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

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 A, 1111 Budapest, Egry József u. 20-22. **(changed!)**

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.
You can register here
Further information: http://s3platform.jrc.ec.europa.eu/-/modernisation-of-the-food-industry-through-industry-4-0-and-digitisation-with-particular-focus-on-developing-transdisciplinary-competences-skills-and-?inheritRedirect=true

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 NRDI 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 – 15:35 **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: Attila Vörös (Federation of Hungarian Food Industries).

- 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
  - → **strategy for introduction of I4.0 in the food processing in an EU member state**
- Moderated discussion
  - → **short explanation of the plans of the Hungarian Ministry of Agriculture (tbc)**

15:35 – 15:55 Coffee break

15:55 –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

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

Moderator: (tbd.)

Potential speakers on the following topics, from whom 5 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 (the speaker will be confirmed later)
- Facilitator role of a transdisciplinary ICT and food cluster (Orsolya Szaplonczay, Innoskart Cluster, Hungary)
- Promoting cluster and network organisation: An open European Network database (Gerhard Schiefer, University of Bonn, Germany)
- ETP Manufuture (the speaker will be confirmed later)
- Training program on digitisation of 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

5 presentations (15 minutes each followed by 50 minutes moderated discussions

Moderator: (tbd)

Potential speakers on the following topics:

- Additive manufacturing, 3D food printing (Craig Leadley, Campden BRI UK)
- Digital Twins for the Food Industry **(**Herbert Vitzthum, Senior Consultant Digitalization, Siemens CEE, Austria),
- BigData use cases in Food Industry (Ádám Tarcsi, Márta Alexy, ELTE Hungary)
- Secure and Sustainable Food Manufacturing (Giacomo Copany, CNR-STIIMA, Italy)
- 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 – 09:55   **Demonstration projects in food processing II.**
- The Industry 4.0 model plant program in Hungary – Lessons learned (Balázs Tordai, The ICT Association of Hungary
- Potential of Advanced Robotics in Food Industry (Peter Galambos, University of Obuda, Hungary)

09:55 – 11:20   Smart Specialisation Platform for Agri-Food (S3P) (session organized by FlandersFood)

Aim of the session
- Inform the participants on the current state of the specific requirements of the agri-food industry on the use of sensors and the related ICT challenges in the conversion towards industry 4.0
- Present the support measures for food and technology providers developed via interregional collaboration
- To gather feedback on the development of our vision, strategy and implementation roadmap for establishing a long-lasting network between the regions in support of the implementation of industry 4.0 in the agri-food industry.

In the scope of the Connsensys and S3FOOD projects, 4 presentations are given (maximum 12 minutes each, followed by 45 minutes moderated discussion).
Moderator: Flanders' FOOD

Presentations

1. Sensors needs and ICT challenges in the European agri-food industry (Gus Verhaeghe – Flanders' FOOD, Belgium)

2. *Mapping available technologies and support services, setting up a network of living labs (speaker TBC)*

3. *Matching of agri-food industry demands and available technologies: a Technology Catalogue (speaker TBC)*

4. How to establish a European network for long term collaborations: Vision, Strategy and Implementation Roadmap *(Veerle Rijckaert – Flanders' FOOD, Belgium)*

Discussion
We would like to challenge the presented topics and documents and gather the feedback from the regional authorities, policy makers, and other stakeholder that are present

11:20 – 11:50   Coffee Break

11:50 – 12:00　　　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

12:00 – 12:50　　　Discussion of the selected topics and project ideas in 3 groups by the participants

12:50 – 13:10　　　Feedback from the discussion groups

13:10 – 13:20　　　 Wrap-up and conclusions

13:20 – 14:20　　　Buffet lunch