

Arctic Wood Building and Circular Economy Forum 24.5.2018



Circular Economy in Lapland UAS

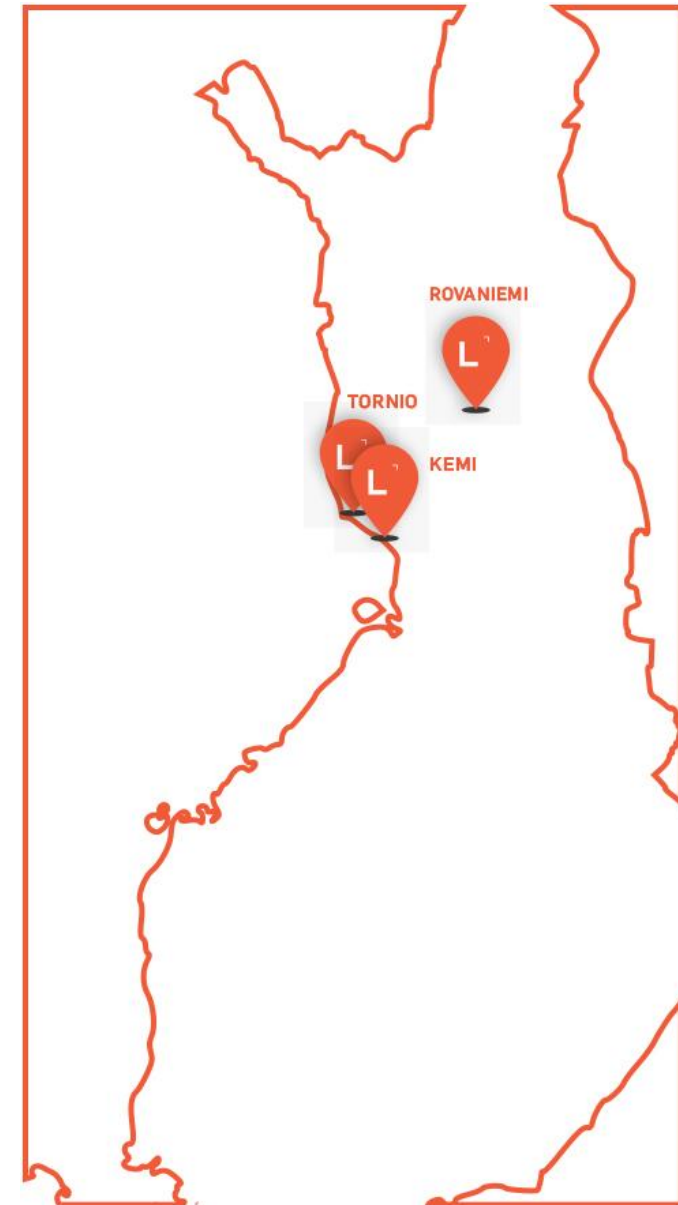
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School of Industry and Natural Resources

Lapland UAS

- 5500 students
- 500 employees
- annual turnover 40 M€
- annual turnover of RDI 8 M€
- three campus areas:
 - Kemi (headquarters)
 - Tornio
 - Rovaniemi



Lapland UAS

- We offer education in:
 - School of Industry and Natural Resources
 - School of Business and Culture
 - School of Social services, Health and Sports
 - School of Hospitality and Tourism
 - Master Degree Programmes



Lapland UAS Strategy

- Arctic and cross-border: **1.600 km of borders**
- Managing distances: **logistics and ITC solutions**
- Natural resources: **forestry, mining and tourism**
- Safety and security: **operators and business life**
- Business: **training and RDI for companies**



Our strategy offers a solid basis for developing **Lapland UAS CIRCULAR ECONOMY** activities

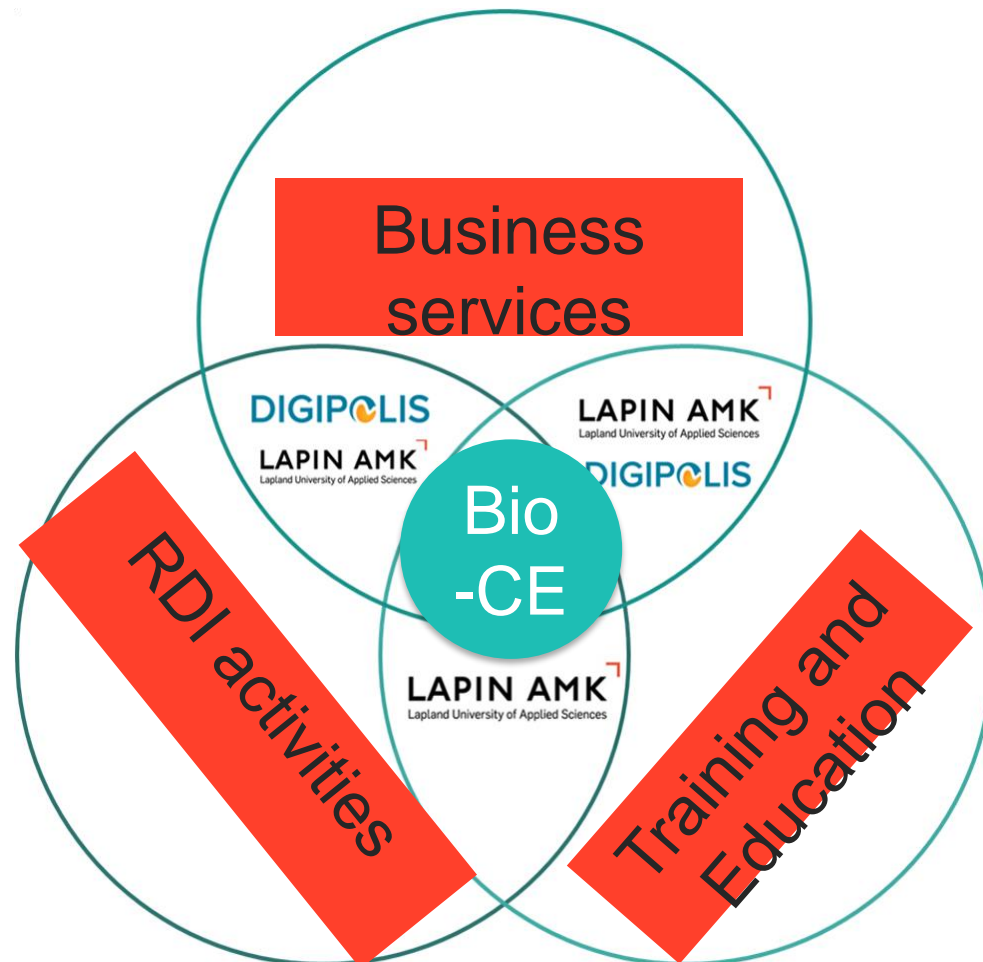
Lapland UAS CIRCULAR ECONOMY activities

Lapland UAS Circular Economy (CE)

- large portfolio of RDI projects since 1.1.2014
- today more than 100 on-going projects
- CE gained attention in late 2016
- CE is linked with sustainability science
 - about 30 on-going projects with CE relevance
- first CE projects got funding in 2017
- in 2017-2018 five new CE education projects

Lapland UAS Circular Economy

- On-going CE projects:
 - **Kierto**: developing Lapland UAS action plan for CE activities in cooperation with Kemin Digipolis Oy



**Bio- and circular
economy center
2017-**

Lapland UAS Circular Economy

- On-going CE education projects:
 - **CE School**: industrial side streams for engineering students (60 credits)
 - **Bio-CE- retraining/upgrading module** (120 credits)
 - **CE training for building and natural resources** sector (10 credits)
 - **CE training for 19 Finnish UAS**. Lapland UAS acts as a coordinator (2,5 M€ funding from the Ministry of Education and Culture)
 - extensive cooperation between 19 UAS

Lapland UAS Circular Economy

Challenges for our CE activities:

- scientific basis for our future projects
 - economic, environmental and social benefits of projects
- relevant information from companies
 - data for analyses, calculations and scenarios
- working relationships within and between organizations
 - flexibility and open minds

Lapland UAS Circular Economy

What Lapland UAS has to offer:

- in 2017 Lapland UAS employed 271 people with Masters Degree and 49 with PhD Degree
- we are the major organization in Lapland servicing companies at local, national and international levels
- we offer companies access to cost effective services
 - students' theses, special projects, and on-the-job training
- we are committed to improving our flexibility and proactive working with others

*I'm fire. I'm ice.
I'm a storm. I'm calm.
I'm strong and sensitive.
I have the Northern Factor*