



Eco-innovation and tech showcase event

28 November 2018

Millenáris Startup Campus, Budapest, Hungary

Session topics information pack



Event presented by:



Project co-funded by the European Union funds (ERDF and IPA)

In cooperation with:



Session 1

Sustainable airports + landside mobility

Session guest:



Budapest Airport

www.bud.hu

Key topics:

eco-innovation for airports
 digital innovation for airports
 landside mobility
 electric mobility
 optimising airport-city integration
 vehicle parking
 + open topics

The session focuses on eco, digital, smart and technical solutions for airports, in particular landside mobility.

The magnitude and growing trend of air travel creates significant eco-challenges as larger numbers of airport passengers and employees are traveling to and from airports. Airports in the region are implementing innovative landside mobility solutions, airport-city integration and vehicle parking infrastructure solutions and also provide ideal test environments for various landside mobility developments and services.

Airport operators' goals are to further reduce energy use and environmental impacts of the airport with economically viable, realistic solutions and insure gains in sustainability activities / sustainable operation.

Airport operators are seeking eco-innovation, digital solutions and technologies for sustainable airports + landside mobility and especially in the areas indicated below.

Identified eco issues:

landside mobility

reducing landside congestion
 improving low carbon/green mobility
 changing mobility behaviours of airport passengers
 walking and cycling
 shared mobility
 wayfinding

electric mobility

electric mobility (e mobility)
 smart charging stations

optimising airport-city integration

integrating airport parking with city transport
 infrastructure
 mobility integration of airports and urban areas
 smart roads

vehicle parking

optimising vehicle parking solutions
 digital models for vehicle parking
 linking vehicle parking buildings with airport buildings

+ open topics

information technology systems
 other digital / eco solutions

Eco x Digital collaboration topics:

Renewable energy and energy management at airports
 Fresh food production and consumption at airports

Data for developers:

Airports have significant amounts of data available for developers. There is a need to collect further data on passenger behaviour and needs, however traffic and transportation related data is available

More information:

Budapest airport website: <https://www.bud.hu/>

Municipality of 18th district of Budapest: www.bp18.hu

LAirA (Landside Airport Accessibility): <https://www.interreg-central.eu/Content.Node/LAirA.html>

Huge new multilevel car park for Budapest Airport: <https://welovebudapest.com/en/2018/09/17/huge-new-multilevel-car-park-for-budapest-airport/>

Session 2

Fresh food farming

Session guest:



Eisberg Hungary

www.eisberg.hu

Key topics:

eco-innovations for horticulture / fresh food production
extending the growing season of local fresh vegetables
(sustainable, weather independent)
managing waste water
+ open topics

The session focuses on innovation, new technology, developments as well as digital, smart and technical solutions for fresh food farming.

Fresh vegetables are consumed throughout the year in the central Europe region. The magnitude and growing trend of eating fresh vegetables creates significant eco-challenges regarding production and transport when vegetables are not in season. There are also eco challenges regarding fresh vegetables preparation and packaging.

Fresh food producers in the region are implementing innovative solutions to increase growth seasons and reduce the environmental impacts of food transport. Producers are also reducing the environmental impact of fresh food preparation via innovative use of waste water at the same time as reducing costs.

Fresh food producers' goals are to further reduce energy use and environmental impacts of vegetable production, transport and packaging with economically viable, realistic solutions. The aim is to support more sustainable, dependable and local farming and extend the growing season with new solutions, thereby reducing the environmental impacts of food transport.

Fresh food producers are seeking eco-innovation, digital solutions and technologies for fresh food farming and especially in the areas indicated below.

Identified eco issues:

eco-innovations for horticulture / fresh food production

collecting data about weather and plant growth

sustainable, dependable and local vegetable production

sustainable, dependable and local farming of leafy greens

reducing transport distances via local production of vegetables

increasing the growing season of fresh vegetables

increasing the growing season of fresh vegetables in Central Europe

Data for developers:

Fresh food producers have significant amounts of data available for developers. There is significant need for further data collection and analysis in this sector.

More information:

Eisberg Hungary Kft website: www.eisberg.hu

managing waste water

managing waste water from vegetable washing

+ open topics

information technology systems

creating opportunities for the use of renewable energy sources

other digital / eco solutions

Eco x Digital collaboration topics:

Fresh food farming with renewable energy and energy management

Fresh food production and consumption at airports

Session 3

Green energy systems

Session guest:



Alteo Nyrt.

www.alteo.hu

Key topics:

eco-innovations for green energy systems

digitalization & energy

green energy generation

energy storage

systems

+ open topics

The session focuses on green energy generation, digitalisation of energy generation and solutions for storage and systems.

Energy producers' and systems operators' goals are to further reduce environmental impacts of energy generation and storage with economically viable, realistic solutions. The aim is to support more sustainable energy generation, storage and consumption with new business models, digitalisation and innovation.

Energy producers and systems operators are seeking eco-innovation, digital solutions and technologies for green energy systems and especially in the areas indicated below.

Identified eco issues:

eco-innovations for green energy systems

Distributed generation, mini-grids and "prosumers"

digitalization & energy

virtual power plants

development of sustainable energy supply solution

energy storage

systems

green energy generation

energy production

Operation of power plants

Decentralized, renewable electricity production

Data for developers:

Significant amounts of data available for developers. There is a need to collect further data.

More information:

Alteo Nyrt. website: www.alteo.hu

Digitalization and Energy – International Energy Agency website: <https://www.iea.org/digital/>

+ open topics

information technology systems

creating opportunities for the use of renewable energy sources

other digital / eco solutions

Eco x Digital collaboration topics:

Renewable energy and energy management at airports

Smart energy production in airport buildings

Fresh food production using renewable energy.

Contact us

For further information please contact:

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