



LAND OF THE CURIOUS



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LUT UNIVERSITY

Sustainability in the heart of strategy & Sustainable campuses

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LUT IN FIGURES

1969

founded in 1969 – combining
technology and business from
the start

107 M€

funding € 107 million:
Ministry of Education and Culture € 56,3 million,
supplementary funding € 50,7 million (2022)

7 110

Bachelor's and Master's students

1 237

staff members (2022)

1 034

scientific publications (2022)

98

nationalities on campuses

400

doctoral students

1/3

of first-year students are foreign nationals

” We have the **courage** to succeed,
passion for innovation through science
and a **will** to build well-being.

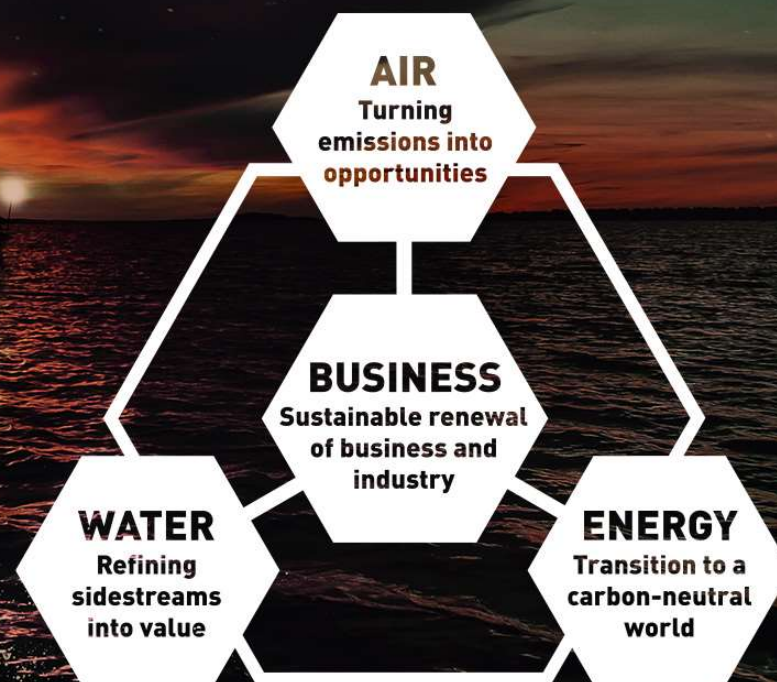
LUT UNIVERSITY STRATEGY 2030

TRAILBLAZERS

Science with a Purpose

SYSTEM

EARTH



LAPPEENRANTA CAMPUS

- » In the district of Skinnarila by Lake Saimaa
- » Students: 5 500
- » Staff: 920 (12/2021)
 - » Staff travels between the two campus cities
- » The City of Lappeenranta won the European Green Leaf Award 2021 in a competition organised by the European Commission.



LAHTI CAMPUS

- » In the district of Niemi
- » Academic activity since 1996, independent campus as of 2019
- » Students: 800
- » Staff: 170 (12/2021)
 - » Number of employees on the increase
 - » Staff travels between the two campus cities
- » The City of Lahti received the European Green Capital Award 2021 in a competition organized by the European Commission.





LUT is among the
**WORLD'S
TOP 350**
universities in THE Rankings



LUT is among the
**WORLD'S
TOP 150**
business schools in THE Rankings



We are among the
**GLOBAL
TOP 65**
in Citations per Faculty,
QS World University 2022 Ranking



LUT is among the world's
TOP 11
best small universities



LUT is among the world's
TOP 200
universities in Impact Rankings

**The Times Higher Education Impact Rankings assess the social, economic and environmental impact of universities against the UN's Sustainable Development Goals*





LUT University ranks

NINTH IN THE WORLD

in terms of climate actions – SDG 13

The Times Higher Education Impact Rankings 2022 assess the social and economic impact of universities against the UN's Sustainable Development Goals.



THE IMPACT RANKING – SDG 13 METRICS AND INDICATORS

1. Research on climate action (27%)

1. CityScore
2. FWCI
3. Publications

2. Low-carbon energy use (27%)

1. Low carbon energy tracking
2. Energy use total & low carbon (GJ)

3. Environmental education measures (23%)

1. Local education programmes on climate
2. Climate Action Plan, shared
3. Co-operative planning for climate change disasters
4. Inform and support government
5. Environmental educational collaborate with NGOs

4. Commitment to carbon neutral university (23%)

1. Commitment to carbon neutral university –
Have a target date by which it will become carbon neutral according to
the **Greenhouse Gas Protocols**? Scope 1, 2, 3 (partial or full)
2. Achieve by – target year

» Footprint 50% - Handprint 50%



THE IMPACT RANKING – SDG 7 METRICS AND INDICATORS

1. Research on clean energy

1. CityScore
2. FWCI
3. Publications

2. University measures towards affordable and clean energy

1. Energy-efficient renovation and building
2. Upgrade buildings to higher energy efficiency
3. Carbon reduction and emission reduction process
4. Plan to reduce energy consumption
5. Energy wastage identification
6. Divestment policy

3. Energy use density

1. Energy usage per sqm

4. Energy and the community

1. Local community outreach for energy efficiency
2. 100% renewable energy pledge
3. Energy efficiency services for industry
4. Policy development for clean energy technology
5. Assistance to low-carbon innovation

» Footprint 50% - Handprint 50%





SUSTAINABILITY

Our activity is steered by ecological, economic and social sustainability.

GLOBAL SUSTAINABILITY CHALLENGES



LUT is committed to the UN's Sustainable Development Goals. Through our Trailblazer 2030 Strategy and research, we influence particularly the ones above.



CARBON NEGATIVE LUT

by the end of 2024. We aim to stop climate change – not merely adapt to it.



SYSTEMATIC WORK EVEN BEFORE AMBITIOUS GOALS

- » Green Campus 2011
 - » introduction of green technology on campus
 - » Solar panels, Windmill, Smart Grid (also for research & educational purposes)
 - » Solar panels produce about 5% of the electricity LUT consumes per year

- » Environmental management system 2013
 - » ISO 14001
 - » Targets and action plans for electricity, heating, waste recycling, water consumption, business travel and procurements
 - » Purchased electricity – 100% renewable

- » All the way
 - » campaigns, workshops and training for staff and students
 - » Co-operation with different stakeholders

LUT STRATEGY 2030 – ACTION PLAN 2020-2024

- » Action Plan 3. **Open, dynamic and attractive intercultural campuses**
- » Target: **Carbon-negative LUT in 2024**
 - » Our **campuses are also test platforms** for our research and the solutions it produces.
 - » We **measure our SDG impact annually** with the help of the THE Impact Ranking. Target: a position in the top 100 in 2024.
 - » We are **calculating our carbon footprint** annually by GHG Protocol.
 - » We are **planning and implementing emission reduction** actions based on carbon footprint calculations (Climate Action Plan).
 - » We will **evaluate our carbon handprint**, which reflects the utilisation of our research-based solutions in business enterprises and society.
 - » We will **increase the commitment of staff and students** and also **increase the collaboration with our stakeholders**.
 - » We will **report our impact annually** in our sustainability report and in accordance with the reporting requirements of the SDG Accord.

LUT IS COMMITTED TO...

- » [UN's Global Compact \(2021\)](#)
- » [SDG Accord \(2020\)](#)
- » the common theses of sustainable development and responsibility of Finnish universities (2020)
- » [ISCN \(International Sustainable Campus Network\) Charter \(2011\)](#)
- » [WWF Green Office](#) environmental management system (2012)
- » The LUT School of Business and Management (LBM) is committed to the UN's Principles for Responsible Management Education ([PRME](#)) (2015)
- » [Race to Zero \(2021\)](#)



Global Compact
Network Finland

The SDG Accord

The University and College Sector's Collective Response to the Global Goals



LUT examples

THREE PILLARS OF SUSTAINABILITY

» Economic responsibility

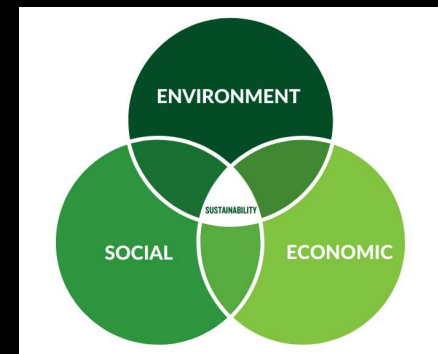
- » Annual financial statement (the principle of openness)
- » The Principles for Responsible Investment (PRI), and Environmental, Social, and Governance (ESG) factors are considered in all investments, Donations to various charities
- » Scholarships for students, summer jobs for students

» Social responsibility

- » Equality and non-discrimination plan, Accessibility (facilities, teaching and materials)
- » Tools and training for gender-sensitive guidance, Share of female employees (47% in 2021)
- » Scholarships, Students take part in decision-making, Share of female post graduate students (36% in 2021), Employment rate of graduates (96% in 2021)

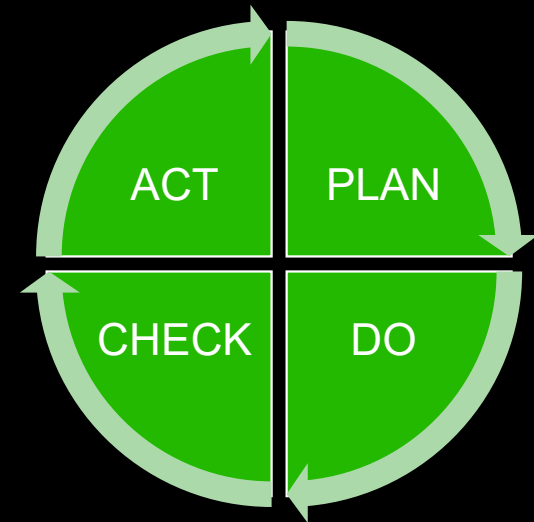
» Environmental responsibility

- » Carbon footprint (GHG Protocol, annual calculations)
- » Climate Action Plan
- » In procurements, business travel, facility operations and maintenance, campus restaurants



LUT'S SUSTAINABILITY MANAGEMENT SYSTEM

- » **POLICY** – LUT's Sustainability Policy
- » **PLAN** – planning
 - » Sustainability aspects, legal requirements
 - » Objects and targets
 - » Programs, action plans, indicators
- » **DO** – Implementation and operation
 - » Training, awareness, communication
 - » Implementing the actions, activities of responsible persons
 - » Various events and campaigns (also together with stakeholders)
- » **CHECK** - Assessment
 - » Collection of indicator data
 - » Calculating the carbon footprint
 - » Monitoring the progress of the action plans
- » **ACT / IMPROVE** – Review and take action
 - » Management reviews annually: Steering group of quality and sustainability + LUT's management team
 - » Setting up new targets → planning new actions →



■ LUT's Sustainability management system

ASPECTS AND TARGETS

A. Scientific research

1. The number of scientific publications related to LUT's strategic SDGs (6, 7, 8, 9, 12, 13) will increase.

B. Academic education

2. 100% of LUT's new students will undergo an orientation related to sustainable development.
3. All of LUT's degree programmes will develop students' expertise in sustainable development.
4. LUT will classify its courses based on the SDGs they deal with.
5. LUT's Bachelor's and Master's graduates will estimate that their sustainability competencies have developed more strongly than other university graduates in Finland.

C. Sustainable campuses

6. LUT aims to be carbon negative in 2024 in accordance with its Climate Action Plan.

D. Societal interaction

7. LUT will strengthen its impact and promote sustainable development in collaboration with its external stakeholders following its LUT Trailblazer 2030 strategic action plans and Climate Action Plan.
8. The LUT Junior University will establish and develop wide-ranging science and technology education that strengthens the sustainable development competencies of children and youth regionally.

COMMITTED TO UNIFI'S THESES ON SUSTAINABLE DEVELOPMENT AND RESPONSIBILITY

A. Sustainable and responsible research

1. Research activities are aimed at solving great sustainability challenges.
2. Attention is paid to sustainability and responsibility in the assessment and funding of research projects.
3. Universities support an interdisciplinary approach, the principles of open science and a multifaceted global perspective in finding solutions to sustainability challenges.

B. Teaching promoting sustainable development

4. Studies in sustainable development are part of all degrees and the continuous learning offered.
5. Universities promote the accessibility of higher education and a safe research and teaching environment.

C. Universities' own functions and administration create a responsible and sustainable world

6. Universities' management, administration and campus activities are in line with the sustainable development goals.
7. Universities follow the principles of a carbon neutral circular economy in their activities and take concrete measures to foster biodiversity.
8. Universities work actively to promote equality, equity and well-being.

D. Societal impact and cooperation as drivers of change

9. Universities are bold, committed and responsible partners that act and exert influence at both national and international levels.
10. Universities share sustainable and responsible practices openly and actively and develop them together.

E. The preconditions for responsibility and sustainable development are created in cooperation

11. Universities integrate sustainability and responsibility work in their strategy and allocate more resources and monitoring tools to it.
12. Sustainable development and responsibility are strongly visible in the national funding model, evaluation and auditing of universities.



SUSTAINABLE ACTIONS ON BOTH CAMPUSES

We create a responsible campus culture with a small carbon footprint.



CARBON NEGATIVE LUT 2024



- >> Carbon footprint - Greenhouse Gas Protocol
 - 2022 - **2288 t CO₂ ekv**
 - Major sources of emissions: commuting, district heating, food services, business travel
- >> Climate Action Plan for 2021-2024
 - Includes actions for the following emission sources:
 - LUT fleet, Business trips, Electricity, Heating, Waste, Food, Commuting
 - In addition to SDG 13, the Action Plan promotes the following SDGs:



- >> expertise of Sustainability Science Carbon Negativity Team



LUT'S CLIMATE ACTION PLAN 2021-2024

» BUSINESS TRAVEL - Reduction of business travel emissions

- Updating the travel guidelines
- Finding ways together with the travel agency to promote climate-friendly travel choices

» CARS OWNED BY LUT - Minimisation of emissions of vehicles owned by LUT

- Reducing the number of cars owned by LUT Universities and/or trading them in for lower-emission vehicles.

» WASTE - Promotion of waste sorting on the campuses

- Negotiations with the property owner on switching to carbon neutral waste management/compensation
- Finding out how waste management needs to be improved
- Increasing awareness of waste sorting on campus (with students and stakeholders)



LUT'S CLIMATE ACTION PLAN 2021-2024

» DISTRICT HEATING - Optimisation of heating consumption based on occupancy

- Assessing the need for space
- Dropping the room temperature when a space is not in use.

» ELECTRICITY - Increasing self-sufficiency in electricity production and reducing electricity consumption

- Continuing the purchase of carbon neutral electricity
- Campaigning for electricity conservation with students and stakeholders
- Increasing solar power production annually
- Changing cooling systems into free cooling systems in collaboration with University Properties of Finland
- Reducing electricity consumption by installing more energy efficient lighting in collaboration with the property owners
- Reducing ventilation rates when facilities are not in use



LUT'S CLIMATE ACTION PLAN 2021-2024

» MEALS ON CAMPUSES - Systematic solutions to reduce the carbon footprint of customers in campus restaurants

- Increasing collaboration with campus restaurants to reduce negative climate impacts of meals
- Requesting tenders for climate friendly event catering
- Arranging campaigns with restaurants, students and other stakeholders

» COMMUTING - Systematic solutions to reduce the carbon footprint of commuting between home and campus

- Increasing cooperation with the campus cities. Making mobility to the campuses more sustainable
- Continuing the availability of rental bikes on the Lappeenranta campus
- Increasing student and staff awareness of changing rooms and showers on campus and of safe bicycle parking and charging areas on both campuses
- Campaigning for sustainable mobility with students and stakeholders
- Exploring possibilities to introduce university-owned bicycles and public transportation tickets paid by the employer

TOGETHER WITH STAKEHOLDERS

» Electricity:

- Buildings owners (SYK & ISKU) - investments in energy efficiency, energy manager system, renovation projects, solar panels

» Heating:

- Local energy companies - District heating in our Campus cities is produced locally with renewable and recycled fuels
 - **Lahti – EU Green Capital 2021:** Emission factor– 57,34 kgCO₂/MWh
 - **Lappeenranta – EU Green Leaf 2021:** Emission factor– 68 kgCO₂e/MWh
- Buildings owners (SYK & ISKU) – energy manager system, technical solutions (air-to-heat pumps, geothermal heat), renovation projects

» Waste:

- Building owners – waste sorting instructions
- Local Waste Disposal Companies



Luovu auton sisätilan
lämmittimestä ja esi-
lämmitä auto pelkästään
lohkolämmittimellä.
Käytä myös auton
ilmastointia harkiten.
Hiilijalanjälki pienenee
60 kg / henkilö / vuosi

Lappeenranta campus 1.-5.11.2021

SUSTAINABILITY WEEK





Report on

SUSTAIN- ABILITY 2022



Published in May 29th.
Please, see more: lut.fi/sustainability

