

From Waste to Valuables -matchmaking event

23 November 2017, Solo Sokos Hotel Torni Tampere, Ratapihankatu 43

8:30-9:15

Registration and morning coffee

9:00-9:10

Welcoming words

Johanna Alakerttula, Project Manager, The Council of Tampere Region

9:10-9:45

Key note: Sustainable business models

Nancy Bocken, Professor, Lund University

9:45-10:30

Company cases

- Delete Ltd., **Nikolas Ruotsalainen**, Development Engineer
- Soilfood Ltd, **Eljas Jokinen**, Managing Director
- AGCO POWER Inc., **Jarkko Roiha**, Sales and Marketing Manager

10:30-10:40

Introduction to the themes of the parallel working groups

10:40-11:00

Coffee break

11:00-12:30

Parallel working groups

1. **Building as a Service (Baas): Architecture, People and Technology (TUT)**
2. **Circular economy business models and digitalization (VTT, TUT and Business Tampere)**
3. **Making business from nutrient cycle (Luke and TUT)**

12:30-14:00

Networking lunch

14:00-15:30

Parallel working groups continue

1. **Health and welfare effects of wood and bio-based materials in construction (Luke)**
2. **Circular economy business models and digitalization (VTT, TUT and Business Tampere)**
3. **Making business from nutrient cycle (Luke and TUT)**

15:40-16:10

Nordic Industrial Symbiosis Network

Jukka Teräs, Senior Research Fellow, Nordregio
Murat Mirata, Linköping University
Johanna Leino, the Baltic Institute of Finland

16:10-16:30

Results of the working groups

16:30-19:00

Evening party with tasty food and sparkling wine

Demola teams pitch "Demola meets nature" campaign projects



From Waste to Valuables -matchmaking event Parallel working groups

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Building as a Service (Baas): Architecture, People and Technology 11:00-12:30

Global urbanisation calls for new ways of building cities. Circular economy and resource-efficiency as service based new forms of economies can be a game changer for sustainable transition in the building sector.

The workshop looks at emerging technical, spatial, stakeholder management, and digital features of buildings and cities as enablers for new sustainable economies. The workshop defines the concept of BaaS from a multidisciplinary perspective and identifies new business and ecosystem opportunities within services, energy, nature based solutions, information, infrastructure, finance, and spaces. The workshop utilizes the "Wheel of concept" method. The outcome is a definition of BaaS and initial road map for catalysing new ecosystems and businesses benefiting from joint resources.

Introductions to the theme: **Markku Norvasuo** and **Tuomo Joensuu** TUT, **Jukka Viitanen** NCC, **Jaakko Isotalo** Grid vc Oy and **Ville Stenius** Siemens.

Health and welfare effects of wood and bio-based materials in construction 14:30-16:00

Urban life style leads to situation where most of the daily life is spent indoors instead of restorative outdoor environments. By bringing natural elements to inside it is might possible to construct health effective indoor environments and there wood is a first-class material. The workshop brings together companies of wood and bio-based material industry, scientists and designers to talk about the economic and innovation potential of wood and bio-based materials with relation to health effective properties. Quality properties of bio-based materials will encourage the consumers and decision making bodies to replace synthetic fossiliferous materials with wood and bio-based components, supporting sustainable development.

Introductions to the theme: **Markku Karjalainen** TUT, **Kalevi Korpela** UTA and **Riina Muilu-Mäkelä** Luke.

Circular economy business models 11:00-12:30 and 14:30-16:00

Circular economy opens novel business opportunities for companies who are able to transform their business models more circular by closing the material loops, extending product life cycles and saving resources. In order to move towards circular, companies face multiple challenges related to the value co-creation in ecosystems, digitalization and consumer understanding.

In the workshop we hear inspiring cases on circularity, seek solutions for the challenges and find new partners with the speed dating method.

Introductions to the theme: **Juuso Viitikko** Uusioaines Oy, **Jaakko Levola** ResQ Club, **Reijo Välikangas/ Kristi Toivonen** City of Tampere, others to be confirmed.

Making business from nutrient cycle 11:00-12:30 and 14:30-16:00

Recycling phosphorus and nitrogen is important to promote water protection, food security and circular economy. Increasing the efficiency of nutrient recycling requires doers, open-minded partnerships, and co-operation between all administrative sectors.

To enhance the recycling of nutrients, the processing of different side streams must be boosted. This workshop focuses on raw materials, technologies and recovery methods related to nutrient recycling. The aim of the workshop is to facilitate the birth of new innovations, business and co-operation as well as to outline solutions that can be taken to practice.

The participants are informed of different funding options, ongoing initiatives by funding bodies and by experts from different forerunner companies. The workshop is organized in small group discussions that are led by specialists from the field.

Introductions to the theme: **Arja Nykänen** Ministry of the Environment, **Mikko Rahtola** Luke and **Jukka Rintala** TUT.

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24 November 2017, Solo Sokos Hotel Torni Tampere, Ratapihankatu 43

9:00

Bus transport from Hotel Torni Tampere to parallel site visits

Address: Ratapihankatu 43, Tampere

9:30-12:00

Programme at parallel site visits (choose one when registering to event)

Hiedanranta – Circular economy in urban environment

- **Topic: Hiedanranta circular development plans and visions**
- **Commentary speech by Murat Mirata, University of Linköping**
- **See Evergreen Farm and Carbofex biocarbon plant**

Nestled on the shore of Lake Näsijärvi, Hiedanranta is a future smart city district that is being developed with a circular economy concept in collaboration with city residents, businesses and organisations. The plan is to build homes for 25 000 residents and facilities for 10 000 jobs.

ECO3 – Eco-industrial park in Nokia

- **Participate in the ECO3 area tour by bus**
- **Hear about industrial symbiosis development and plans of ECO3**
- **Visit Molok and learn about the success story of Molok containers**

ECO3 is an innovative, industrial-scale, multidisciplinary bio- and circular economy business area, that it being built on the Kolmenkulma business park, at the border of Nokia, Tampere and Ylöjärvi. ECO3 offers companies co-operation, shared resources, concepts, platform services and joint visibility.

TUT and VTT laboratories in Hervanta

- **Visit and meet the researchers of TUT Laboratory of Civil Engineering, TUT Laboratory of Chemistry & Bioengineering and VTT Plastic Processing Facilities**
- **Hear about different research projects and collaboration possibilities. [Read more](#)**

12:30

Back at the Hotel Torni Tampere