INVITATION

The **Campden BRI Magyarország Nonprofit Kft. and the Chamber of Commerce and Industry of Slovenia - Chamber of Agricultural and Food Enterprises** 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) are pleased to invite you to the

Central European Cooperation in Smart Specialisation on the Application of ICT and Advanced Manufacturing Solutions in the Food Supply Chain workshop on 4-5 April 2018 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 and other steps of the food chain, in development of ICT and advanced manufacturing solutions for a **dialogue** on international **transdisciplinary RDI cooperation for application of these solutions in the food chain**;
- **presentation and discussion of the common challenges faced and opportunities** in the deployment of ICT and advanced manufacturing solutions for food processing and food chain activities;
- **presenting relevant solutions, recent development and trends** ;
- **identifying cross-regional collaboration based on existing networks and new initiatives** and providing opportunities for participants to recognise thematic priorities, to **present their project ideas in view of collaboration;**
- **networking, matchmaking.**

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

Foreseen number of participants: 100-120

Date and place: 4.-5. April 2018, Budapest

Participation in the workshop is free of charge but your registration is required. **Registration:** http://s3platform.jrc.ec.europa.eu/-/central-european-cooperation-in-smart-specialisation-on-the-application-of-ict-and-advanced-manufacturing-solutions-in-the-food-supply-chain-workshop?inheritRedirect=true

Programme

4 April, Wednesday

12:30 – 13:00   Registration

13:00 – 13:40   **Opening speeches**
- Official Opening of the event (Prof. József Pálinkás, President of the NRDI Office)
- Representative of Hungarian Ministry of Agriculture (Mr. Zsolt Feldman, deputy state secretary)
- Representative of the Slovenian Government (tbc)
- Representative of the DG Regio on Smart Specialisation Cooperation in Central Europe (tbc)

13:40 – 15:30   **Enablers and potential solutions in ICT and advanced manufacturing for serving needs of consumers and food businesses to meet challenges for the food industry for proposed regional transdisciplinary cooperation**
Objective: This session will provide an insight into the actual challenges of the food industry and an overview of the existing trends/solutions
Moderated panel keynote session
Moderator: Prof Xavier Gellynck, University of Gent
- Food chain challenges (András Sebők, Campden BRI, Hungary)
  - → **This session will provide an insight into the actual challenges of the food industry**
- Robotics - enablers and solutions for food industry application (Geoff Pegman, RU Robots)
  - → **trends in robotics with link to food processing**
- Advanced manufacturing enablers and solutions for food industry application (Giacomo Copani, ITIA CNR)
  - → **trends in manufacturing business models with link to food**
- Machine Vision Technologies for Food Quality Analysis and Control (Robin Gruna, Fraunhofer Institute of Optronics, System Technology and Image Exploitation – Fraunhofer Alliance Food Chain Management (Germany)
  - → **trends in Industry 4.0 with link to food**

15:30 – 15:45   Coffee break

15:45 –17:45   **Parallel thematic sessions on the regional cooperation possibilities, relevant networks, thematic platforms and proposed priority areas for cooperation**

Thematic session 1: Digitalisation of the food supply chain by combining and exchanging data for creating value
- improving standardised data exchange and information flow management (open data, data analysis),
- improving food safety, quality, authenticity, transparency, consumer information, increasing trust and transparency between food businesses and consumers and customers,
- enhancing consumer engagement and involvement
- improving knowledge transfer and increasing involvement of SMEs through combination of conventional methods with the new enabling functions of digital methods and collaborative tools.

Short presentations followed by moderated panel discussion
Moderator : Jeremy Davies, (Campden BRI UK)

Main perspective: trends in manufacturing business models with link to food

4 -5speakers:
- Importance of business models for digitalization in food production (Aleš Štempihar, President of the IIBA Slovenia Chapter)
- EFITA/University of Turin (Remigio Berruto),
- Hungarian Future Internet Platform (BUTE),
- Development of a digital food supply network with consumers and industry as equal partners -EIT Food
- A speaker on ICT systems (tbc)

Moderated discussion
Q&A

Thematic session 2: Improving the efficiency in use of resources, environmental friendliness and reducing waste and cost.
- improving process control in food processing, with increased use of sensors, activators, software and automation for more efficient use of energy, water, material, labour without compromising food safety and quality, food factory management systems,
- preparation of the application of Industry 4.0 in food processing (Food 4.0) through creating awareness, training and pilots.

Short presentations followed by moderated panel discussion
Moderator: Prof. László Monostori (MTA-SZTAKI, Hungary)

Key perspectives: ***trends in Industry4.0 with link to food***
                         trend in robotics with link to food

4-5 speakers
- S3 platform smart sensor systems 4 agrifood (Gus Verhaeghe, Flanders'FOOD, Belgium)
- How can you prepare the society for the industry 4.0 age – the challenge for the education system (László Vajta, BUTE- Hungary, Hungarian Industry4.0 Platform Association, training working group)
- New opportunities for improved process control provided by Industry4.0 (László Monostori, MTA SZTAKI, Hungary, Hungarian Industry4.0 Platform Association)
- Activities of the cluster for supporting transdisciplinary regional innovation cooperation (Orsolya Szaplonczay, Innoskart Cluster, Hungary)

Moderated discussion
Q&A

17:45 – 18:20   Summary of the results of the panel discussions and comments
                     Selection of the topics for the next day discussion sessions in 4 groups

18:20 – 18:55   Presentation of additional regional collaboration project ideas of the participants

19:00 – 22:00   Networking Dinner

5 April 2018, Thursday

08:30 – 09:00	Registration

09:00 –09:15 **Opening speeches**
- Representative of the Federation of Hungarian Food and Drink Industries / Hungarian National Chamber of Agriculture

09:15 – 09.30 Short summary of the results of the discussions of the main potential topics for regional cooperation from the previous day

09:30 - 10:25 How can European food industry federations and farmers associations and networks and industry associations help regional cooperation?
- Facilitating role of national food and drink industry federations, chambers of industry with members of the FoodDrinkEurope and national food technology platforms - Tatjana Zagorc (CCIS- CAFE, Slovenia)
- Cooperation opportunities between the National Food Technology Platforms and Farmers Associations - Daniele Rossi (Chairman of the Research and Innovation Ad-Hoc Group of the COPA-COGECA, Chairman of the European Collaboration of the NFTPs, Confagricoltura, Italy)
- Peter Varga. ICT Association of Hungary Working group on Agroinformatics
- How can the ETP help the regional and pan-European cooperation on application of ICT and advanced manufacturing solutions in food processing (Remko Boom, Representative of the ETP Food for Life)

     All networks present will be invited to contribute to the discussion
Panel discussion including Q&A

10:25 – 11:40 Discussion of the selected topics and project ideas in 4 groups by the participants

11:40 – 12:00 Coffee break

12:00 – 12:30 Feedback from the discussion groups

12:30 – 13:15 Presentation of relevant funding opportunities for projects (representatives of the NRDI Office, Hungary)
- INTERREG
- H2020 SC2, H2020, ICT LEIT Digitisation of European industry and services, ICT in SC2, LEIT Transforming European Industry (Advanced manufacturing)
- Other funding programmes: cluster cooperation

13:15 – 13:30 Wrap-up and conclusions

13:30 - 14:30 Buffet lunch

14:30 – 14:45 Introduction to the method of the matchmaking session (WATIFY)

14:45– 16:45 Matchmaking session focusing on the transdisciplinary project opportunities in food processing driven by WATIFY

     Coffee will be served during the matchmaking session.