



# ***Tervetuloa ilmansuojelupäiville!***

Jari Hämäläinen

Vararehtori, tutkimus ja innovaatiot

Lappeenrannan-Lahden teknillinen yliopisto **LUT**



# LUT IN FIGURES 2018

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**1969**

founded in 1969,  
combining technology and  
business from the start

**80 M**

funding €80 M: Ministry of  
Education and Culture €48 M,  
supplementary funding €32 M

**920**

scientific publications

**1000**

staff members

**5000**

Bachelor's and  
Master's students

**81**

different nationalities  
on campus

**524**

doctoral students

**1/3**

of incoming students  
are international

LUT UNIVERSITY STRATEGY 2020

# TRAILBLAZER

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Show the way.  
Never follow.

*Clean energy and water,  
a circular economy and sustainable  
business are the key questions of  
humankind to which LUT seeks  
solutions through technology  
and business.*





# TRAILBLAZER STRATEGY 2020

## CLEAN ENERGY

- Energy markets and solar economy
- Energy conversion and storage technologies
- Sustainability science

## SUSTAINABLE BUSINESS AND ENTREPRENEURSHIP

- Innovation and sustainable value creation
- SMEs and international entrepreneurship
- Business analytics and decision-making
- Digitalisation of businesses

## CIRCULAR ECONOMY

- Water purification and reuse
- Processing of secondary and renewable raw materials
- Products and life cycle assessment

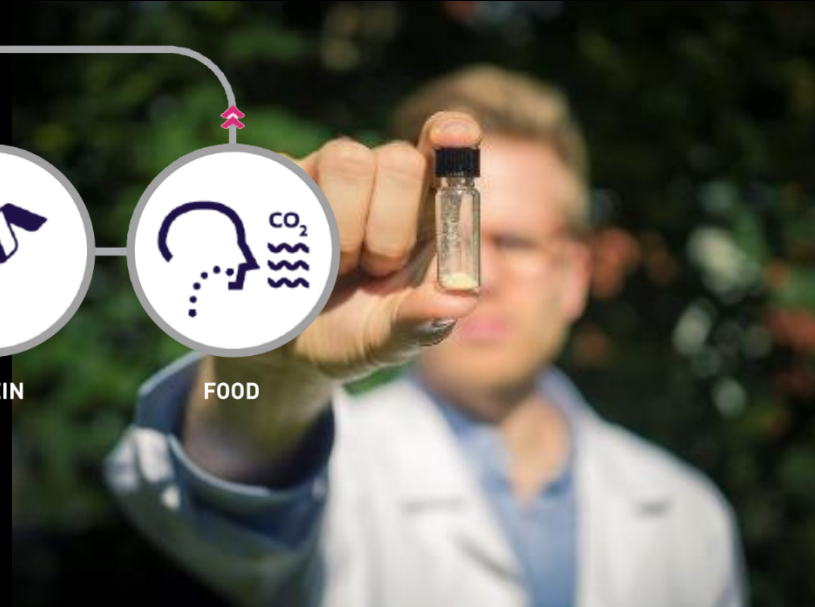
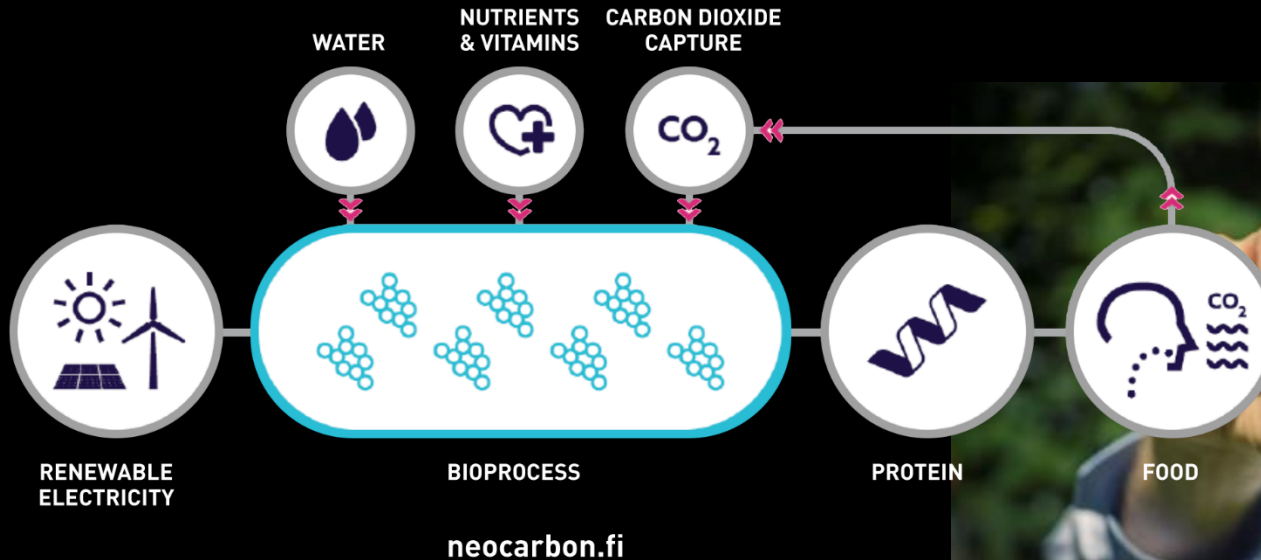
## CROSS-CUTTING THEMES

- Digitalisation and data science
- Focus area research in the Russian context and with the best Russian partners

OUR VALUES | COURAGE TO SUCCEED. PASSION FOR INNOVATION THROUGH SCIENCE. WILL TO BUILD WELL-BEING.

# SUSTAINABLE AIR MANAGEMENT

## BASED ON OUR CURRENT EXPERTISE



# PROFI5: SUSTAINABLE AIR MANAGEMENT

## EMERGING FIELD IN CIRCULAR ECONOMY

- Sustainable air management: *How to manage and utilize atmospheric resources to turn emissions into fossil-free products*
- We will focus our research on
  - modelling and monitoring air emissions
  - separation processes of these emissions
  - ability to remove emissions directly from the air
- First impactful step to renew LUT's research as we are approaching a new strategy period after 2020

