Advancing food and health research in Europe - building a research infrastructure on food related to nutrition and health

Nordic Stakeholder Workshop on how Research Infrastructures for Big Food
Data can help get us on the road to world class insight in consumer food practices

Venue: Lund University, Lund Campus
October 3rd, 2017 | 9.30 - 16.00

Making sense of ever increasing amount of real time and digitally created data is one of society's important challenges. Its important for food system that is vigilant and ready to act fast on hazards and risks in the food sector and its important for science to be able to answer emerging research questions. The private sector, the 3rd sector and government as well as intra-governmental entities will obviously be able to benefit as well. The European RF design study is an attempt to address some of the most important challenges for a future globalized, well-connected and digitalized food sector. It proposes a design for a new vigilant research infrastructure in the food, nutrition and health area.

RF partners in the Øresund area therefore invite Nordic stakeholders to discuss insights so far from the RF study and to discuss how a future European research infrastructure can be created in a way that will add value for a broad range of stakeholders in the Nordic and European food sector, We invite key actor to discuss and share their views with us on how a better and more vigilant and real-time understanding of consumer food practices can be created through the sharing of data from a wide range of digital media sources.

Bent Egberg Mikkelsen   Leif Lundin   Yvonne Granfeldt   Karin Zimmermann

Program

09:30 – 10:00 - Registration, coffee and light breakfast

- Welcome to Lunds University, opening remarks from Yvonne Granfeldt, director of LTH food.
- Interconnectivity & digitalisation as a new paradigm for food, nutrition & health research area. A brief overview of significant cases and ongoing research infrastructure initiatives. Bent Egberg Mikkelsen, Aalborg University
- What research questions can be answered with big food data embedded in a Food, Nutrition and Health Research Infrastructure? Presentation about the FNH-RI science case, Karin Zimmermann, Wageningen University and Research

11:15 – 11:35 - Coffee break

- Making sense of big food data - Erhard Nielsen, chief data analyst, Dagrofa Denmark
- How Big food data analytics can assist food sector, Henrik Dalin, Design lead, Digital Strategy & iX - IBM Sweden
- Slicing and dicing – finding structure and mining the data of Omni channel food retailer - case insights from a case study. Eric-Alan Rapp, CEO and founder of Homemate Ap,

12:35 – 13:30 – Lunch

- The FoodHay – food on the road map for Danish Research Infrastructures, Michelle Williams, AU Food, Aarhus University
- Picture this –a multi-source data predictive model to plan future foodscapes. Samo Olsen, CEO, Mapicture
- Can we use Social Media activity to make sense of food behavior. Hua Lu; Assoc Prof AAU

14:15-15.30 Have a coffee & Share your views. What should be in it for me?

- Introduction to Richfield findings – best practices of data collection, data collection technologies and stakeholder views. Kwabena Ofei.
- Practicalities of the break outs. Bent Egberg Mikkelsen

Each of the three sessions will be guided by a summary of Richfields findings. Groups will be selected by organisers. Sessions are aimed at giving recommendations for the design of the FNH infrastructure. Each group will discuss the following 5 questions.

1. What constraints can you anticipate for a "food RI"? Problems and barriers.

2. What potential can you foresee for an "food RI"? Strengths & opportunities

3. Governance of a research infrastructure. Who decide what?, which stakeholders should be involved in running the RI, which stakeholders needs to be involved in the governance? which privacy issues are important to take into account?

4. Business model of a research infrastructure. How could the RI make money? Who should be paying for using the structure? How do we makes sure that both the hardware (cooperation and sharing of devices, sensors, protocols and equipment) as well as the sharing and cooperation of the soft part (data) is facilitated?

5. ICT and the research infrastructure: How do we integrate different data sets and secure seamlessness, what computer power is needed? Can Block Chain Technology be utilized, how do we take maintenance and data management into account and what about access?

<u>Groups</u>

1. Group Bizz Moderator: Haris Hondo. Notetaker: Mukti Chapagain
2. Group ICT Moderator Bent Egberg Mikkelsen. Notetaker: Yulia Popova
3. Group Food. Kwabena Ofei. Note taker: Shova Acharya Dengal

- The results from each are presented in plenary by the moderator from each group. Wrap up presentation to conclude on user needs and feasibility in Nordic countries and the roadmap to proceed for the next steps, Moderated by Karin Zimmermann and Bent Egberg Mikkelsen

- Closing remarks – what are the next steps towards a future research infrastructure?