

INVITATION

The **Campden BRI Magyarország Nonprofit Kft.** with the support of the **European Commission Directorate General for Regional and Urban Policy (DG REGIO)** and in cooperation with the **National Research, Development and Innovation Office (Hungary)** and the **Ministry of Agriculture (tbc) Ministry of Innovation and Technology (? , tbc.)**, the **Innoskart ICT Cluster** and the **Budapest University of Technology and Economics (BME)(tbc.)** are pleased to invite you to the

**Central European and Transregional Cooperation in Smart Specialisation on the
Modernisation of the Food Industry through Industry 4.0 and Digitisation with particular
focus on developing transdisciplinary competences, skills and demonstration projects
workshop
on 19-20 September 2019 in Budapest, Hungary**

Draft Agenda

Objectives of the event:

- **creating a professional forum** for regional actors (i.e. enterprises, intermediaries including food industry federations, chambers of industry and agriculture, research centres, higher education, research and innovation agencies, funding agencies and clusters) being active in food processing, in development of Industry 4.0, ICT and advanced manufacturing solutions for a **dialogue** on international **transdisciplinary RDI cooperation for application of Industry 4.0 and digital solutions in food processing**;
- **presentation and discussion of the common challenges faced and opportunities in ensuring skilled work force and application of transdisciplinary competences** through training and education approaches and programmes;
- **presenting approaches to initiate pilot/ demonstration projects** which can trigger further applications;
- **building industry based transdisciplinary (food technology+ industry 4.0 + ICT) communities, networks**;
- **fostering the involvement** of the Central European and other European businesses, business associations, clusters into the European networks, initiatives such as **S3 platforms, transdisciplinary, cross-regional and transregional collaborations** and providing opportunities for participants to recognise thematic priorities, to **present their project ideas in view of collaboration**;
- Exchange of experiences on development and implementation of national strategies on application of Industry 4.0 and digitisation of the food industry and other food industry related S3 strategies.

Venue: Budapest University of Technology and Economics, Building I, Budapest, Magyar tudósok körútja 2. 1117

Foreseen number of participants: 100-120. The language of the event is English.

Participation in the workshop is free of charge but your registration is required.

Registration: [\(the development of the registration link is in progress\)](#)

There is an opportunity to present idea pitches directly related to the topics of the event, max. 3 minutes. **Short descriptions should be sent for evaluation by 12 September 2019** to András Sebők (a.sebok@campdenkht.com).

Programme

(Confirmed speakers till now are indicated)

19 September 2019, Thursday

12:30 – 13:00 Registration

13:00 – 13:30 **Opening speeches**

Moderator: Adrienn Molnar (Ghent University, Belgium)

- Official Opening of the event Representative of the NRD Office, Hungary)
- Representative of the Ministry of Agriculture, Hungary) (tbc.)
- Representative of the DG Regio (tbc.)
- Representative of the Hungarian Ministry of Innovation and Technology (tbc.)

13:30 – 15:20

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Strategies to foster the adoption of advances of Industry 4.0 in food factories to improve efficiency and sustainability and to meet the needs of the customers and consumers

Objective: This session will provide an insight into the strategies for flexible, efficient and sustainable food processing

Moderated panel keynote session

Moderator: tbc.

- Systematic approach for matching food industry needs and Industry4.0 and digital solutions (András Sebők, Campden BRI, Hungary)
 - → **strategic approach for facilitating adoption of Industry4.0 in food processing**
- The role of skills and cultural change in the digitalisation of the food chain in the UK (Martin Collison, Collison Associates Limited+ Lincoln University, UK)
 - → **training and strategy for digitisation of the food chain in the UK**
- Key enabling functions of the Industry 4.0 for food processing (tbc),
 - → **main enablers and functions of Industry 4.0 for processing applications**
- Food Industry4.0 Strategy of an EU member state (University of Lemgo (tbc.))
 - → **strategy for introduction of I4.0 in the food processing in Germany**

15:20 – 15:40 Coffee break

15:40 – 18:00 **Parallel thematic sessions on the regional cooperation possibilities, relevant networks, thematic platforms and proposed priority areas for cooperation**

Thematic session 1: Skills, Training and Networks

Main perspective: Insight into the approaches to develop skills and to promote involvement into transregional network collaborations

6 presentations (15 minutes each followed by 50 minutes moderated discussions)

Moderator: (tbd.)

Potential speakers on the following topics, from whom 6 will be selected:

- Impact of automation and robotization on changing necessary skills in the Food industry (Results of the project funded by EFFAT and FoodDrinkEurope (Karen Hamann, IFAU, DK)
- EIT Digital
- Facilitator role of a transdisciplinary ICT and food cluster (Orsolya Szaplanczay, Innoskart Cluster, Hungary)
- Training program on digitisation of the food chain
- European research innovation and networks fostering the adoption of Industry 4.0 and digitisation in the food chain.

Short presentations followed by moderated panel discussion
Q&A

Thematic session 2: Demonstration projects in food processing – 6 presentations

Main perspective: trends in manufacturing solutions with link to food

6 presentations (15 minutes each followed by 50 minutes moderated discussions)

Moderator: (tbd)

Potential speakers on the following topics:

- Additive manufacturing, 3D printing (Craig Leadley, Campden BRI UK)
- Potential of Advanced Robotics in Food Industry (Peter Galambos, University of Obuda, Hungary)
- Application of digital solutions in the food sector in EIT Food projects (Péter Szakos, Siemens Hungary)
- Internet of Things, the Connected Factory, Machine to Machine communication (tbd)
- Artificial intelligence, Learning Machines (tbd)
- Flexible and resource efficient manufacturing, digital twins, simulation (tbd)
- Smart Sensor Systems (tbd.)
- Big Data Analytics, data processing (tbd)
- RFIDs, traceability (tbd)

18:00 – 18:50 Presentation of additional regional collaboration project idea pitches of the participants

19:00 – 22:00 Networking Dinner

20th September 2019, Friday

- 08:30 – 09:00 Registration
- 09:00 – 09:15 **Opening speech**
- DG Regio S3 transregional cooperations (tbc)
- 09:15 – 10:50 Smart Specialisation Platform for Agri-Food (S3P) (session organized by FlandersFood)
4 presentations by members from different countries (maximum 12 minutes each followed by 45 minutes moderated discussion)
Moderator: tbc
Presentation of:
- the Vision and Strategy,
 - Implementation Roadmap
 - Operational Handbook (of network of living labs)
 - Preliminary results.
- to the regional authorities, policy makers, etc. that are present. We would like to challenge these documents and gather their feedback on it.
In this framework we will of course also present some
- 10.50 – 11:05 Coffee Break
- 11:05– 11:20 Short summary of the results of the discussions of the main potential topics for regional cooperation from the previous day
Selection of the topics for the next day discussion sessions in 4 groups
- 11:20– 12:20 Discussion of the selected topics and project ideas in 4 groups by the participants
- 12:20 – 12:50 Feedback from the discussion groups
- 12:50 – 13:00 Wrap-up and conclusions
- 13:00 - 14:00 Buffet lunch