

Lahti University of Applied Sciences -

Ishizaka co-operation seminar 7th of November, 2017

A key player in environmental education and expertise



Leverage from
the EU
2014-2020



From the great history to an even brighter future

<https://www.youtube.com/watch?v=38r2HEe2-HA>

Connections with companies

- Companies located at the campus enhance efficient student interaction with working life. Currently there are approximately 70 companies at the NiemiCampus, unique solution attracts more and more companies.

Modern spaces and facilities

- Modern spaces and modern educational technologies

Unity

- All faculties will be functioning under the same roof, which strengthens unity and fellowship

Multidisciplinary and multiactor

- Cooperation between Lahti UAS faculties and with the University of Helsinki and Lappeenranta University of Technology



Campus Furniture Projects: an example of a company project

- WHO?** Students from Furniture Design / Lahti UAS Institute of Design
- WHAT?** New concepts and furnitures for all the spaces at the new campus
- HOW?** Long term students driven design hand picked ones manufactured by Isku-Group
- WHY?** Need for new solutions for the learning environments and showing the know-how of the students at the new campus
- WHAT ELSE?** New products for the open markets, succes stories for the students





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- How “Not In My Neighborhood” turned to “Be In My Neighborhood”
- Ishizaka’s operational model: one price to all customers big or small
- staff training & capacity building





LAMK

- Co-operation and co-development of Lahti City & Lahti University of Applied Sciences & Lahti Region & Local Companies in environmental
 - education
 - research & development & innovations
 - business

- Ishizaka as a waste management company knows Asian market, legislation and has unique model to provide
- Lahti UAS as a university has expertise in co-development of new solutions, education and research process

Education for sustainable development

- Students learn sustainability in practice when doing projects to companies, to Lahti City or working in external funded development projects
- Students
 - develop new solutions
 - create new business ideas
 - communicate with residents
 - make information visual and easy to understand
- Sustainability education is integrated into professional studies
- This approach gives an opportunity to co - operation



How to improve energy efficiency of lighting of an industry building

<https://www.youtube.com/watch?v=Bok5kKoNKCE&feature=youtu.be>

How to produce heat energy from horse manure

<https://www.youtube.com/watch?v=7OT08q6oSwY>

Information about electric cars

<https://www.youtube.com/watch?v=IUj0jQWi-l>

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New business from discarded textiles?
From crazy ideas to a new innovation

<https://www.youtube.com/watch?v=gQs89u4APbQ>



LAMK

Vipuvoimaa
EU:lta
2014–2020



2017

2020

2025



Sustainable food systems as a part of bio circular economy

Introduction

Towards energy self-sufficiency by sustainable transport and energy solutions

Shared economy generates new consumption models and business opportunities

Goals

The Pajät-Häme Road Map has five main themes. Regional goals and actions have been set for each theme. Below are the goals and examples of actions.



Piloting and demonstrating innovative circular economy solutions

Closed loops of technical streams to create added value

Actions

- Creation of digital platforms to optimise logistics related to re-use of company side streams
- Material collection pilots for the construction and other sectors
- Establishment of a Circular Material Library to promote circular economy through product design and new industrial symbiosis

TEKNISET MATERIAALIT

PÄIJÄT-HÄMESSÄ




ASH

TONS PER YEAR



- Producers: cities / municipalities
- About 75 000 metric tons / year
- Approximately 55 % is reused
- For land construction
- As fertilizer (about 1000 metric tons)
- New opportunities: road construction, soil and treatment methods, digitalization



Campus meets Factory =
Unique Future Learning
Environment

New Lahti UAS. New Campus.
2018

Thank you!

Wellcome to Lahti!

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