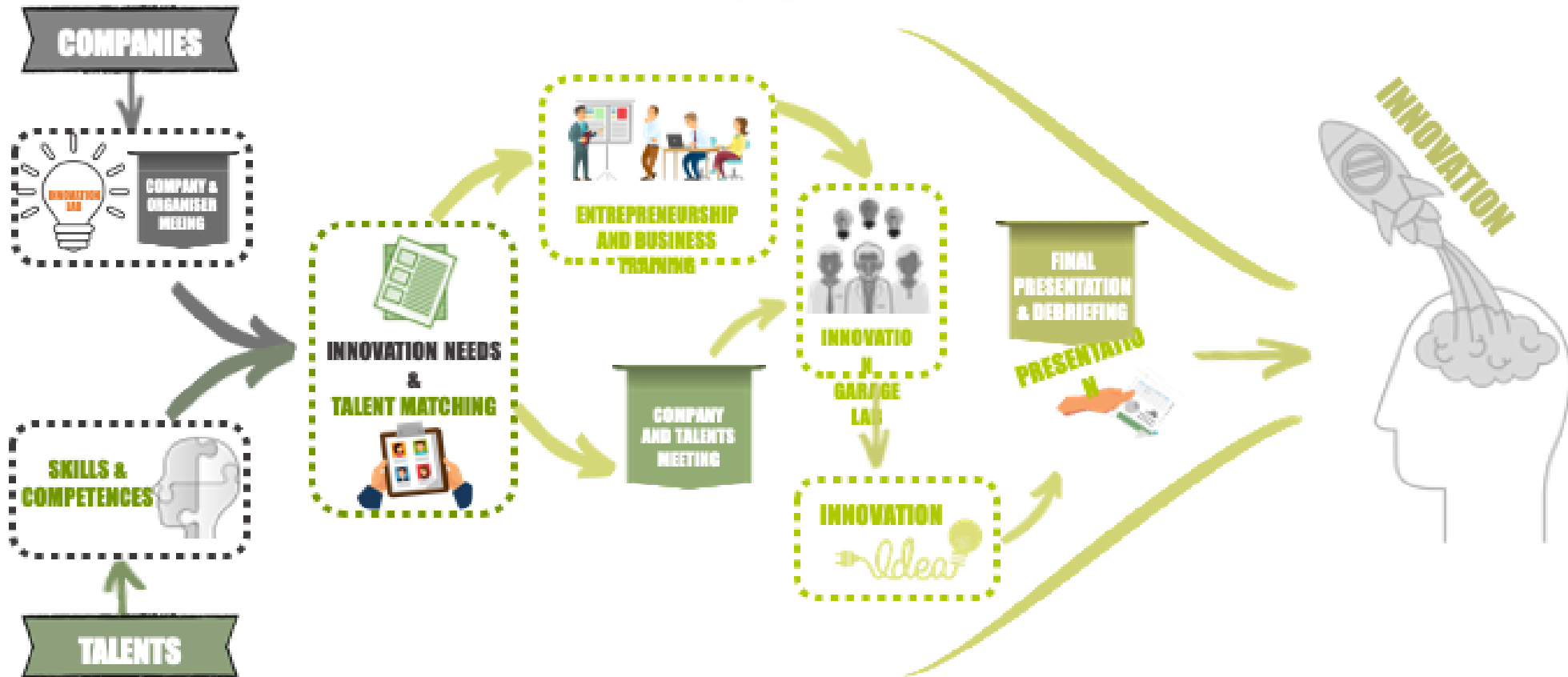
ASKFOOD Reversed Incubator

Innovative methodological approach aiming at inverting the logic with which we transform **ideas** into new **businesses and companies**. It combines **training** with entrepreneurial opportunities and concrete ideas to generate **innovation** in food-related sectors.



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Reversed Incubator



Italy Pilot, 2019

- 2019
 - Italy
- 2020



ITALY PILOT, 2019



The 2019-2020 Italy Pilot Edition lead the Reversed Incubator

2020 editions

- Netherlands (WUR)
- Croatia (UZag)

2021 editions

- Italy (UniTE + Federalimentare) (5 teams + 4 food companies)
- Netherlands (WUR)

9 companies (various regions)
12 Teams (three Universities)





FEATURES

- It allows a joint collaboration between students-academic tutors-companies
- It could boost innovative ideas (products, services, business, etc...)
- Positive evaluation from participants

TARGET END-USERS

- All target groups: **students**, researchers, teachers, food professionals, training providers, managers, business, etc...

RESPONSIBLE RESEARCH, INNOVATION AND EDUCATION IN THE FOOD & FOOD –RELATED SECTORS



Exploitation and sustainability of the products/virtual tools

*ISEKI-Food Association (Observatory)
New projects
University of Teramo*



????

Thanks for your attention

ppittia@unite.it
askfood.secretariat@unite.it



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