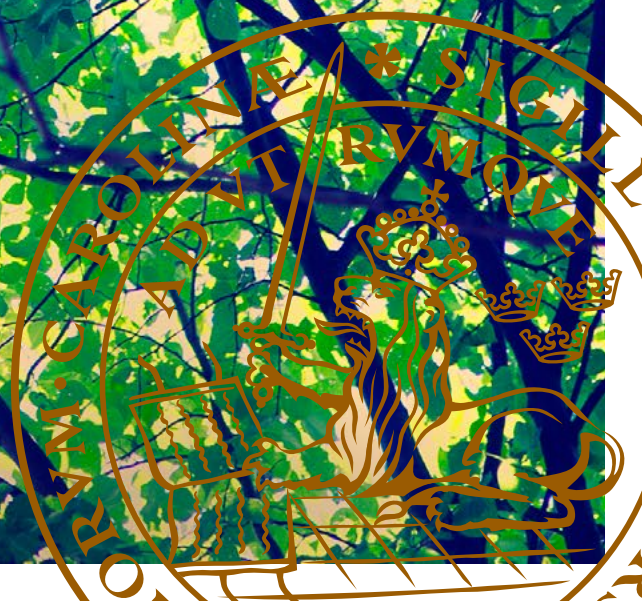
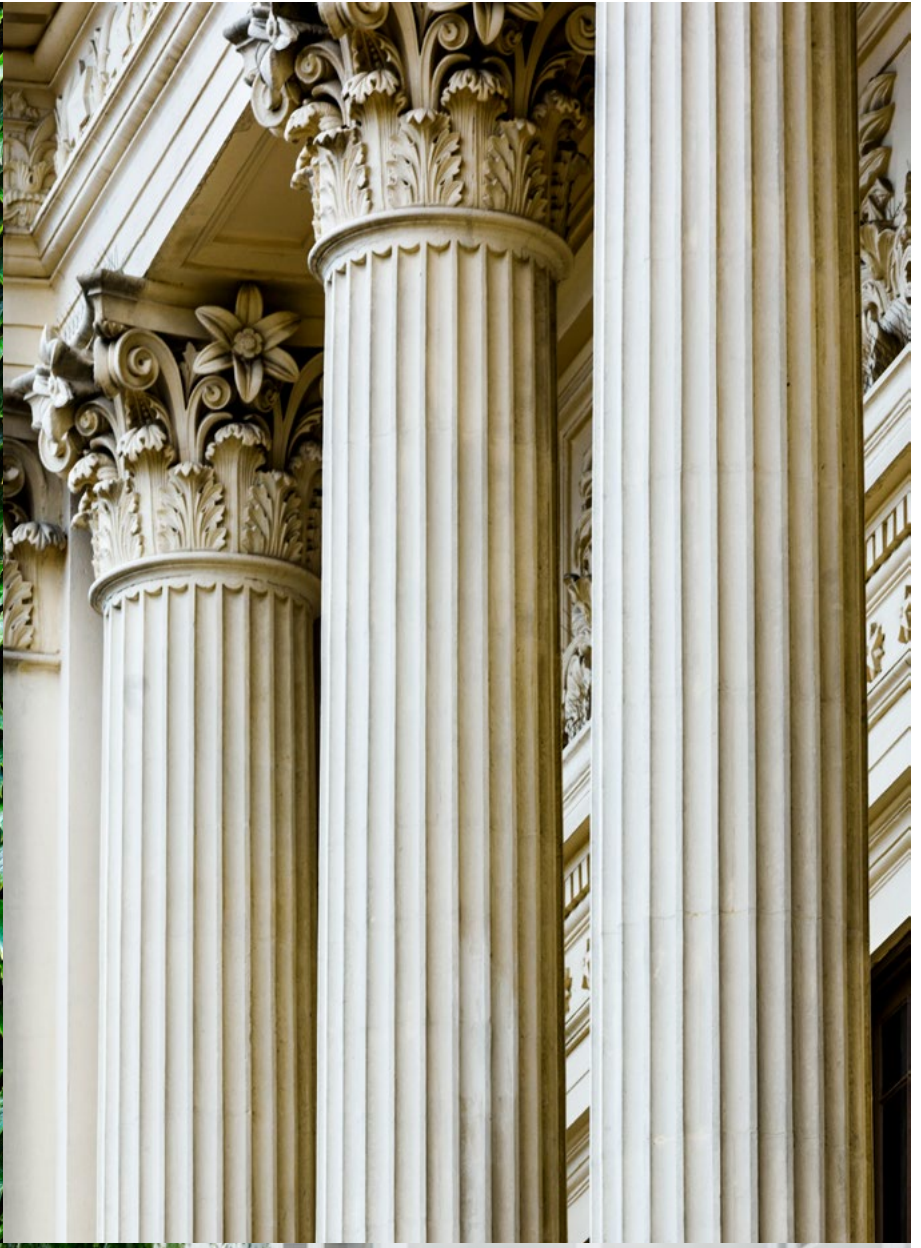




Sustainability Plan for Lund University 2020–2026

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1. Introduction

Lund University contributes to sustainable development through education, research, external engagement and organisational development in line with, among other things, the UN's 17 Sustainable Development Goals, hereafter referred to as the Global Goals. Lund University's Strategy for Sustainable Development 2019–2026^[1] clarifies the University's approach to understanding, explaining and improving our world and the human condition and is thereby a driving force for sustainable development. The Strategy emphasises that Lund University works actively to integrate an overall approach to sustainable development in all its activities: education, research, external engagement and support services. In this Sustainability Plan, Lund University formulates and establishes sustainability goals and measures that aim to raise the level of ambition, develop sustainability management, and in the long term contribute to society's transition towards sustainable development. The Sustainability Plan is also to be seen as a complement to the sustainability management conducted on a daily basis in all the various aspects of sustainability present within the University.

Society's transition in line with Agenda 2030 (the UN's action plan for implementing the Global Goals) entails an increased need to tie together industry and research as well as a higher demand for applied research and innovations.

The innovation capacity of the public sector also needs to be strengthened in order to address increasingly complex societal challenges such as climate change, loss of biodiversity and the depletion of natural resources. Global crises and major societal challenges have increased in intensity in recent years (e.g. the migration wave in 2015, the heatwave in 2018, the Covid-19 pandemic 2020–2022 and Russia's invasion of Ukraine in 2022), which sets higher requirements on society's preparedness and citizens' resilience. In particular, the role of energy provision in the transition to a sustainable society has become clear and that a number of different conflicting interests and goals need to be resolved in the green transition. It is here that research plays an important role in highlighting conflicting goals between different societal goals as well as pointing to solutions and synergies, and conveying knowledge based on a scientific foundation. In the wake of climate change, energy crises, the Covid-19 pandemic and other challenges, an increased focus has been evident on European and national self-sufficiency in, for example, energy, food, various chemicals, semiconductors and other products. It also means that security issues on many different levels have become increasingly prioritised, for example national security, food and energy security, and digitalisation.^[2]

[1] Lund University's Strategy for Sustainable Development 2019–2026 (STYR 2017/1345)

[2] Formas' intelligence analysis January–September 2022

One consequence of all this is an increased demand in society for sustainability experts and that more organisations, companies and individuals recognise the value of sustainability management.

The UN's Global Goal 17 will continue to be crucial for the global sustainability goals to be achieved – locally and globally – and here the University has an important role to play.

1.1 AIM

The aim of this revised version of the Sustainability Plan for Lund University 2022–2026 is to more firmly establish the areas and overall goals identified in the University's Strategy for Sustainable Development within first, second and third-cycle education, research, external engagement and support services. The Plan is in line with the University's Policy for Sustainable Development^[3], which emphasises that the principles of "practising what we preach", working preventively, continuous improvement and compliance with applicable legislation are to characterise everyday activities at Lund University.

Through the Sustainability Plan, Lund University wants to demonstrate that significant steps are being taken to ensure a sustainable organisation and a sustainable society as well as create the conditions organisational units need to implement the required measures to attain the goals. The University also wants to increase awareness about adopted goals and requirements in the area of sustainability. Overall, this is to contribute to fulfilling the University's commitments, such as the Climate Framework^[4]. The ambition is to increase the rate of transition for sustainable development in and outside Lund University and to utilise the knowledge and expertise that exist within the organisation.

1.2 FOLLOW-UP

The Plan is to be implemented in harmony with other relevant plans and policy documents. Each representative of the areas included in the Plan are responsible for following up on their respective goals and action plans. The Plan should be seen as a step on the path towards more comprehensive and in-depth work on sustainable development. One part of this work should involve analysing both the most forward-looking and problematic issues from a sustainability perspective. An overall annual follow-up is carried out within the framework of Lund University's Annual Report and in the University Management's review. An assessment will be carried out in 2024 regarding how the Plan should be revised for 2025–2026.

1.3 PROCESS

The project manager for the Sustainability Plan, tasked by the University Management, is the environmental manager. The project coordinator at the Sustainability Forum has provided support in the processes. The Plan includes contributions from divisions within the central administration, the central boards (Education Board, Research Board and Research Programmes Board), the Sustainability Forum and External Engagement Council.

Representatives of the prioritised areas included in the Plan have submitted contributions in the form of goals, activities and current status descriptions to the Sustainability Plan. The representatives have been deemed to have the influence and/or have authority over each prioritised subject area. The areas are as follows: education, research, external engagement and a sustainable organisation. The Sustainability Plan contains summarising rationales and descriptions of goals with activities for each area and an overall link to Agenda 2030.

The representatives have determined which issues within the areas need to be prioritised. There has been a shared aim that the goals should point towards change → a shift towards increased sustainability. Both existing and new initiatives and activities at the University have been taken into account and included for the various areas.

1.4 DELIMITATIONS

The level of detail in the goal formulations of this action plan varies depending on differing needs and conditions in each area. The goals can be of both a qualitative and quantitative nature and formulated as both impact goals, that is, a goal that states that a certain effect is to be achieved, for example a reduction in environmental impact, and activity goals, for example that the goal is to implement a project or an investigation, which in the long term is expected to deliver a desired effect. The goals and activities can also be established for a short or long period. Overall, this reflects different conditions that prevail in each of the subject areas.

Each area is to state whether measures are to be implemented using existing resources or if funding needs to be requested. Lund University's Strategy for Sustainable Development 2019–2026 clarifies that faculties and equivalent organisational units draw up their own action plans.

[3] Lund University's Policy for Sustainable Development (STYR 2016/1545)

[4] Lund University and some 30 higher education institutions have adopted the Climate Framework. The Framework provides support in the University's work on climate and sustainability matters.

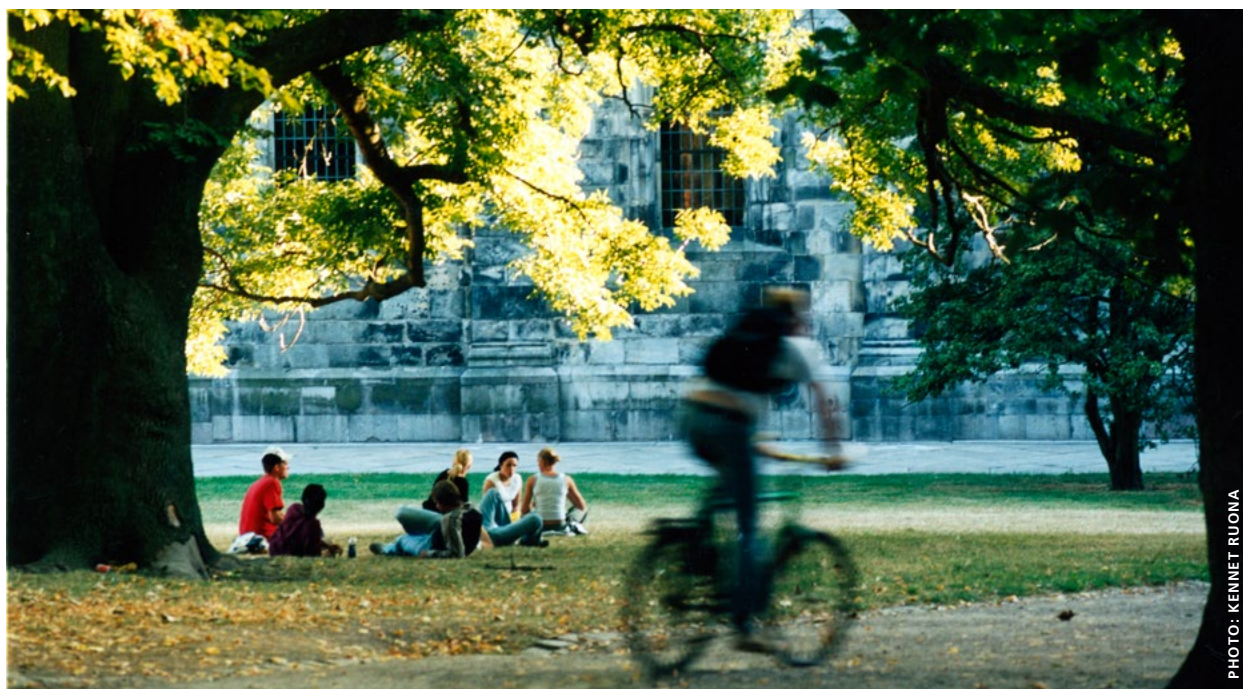


PHOTO: KENNETH RUONA

2. Overall visions in line with Lund University's Strategy for Sustainable Development 2019–2026

According to the approved Strategy for Sustainable Development, sustainable development is a fundamental condition that affects Lund University's education, research, external engagement and organisational development, and the University is to work actively to integrate an overall approach to sustainability throughout its organisation. Overall visions according to the Strategy for Sustainable Development:

- Lund University integrates sustainable development in its education, research, external engagement and organisational development, and the University's employees are well aware of their roles in this work.
- Lund University is involved in local, regional, national and global societal arenas^[5] in order for scientific knowledge to provide leverage in society's striving for sustainability, in both the short and long term.
- Lund University is a prominent voice in the field of sustainability within research and teaching as well as in public debate and cultural life.
- Lund University communicates its sustainability-related work within the organisation and to wider society in ways that make it easy to both reach out and gain access to its activities.

Goal 1: Lund University acts as a role model for other universities and actors in the transition to sustainable development and the Strategy for Sustainable Development is an integrated part in all activities.

ACTIVITY 1: Forecasting and intelligence monitoring to identify and initiate processes and activities for sustainable development in order to pursue issues based on the Sustainability Forum's remit.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: Sustainability Forum

Follow-up: annual follow-up

ACTIVITY 2: Strategic development support in follow-up work and comparative methods for the faculties'/organisational units' sustainability plans.

Timetable: 2024

Resources: within the organisation's existing framework

Responsibility: Sustainability Forum

Follow-up: qualitative development of the faculties'/organisational units' sustainability plans

[5] Arenas and initiatives are used as overall collective terms that may refer to long-term or fixed-term development work, virtual or physical forums, external engagement activities, etc. Different types of initiative may be relevant for different parts of the University.



PHOTO: KENNETH RUONVA



PHOTO: JOHAN PERSSON

3. Education, research and external engagement

According to Lund University's Strategic Plan 2017–2026^[6], the intertwining of education and research, the further development of cross-boundary and interdisciplinary research, and external engagement with other societal actors are among the prioritised areas for the University's contribution to meet global sustainability challenges. The University's Strategy for Sustainable Development states that a basic understanding and knowledge of sustainability is to be included in programmes in all subjects and in all cycles: first, second and third cycles and lifelong learning.

One of the University's approved quality criteria^[7] in systematic quality management therefore concerns subject-relevant perspectives on sustainable development being promoted in education. The action plan's set goals and activities for education, research and external engagement help to ensure that the University's core activities can develop within all dimensions of sustainability. Measures to facilitate and support interdisciplinary research, profiling and strong research environments are also a prioritised issue in the follow-up of RQ20^[8].

In view of Lund University's full subject breadth, these goals and activities are therefore seen as an overall contribution to the University living up to, and fulfilling, the holistic approach of Agenda 2030. In order to maximise integration and creation of synergies for sustainable development be-

tween education (including third-cycle education) research and external engagement, it is furthermore crucial that we collaborate internally between different organisational units.

3.1 EDUCATION FOR SUSTAINABLE DEVELOPMENT

The visions for education and student participation according to the Strategy for Sustainable Development:

- All students acquire knowledge and understanding of sustainable development and how their programmes relate to this, and thereby contribute expertise in their future roles in society.
- There is continuing professional development within sustainable development for all employees at Lund University.
- The University supports student initiatives in sustainable development and there are opportunities for students to participate in work to achieve the goals of the strategy.

In line with Lund University's Strategy for Sustainable Development, all students and doctoral students are to acquire a basic understanding and knowledge of sustainable development through sustainability being included in programmes in all cycles and in all subjects. This will mean that students and doctoral students will be able to apply their sustainability skills in their future roles in society, e.g. professional roles. As a part of functioning student influence, stu-

[6] Lund University's Strategic Plan, 2017–2026 (STYR 2015/1048)

[7] Policy and Regulations for Quality Assurance and Quality Enhancement of Education at Lund University, reg. no STYR 2016/179

[8] RQ20 is a research evaluation based on self-assessment: RQ20 – Lund University's research quality evaluation 2020.

dents also participate in the work of integrating sustainable development at the University in line with Lund University's Strategy for Sustainable Development 2019–2026. The remit of the Education Board and Research Board includes principles of quality assurance and quality enhancement. As a consequence of this, an assessment criterion for quality management was added to the quality policy^[9] to promote subject-specific perspectives in sustainable development.

Activities in third-cycle education contribute to the fulfilling of Lund University's goal that all students shall be given the opportunity to acquire knowledge and understanding of sustainable development and also provide inspiration for sustainability goals for research on developing forms for interdisciplinarity and cross-boundary research on sustainable development. Overall, these contribute to the Global Goals. Within third-cycle education, efforts are focused on further development of supervisor training based on the Global Goals.

- Good education, in this case for Lund University's doctoral students (based on Goal 4).
- Good health and wellbeing with the aim of giving supervisors support in managing doctoral students' wellbeing and guiding them towards appropriate assistance (based on Goal 3).
- Gender equality through contributing to supervisors' increased understanding of different aspects of gender equality and equal opportunities (based on Goal 5).
- Decent working conditions as an element in developed supervisory practice (based on Goal 8).

Lund University's Strategy for Sustainable Development also addresses the goals of providing a good, safe, secure and accessible work environment in all respects. Lund University's organisation is to be based on gender equality, equal opportunities and diversity, and utilise the strengths that this entails. Lund University is to work for the integration of new arrivals in Sweden and their path into working life, including academics, which is relevant as the University has many international doctoral students.

Goal 1: Teaching staff and students have knowledge and skills in the area of sustainability

ACTIVITY 1: Follow-up of existing resources (such as courses and Moocs) aimed at teaching staff about what sustainability entails and the dissemination of the resources within the University. This includes the number of teaching staff members who use the resources and whether there is a lack of special resources to obtain greater dissemination. The follow-up also includes new courses.
Timetable: follow-up in 2023 and 2024

Timetable: follow-up in 2023 and 2024

Resources: none initially; potentially new resources in the future based on the follow-up and its results

Responsibility: Student Affairs

Follow-up: number of participants who have taken the courses, e.g. completion rate for courses; otherwise qualitative follow-up

ACTIVITY 2: Provide support to ensure that guidelines for course and programme syllabi contain aspects of sustainability, and support for the development of course and programme syllabi.

Timetable: 2023

Resources: project period

Responsibility: Student Affairs

Follow-up: support material produced (yes/no)

Goal 2: Professional development regarding sustainability aspects that are to be a quality issue for all programmes

ACTIVITY: Conclusions on the need for further support for sustainability aspects to be included as a quality issue in all programmes will be followed up in 2023 and 2024. The background is that in 2022 a quality conference for education was organised in which sustainability as a quality aspect was highlighted. Good examples of how sustainability has been handled as a quality issue were illuminated and challenges were discussed.

Timetable: follow-up in 2023 and 2024

Resources: within the organisation's existing framework

Responsibility: Education Board and Research Programmes Board

Follow-up: educational strategic support; the results from the conference will be disseminated within the University

Goal 3: The sustainability perspective is to be regarded as a quality issue and be a natural part of all contract education at Lund University

ACTIVITY: The establishment of new contract education courses and programmes is to include sustainability issues relevant to the respective course or programme.

Timetable: 2024

Resources: within the organisation's existing framework, or through externally funded programme and course development

Responsibility: Lund University Commissioned Education (LUCE)

Follow-up: annual follow-up

Goal 4: Sustainability goals are to be highlighted in education

ACTIVITY: Review possibilities to include sustainability aspects as a part of the projects "An Entry Point" and "Vision for Presentation". Consider possibilities for a simpler way to highlight sustainability issues in Lund University's range of course and programmes.

Timetable: according to project plan

Resources: SEK 1 million (allocated by the Education Board in 2021) and potentially more funding in the future if there are additions to the project plan that involve more work

Responsibility: Education Board

Follow-up: according to project plan

[9] Policy for Quality Assurance and Quality Enhancement of Education at Lund University, (reg. no STYR 2016/179)

Goal 5: Doctoral supervisors are to have expertise in sustainable development

ACTIVITY: Further develop supervisor training to better meet the needs for expertise that future doctoral supervisors will be expected to have in their work with doctoral students in third-cycle education (education step 3) and enhance professional development for experienced supervisors. Further development is to be done through updating the content of the supervisor training. Discussion subjects include equal opportunities and equality issues, the orientation of research concerning several aspects of sustainable development and ethical issues.

Timetable: continuously ongoing work; the first activities for experienced supervisors will be conducted in 2023 and the network group's work will be assessed in 2024 prior to a decision on the continuation of a university-wide group for doctoral supervisor training.

Resources: not decided; discussions are taking place about what resources are needed for professional development initiatives within doctoral supervision and how the activity can be future-proofed.

Responsibility: Research Programmes Board (FUN) through the network group for professional development of doctoral supervisor training

Follow-up: activities and the network group's work are continuously followed up by FUN: An annual report is submitted to FUN on the network group's activities during the year. The follow-up measurement is to increase the motivation of supervisors to participate in professional development activities. A draft for joint and updated qualitative targets and learning outcomes for the University's basic doctoral supervisor courses will be presented to FUN in 2023.

Goal 6: More doctoral students at Lund University are to be given increased opportunities to participate in courses focusing on sustainable development in, for example, the Agenda 2030 Graduate School's activities

ACTIVITY: The activities in the Agenda 2030 Graduate School and development of the university-wide course database for third-cycle courses at the University, which is part of the Board's Plan of Operations 2022-2023. The goal is for more doctoral students at the University to take note of sustainability courses.

Timetable: work on the plan for the project started in 2022; an interim report will be submitted to the Research Programmes Board in 2023

Resources: not decided; the activity in the Research Programmes Board's Plan of Operations covers securing resources and clarifying how management of the system for a joint course database is to be provided.

Responsibility: Research Programmes Board in cooperation with the network for graduate schools as well as other relevant actors within the University.

Follow-up: continuous follow-up

3.2 RESEARCH FOR SUSTAINABLE DEVELOPMENT

The visions for research according to the Strategy for Sustainable Development:

- Research of the highest quality creates the basic knowledge about, and innovative solutions to, sustainability-related problems.
- The University's researchers are well informed about the relevance of their own research to sustainable development and how their research relates to other fields of research concerning sustainable development.
- Forms of interdisciplinary and cross-boundary research on sustainable development are well developed which, among other things, entails specially targeted initiatives that bring together research at various faculties.
- Strategic external engagement with a broad spectrum of stakeholders helps to identify research needs for sustainable development and to produce knowledge that meets these needs.

Intelligence analysis and future scenarios: research for sustainable development

Research has a responsibility to tackle the grand challenges linked to sustainable development (e.g. achieving the Global Goals). With its breadth of research, Lund University is uniquely equipped among Swedish higher education institutions to tackle these challenges, which is clear from the amount of intradisciplinary and interdisciplinary initiatives linked to sustainability-related issues already underway.

However, Lund University has the opportunity to make an even more powerful impact by inspiring researchers and doctoral students to tackle sustainability issues, facilitating research initiatives across subject boundaries focused on challenges in the area of sustainability and by facilitating external engagement between researchers and wider society concerning sustainable development. Such a development would also increase the University's visibility, nationally and internationally, as well as opportunities to exploit growing external research funding in the area of sustainability, for example in Horizon Europe^[10], as a lever for developing the University.

Conflicting goals

Strategic management and profiling of research to strengthen integration of sustainability aspects does not mean that the University Management will micromanage the issues tackled by the research (compare Lund University's Strategic Plan 2017–2026 and the University's Research Strategy 2017–2021^[11] concerning academic freedom), rather it means that the conditions are created for enhancing

[10] Horizon Europe is an EU programme for the funding of research and innovation.

[11] A new Research Strategy is under development in 2022.

sustainability aspects within research. The Research Board and other actors are continuing to focus on activities that highlight sustainability-related research in order to increase awareness of sustainable development among the University's researchers, and to inspire researchers to highlight sustainability issues in their research through internal initiatives (e.g. excellence initiatives, the Agenda 2030 Graduate School and the research conference Knowledge for Sustainable Development).

Upcoming work

Lund University's Strategy for Sustainable Development contains high ambitions for the University's research: All researchers are to understand the relevance of their own subject to research relating to sustainable development and how their own research can be developed in collaboration with other research conducted at Lund University to provide new important contributions to research on sustainability. Lund University is also to have a strong profile regarding research for sustainability.

The Research Board will work progressively on the Strategy's visions for research for sustainable development. The focus in the short term is on work to achieve increased visibility and attract more attention to research for sustainable development at Lund University. The aim is to raise awareness among the University's researchers about their task relating to sustainable development. An important partner for the Research Board in this work is the Sustainability Forum at Lund University. At a later stage, the Research Board needs to examine new ways of working and possible incentives that encourage research in line with the Strategy's visions and promote Lund University's profiling regarding research for sustainable development. This could, for example, concern establishing research coordinators at the faculties who can help with applications for initial funding from the University or faculties, to have mobility funding within the University to facilitate interdisciplinary collaborations and to highlight the University's profiling regarding sustainable development on the internet with the help of stories. More and specific activities aiming to raise Lund University's sustainability profile and which link research to a sustainable organisation can also be arranged at a later stage, for example testbeds such as a furniture hub for the exchange of furniture between departments, a low-energy unit where it is possible to experiment with lights, the indoor climate and resources utilisation as well as a laboratory to develop digital solutions for conferences, meetings, teaching and defences of doctoral theses.

Goal 1: Research for sustainable development is to be developed

ACTIVITY 1: The Research Board gets updates on the results of the Agenda 2030 Graduate School by inviting the School's coordinator and doctoral students to the Board's meetings. The aim is to look at the effect of the jointly funded Graduate School, e.g. an increase in the number of interdisciplinary applications and evidence of improved intertwining of research and education.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: Research Board

Follow-up: Research Board's activity report

ACTIVITY 2: Arrange a workshop with representatives from the Research Board, Sustainability Forum, the senior researchers and postdocs from the project at Lund University that received financing from the call for applications for university-wide funding for interdisciplinary projects, focusing on Agenda 2030 and sustainable development. The aim of the workshop is to collect conclusions and investigate the need and possibilities for new funding of similar initiatives.

Timetable: 2024

Resources: within the organisation's existing framework

Responsibility: Research Board

Follow-up: Research Board's activity report

ACTIVITY 3: The Research Board and Sustainability Forum hold a conference with the aim of highlighting sustainable development and research for sustainable development at Lund University as well as help to create meetings on research and sustainable development between the University's researchers across different disciplines.

Timetable: 2023

Resources: funding requested in a separate procedure

Responsibility: Research Board and Sustainability Forum

Follow-up: number of participants and number of research presentations

Goal 2: Develop methods and tools for sustainable research

ACTIVITY 1: Provide support (e.g. guidance, input and good examples) at internal meetings for faculties/organisational units.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: Sustainability Forum

Follow-up: ongoing

ACTIVITY 2: Production of a guide for sustainable laboratories, similar to Green Labs, with regulations for chemicals and good examples as support.

Timetable: 2024

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: guide produced (yes/no)

3.3 EXTERNAL ENGAGEMENT FOR SUSTAINABLE DEVELOPMENT

Visions for external engagement according to the Strategy for Sustainable Development:

- Lund University generates knowledge that is relevant for sustainable development in collaboration with organisations in society, but also contributes by critically reviewing society’s efforts regarding sustainable development.
- Researchers at Lund University play a prominent part in sustainability-related local, regional, national and global arenas by compiling knowledge, drawing up research agendas, and as experts.
- Dynamic and integrating arenas for external engagement with public authorities, industry and civil society are used to jointly contribute to sustainable development.
- Lund University provides resources for academic capacity development in developing countries through partnerships and student and teaching staff exchanges

Research and external engagement for sustainable development

Research at the University, together with the University’s external engagement partners, have a shared responsibility and opportunities to manage the grand challenges of our times and jointly contribute to achieving the UN’s Global

Goals. With its breadth of research, Lund University is uniquely equipped among Swedish higher education institutions to tackle these challenges, which is clear from the number of intradisciplinary and interdisciplinary initiatives linked to sustainability-related issues already underway. However, the University has the opportunity to make an even more powerful impact by facilitating research initiatives across subject boundaries focused on challenges in the area of sustainability and by facilitating external engagement between researchers and wider society concerning sustainable development. Innovation and utilisation of research results as well as student innovation are an important part of this work. External engagement initiatives create an opportunity in collaboration with our external partners to consider how we address external engagement issues relating to sustainability and shorten the process for the University’s research to be disseminated and have an effect.

Through the External Engagement Council, Lund University produced the report Strategic External Engagement Partners at Lund University^[12]. The report aims to highlight and propose models for further development and follow-up of the university-wide strategic external engagement partners. The report states (page 5) that the University in its partnership initiatives takes the starting points and principles into account that are outlined in Table 1.

TABLE 1. Starting points and principles for Lund University’s work with strategic external engagement partners.

The higher education institution’s external engagement assignment	Knowledge via external engagement – for societal challenges and enhanced competitiveness	Agenda 2030 – for transitioning to a sustainable society	Lund University’s Strategic Plan	The higher education institution’s external engagement with wider society
Academic freedom, core values, integrity and scope for critical dialogue are the basic conditions for research and education and thus also the higher education institution’s collaboration with strategic external engagement partners				
<p>The higher education institution’s assignment involves education based on scientific or artistic foundations and tried and tested experience, as well as research, artistic research and development work.</p> <p>The higher education institution’s assignment includes external engagement with wider society and providing information about its operations and working to ensure that research results achieved at the higher education institution are utilised.</p>	<p>The Government emphasises the importance of higher education institutions actively developing their external engagement with wider society, of which one of three reviewable goals for the coming ten-year period is for external engagement and societal influence to increase.</p> <p>The aim is for Sweden to be a leading knowledge nation and one of the world’s foremost countries for research and innovation.</p>	<p>The Global Goals are integrated and indivisible and balance the three dimensions of sustainable development: economic, social and environmental.</p> <p>To tackle the complexity and requirements of the sustainability goals, interdisciplinary collaboration is often required across sectoral and disciplinary boundaries</p>	<p>The University’s vision is to be a world-class university that understands, explains and improves our world and the human condition. The Strategic Plan highlights six important areas for development that need to be satisfied to live up to this vision.</p> <p>Success requires broad interdisciplinary cooperation within academia in collaboration with organisations outside the University.</p>	<p>External engagement creates the conditions for society’s long-term knowledge provision by combining openness and well-developed relationships between higher education institutions and actors in society and industry.</p> <p>External engagement is an integrated part of, and solely relevant in relation to, the higher education institutions’ research or education.</p>

[12] Strategic External Engagement Partners at Lund University (STYR 2019/2049) (in Swedish)

Goal 1: Lund University is to make a more powerful impact through external engagement for sustainable development

Lund University is to facilitate research initiatives and stimulate new research across subject boundaries that are focused on challenges within the area of sustainable development. External engagement between researchers and wider society on sustainable development is to be made easier. Student engagement and initiatives within sustainable development are to be encouraged.

ACTIVITY 1: Description of fulfilment of the UN's Global Goals is to be introduced in forthcoming calls for applications for Thematic Collaboration Initiatives and are to be outlined in the final report. Consideration is to be given as to whether the external party's perspective is to be described

Timetable: according to the current cycle for calls for applications

Resources: within the organisation's existing framework

Responsibility: Research, Collaboration and Innovation Division

Follow-up: according to the current cycle for calls for applications

ACTIVITY 2: Implementation of Sustainability Week in collaboration with the City of Lund, including Campus Helsingborg and Malmö.

Timetable: 2023

Resources: within the organisation's existing framework, as well as an allocation from "Sustainable Lund Challenge"

Responsibility: Sustainability Forum

Follow-up: annual follow-up: number of activities; number involved within research, education, community; coverage in media

ACTIVITY 3: Encourage researchers to take part in external engagement and outward-facing activities such as Culture Night, Researchers' Night, opinion pieces, social media etc.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: Sustainability Forum

Follow-up: ongoing

ACTIVITY 4: Collaborate with other higher education institutions within the framework of the of the HEI's climate network to develop goals and activities that are as effective as possible in order to reduce the emission of greenhouse gases linked to purchases.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

ACTIVITY 5: Investigate sustainability aspects of the agricultural properties owned via the Akademihemman Foundation through a questionnaire to the tenant farmers.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: Division of Finances

Follow-up: conducted survey (yes/no)

Goal 2: Lund University is to focus on a sustainability perspective within identified external engagement areas with different strategic partners

ACTIVITY: The audit and review of Lund University's strategic partners are to be in line with the reports Strategic External Engagement Partners at Lund University and Agenda 2030 – for Sustainable Development, which are to be considered as starting points and sources of principles.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: Research, Collaboration and Innovation Division

Follow-up: annual follow-up

Goal 3: Sustainability aspects are to be a natural part of the process for supporting researchers' utilisation of research results and to support students' innovations towards commercialisation

ACTIVITY: Develop and implement a model for how sustainability aspects can be integrated in the utilisation process and student innovations.

Timetable: 2024

Resources: within the organisation's existing framework

Responsibility: Research, Collaboration and Innovation Division

Follow-up: model developed and implemented (yes/no)



PHOTO: CHARLOTTE CALBERG BÄRG



PHOTO: KENNET RUONA

4. A sustainable organisation

The visions for a sustainable organisation according to the Strategy for Sustainable Development:

- Lund University maintains a good, safe, secure and accessible work environment in all respects.
- Lund University is a resource-efficient organisation, with a minimised climate and environmental impact.
- Activities at Lund University are based on gender equality, equal opportunities and diversity, and exploit the strengths that this entails.
- Lund University works for the integration of new arrivals in Sweden and their entry into working life, including academics.

For the University, social sustainability is more than just a good work environment for employees and students – it is also a matter of how the University contributes to social sustainability throughout society, both domestically and abroad.

Higher education institutions have an important role in the transition to a fossil-free society. Lund University's Strategy for Sustainable Development states the University is to be a driving force for sustainable development and is to work actively to integrate sustainable development throughout and beyond its own organisation. The University must therefore be involved to develop and, not least, test new solutions. This requires a desire to invest and a willingness to take well-considered risks.

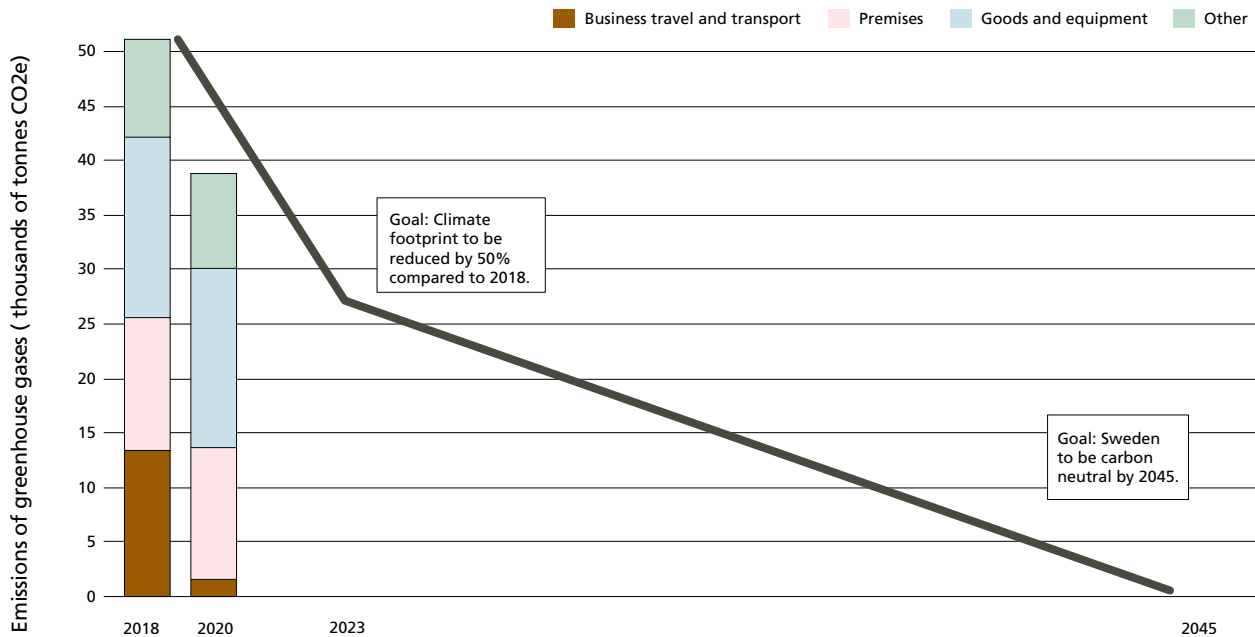


FIGURE 1. An overall road map showing the rate at which Lund University's climate footprint needs to be reduced if climate neutrality is to be achieved by 2045. The figure also shows the University's approximate climate footprint for 2018 and 2020, divided into different sectors: business travel and transport, premises, goods and equipment, and other. The environmental footprint has been calculated using an environmental spend analysis, which was carried out in 2021 for the years 2018 and 2020.

The overall goal is for the University to be a climate-neutral organisation by 2045 in line with Sweden's climate goals. This is concretised in the short term in the Sustainability Plan for Lund University 2020-2026, which states, among other things, that emissions of greenhouse gases are to be reduced by 50% by the end of 2023, compared to emissions in 2018. It is an ambitious goal – but a necessary goal if we are to deliver on the message from research that rapid reductions in greenhouse gas emissions are required. In 2019, the University joined the Climate Framework together with some 30 other higher education institutions in Sweden that have a goal to have implemented measures in line with the 1.5-degree target by 2030. The work of the Climate Framework was started by Chalmers and KTH and is now coordinated from SLU in the form of a climate network for higher education institutions.

Strong measures are required to meet the goal of halving the University's emissions of greenhouse gases by the end of 2023 and for the organisation to be climate-neutral by 2045 in line with Sweden's national climate goals (see Figure 1 for an overall road map). With the support of research, the University needs to find new paths to rapidly reduce our emissions of greenhouse gases, and to do that there is

also a need for work to identify the most resource-efficient paths to reach the goal of a climate-neutral organisation.

In 2021, Lund University carried out a comprehensive mapping of its climate footprint for the years 2018 and 2020 according to an environmental spend analysis^[13] [13] in which the costs in the University's income statement provide an indication of which categories account for the largest share of climate impact and potential for emission reductions. In brief, the environmental spend analysis shows that there are three large sources for the climate impact – goods and equipment, business travel and transport, and premises – areas where the University can introduce further initiatives. In 2023, the University will examine methodology with the aim of establishing a system to measure the actual climate footprint of the most relevant categories.

Overall, the initiatives contribute to a sustainable organisation in relation to several of the Global Goals, principally:

- **GOAL 7:** Affordable and clean energy.
- **GOAL 8:** Decent work and economic growth.
- **GOAL 11:** Sustainable cities and communities.
- **GOAL 12:** Responsible consumption and production.
- **GOAL 13:** Climate action.
- **GOAL 15:** Life on land.

[13] Report on Environmental Spend Analysis, reg. no V 2021/2437

4.1 HR, WORK ENVIRONMENT AND STUDY ENVIRONMENT

Visions for a sustainable organisation according to the Strategy for Sustainable Development:

- Development as an international higher education institution continues.
- Well-developed leadership and employeeship are success factors.
- Students, staff and visitors are offered attractive environments.

Goal 1: Lund University is to have a developed manager platform for managers at Lund University. The manager platform is based on the three defined roles for all managers at Lund University: employer, leader and organisational manager

ACTIVITY: Identified expertise for the manager's three roles, developed introduction for managers, courses, expertise-enhancing initiatives, documentation for recruitment, staff appraisals, salary appraisals.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: HR Division

Follow-up: annual follow-up

Goal 2: Flourishing students in a sustainable work environment and study environment providing good study conditions for students

ACTIVITY 1: Preventative work against mental health problems.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: Student Affairs

Follow-up: description of the range of activities in the annual report

ACTIVITY 2: Construction of a work environment node at the Student Health Centre as support for work environment management for students at the faculties.

Timetable: 2023

Resources: project

Ansvar: Student Affairs

Follow-up: description of the node in the annual report



4.2 PURCHASING AND PROCUREMENT

The Public Procurement Act specifies that sustainability requirements should be specified in procurements. This is also included in the UN's Global Goal 12 on responsible consumption and in the National Procurement Strategy. An overall goal for the University is to continue to set ambitious sustainability requirements in line with the Swedish Agency for Public Procurement's sustainability criteria when procuring goods and services^[14] and this is also in line with Lund University's Strategy for Sustainable Development.

The University sets environmental and sustainability requirements in procurements of goods and services when this is relevant and possible, and thus contributes to a sustainable supply chain with, among other things, a reduced environmental impact. Exceptions may be made, for example, in the case of specific and specially ordered research equipment, for which environmental and sustainability requirements cannot always be set.

Since 2022, an annual priority list has been produced in which each procurement is given a priority and an assessment of which sustainability criteria are to be used. The University strives to contribute to the procurement of innovative products and services that are more sustainable than those chosen today, thus supporting the transition to a climate-neutral and sustainable society. Specific focus areas are sustainable catering and sustainable cafés and restaurants, the circular economy and the choice of sustainable goods and services, as services are used by staff and students to a great extent.

Goal 1: Sustainability requirements are set in all procurements, if this is warranted by the specific type of procurement

ACTIVITY 1: Updating of prioritisation plan that states relevant sustainability requirements for each planned procurement.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: Division of Finances

Follow-up: proportion of procurements with sustainability requirement (%); plus follow-up in connection with the annual report to the Swedish Environmental Protection Agency; prioritisation plan with requirements produced annually (yes/no)

ACTIVITY 2: Follow up framework agreement for laboratory chemicals including transport.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: compilation of supplier responses

Goal 2: Offer catering services and range of cafés and restaurants that include sustainability aspects

ACTIVITY: Draw up sustainability requirements for procurements of catering services and service concessions. The annual agreement follow-up outlines how the suppliers have delivered in accordance with the agreement.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: Division of Finances for the procurements processed by the division.

Follow-up: specific sustainability requirements drawn up (yes/no); regularly, agreement follow-up of sustainability requirements with the suppliers (yes/no)

Goal 3: Improve conditions for a circular economy for products

ACTIVITY: In appropriate procurements, work using a special focus on the circular economy.

Timetable: 2026

Resources: within the organisation's existing framework

Responsibility: Division of Finances

Follow-up: selected procurements carried out (yes/no)

Goal 4: Increase expertise in, and understanding of, sustainability in purchasing and procurement

ACTIVITY: Develop the content of training courses produced by the Purchasing and Procurement Office to include sustainability aspects.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: Division of Finances

Follow-up: training courses in purchasing and procurement that include sustainability aspects published in Kompetensportalen (Professional Development Portal) (yes/no)

Goal 5: Coordinate and improve efficiency of purchasing

ACTIVITY 1: Form a working group within External Relations to coordinate, and improve efficiency of, purchasing of licensed products such as T-shirts, cloth bags, mugs, luggage tags etc.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: External Relations

Follow-up: working group formed (yes/no)

ACTIVITY 2: Provide feedback on climate footprint of purchases to faculties/organisational units.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

[14] www.upphandlingsmyndigheten.se/hallbarhet



PHOTO: AKADEMISK & HUS



PHOTO: JOHAN PERSSON

4.3 DIVESTMENT AND IMPACT THROUGH INVESTMENTS

The sustainability aspects of the University's management of donated funds are addressed in the previous Sustainability Plan with the aim that the University Board would decide on new investment rules by the end of 2020, and this decision was taken. The now applicable rules focus more clearly on sustainability, through a new portal principle about the public authority's social responsibility and clarification regarding negative screening, the decision-making process and reporting. The sections about sustainability in asset management are presented by the extract from the investment rules below. No new goals or activities for sustainable investments are planned for the near future even though regular discussions take place at the Donation Board's meetings.

Investment principles

Legal requirements

According to the Donations Ordinance, specific donations are managed in a way that is appropriate considering the purpose of the donation. The Foundation Act states that a foundation's assets are to be invested in an acceptable way – Lund University thus has the freedom within this framework to decide how donated funds are to be managed and has determined the following.

Portal principle

Donated capital is to be managed mainly as liquid assets in a long-term secure way, in which value growth and possibilities for good yield are realised with limited risk and taking into consideration the public authority's social responsibility.

Sustainability

The University, its associated foundations and any administrators that are engaged, are to take ESG factors – Envi-

ronmental, Social and Governance – into consideration in investment analyses and decision-making processes with an aim of promoting the 17 Global Goals established by the UN within the 2030 Agenda. The University is to strive for all counterparties to provide open and sufficient reporting on ESG factors.

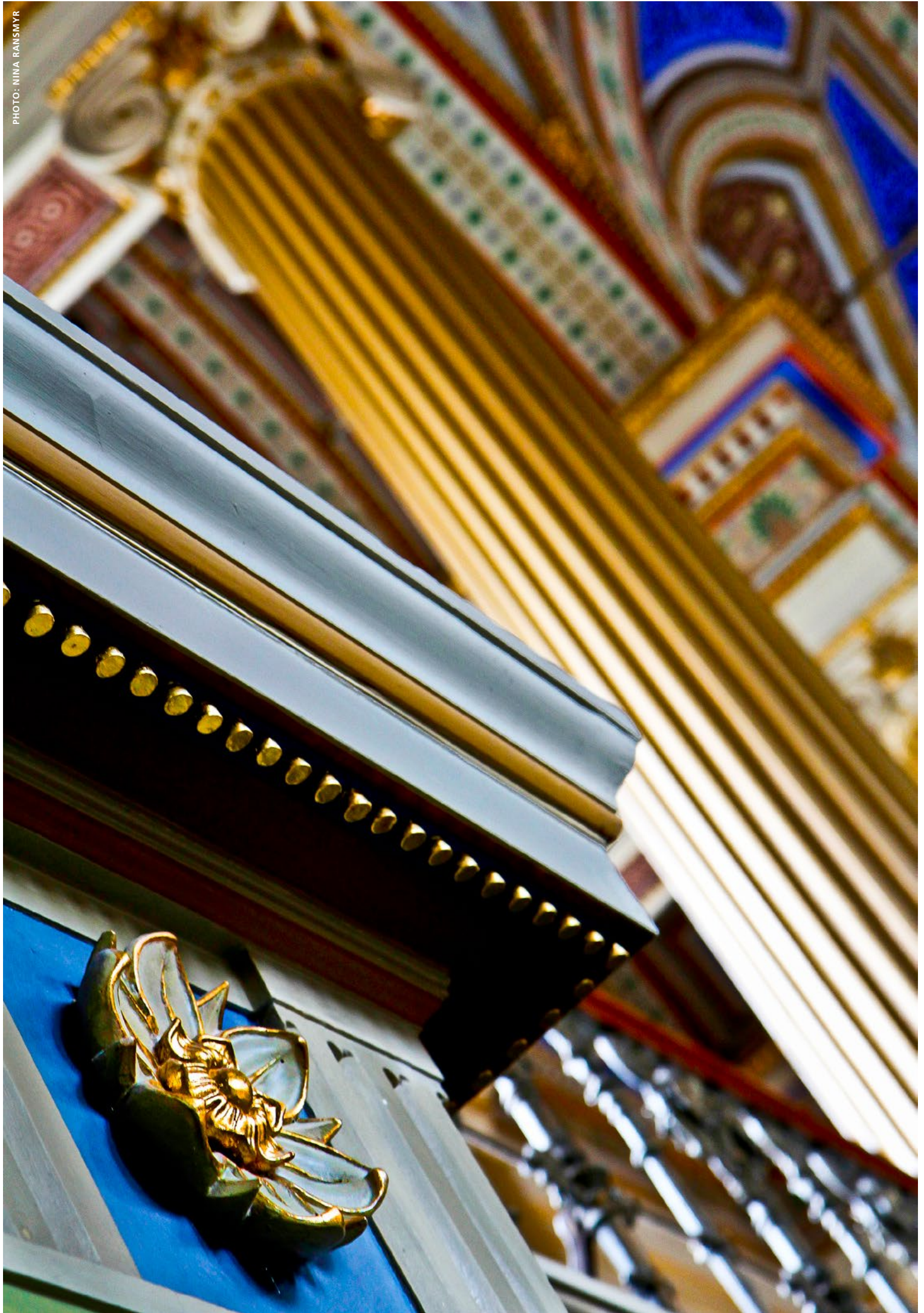
The following are applied in all investments: Swedish legislation, declarations and conventions signed by the Swedish parliament and Government in the areas of human rights, labour and environmental consideration, and resolutions or equivalent issued by the UN and ILO within the above-mentioned areas, particularly the UN Global Compact's fundamental principles concerning human rights, labour, environment and anti-corruption for responsible business and the OECD's guidelines for multinational companies.

Moreover, the University and its associated foundations refrain from investing in companies focusing on: extraction or production of fossil fuels, manufacturing or sale of war materials, production and distribution of pornography, production and sale of tobacco products and alcoholic drinks, or commercial gambling enterprises.

All holdings are regularly evaluated to ensure that no holding in companies or funds violates the norms above or whose operations within the areas above account for more than five per cent of turnover.

Evaluation

Investments are regularly evaluated from a financial perspective and such performance reports are to be reviewed at all meetings of the Donation Board. In addition, investments are to be regularly evaluated from a sustainability perspective by an external actor with no connection to the University or any administrators that have been engaged, with the exception of equity funds, which carry out their own screening in accordance with this regulation.



4.5 RESOURCES, WASTE AND REUSE

In general, the University focuses on reducing the amount of goods purchased through more reuse, longer product lifetimes and excluding unnecessary products. Reducing the amount of waste is also an important parameter. There are currently waste-sorting options at the University's premises, but there may be variation in the extent to which it is possible in practice to sort all waste categories and keep them separate in the entire waste chain in accordance with the requirements set out in the municipal waste regulations and the University's waste management handbook. This may depend on the physical conditions on site for sorting waste (e.g. lack of space) or be due to other factors. There is a particular focus on reducing the proportion of plastic waste in the waste flows.

According to the environmental spend analysis, goods and equipment account for the biggest percentage of the University's climate impact with approximately 41 % in 2018 and 32 % in 2020. In this group, the category shown to account for the biggest percentage is "equipment" followed by "chemicals and drugs". Within this group, there is a lack of clarity concerning the potential for reducing the climate

impact and therefore follow-up analyses of selected goods groups are warranted.

There is a substantial volume of furniture such as desks, chairs, cabinets and drawer units as well as office materials within the University. Climate emissions and costs can be considerably reduced through utilising used office furniture and reused products and materials. The volume of waste decreases as does the need for raw materials for the manufacturing of new furniture and materials. There is currently both the demand for, and access to, an established market for used furniture. Organisational units can now choose to purchase used furniture via the Legal, Financial and Administrative Services Agency's framework agreement for circular furniture flows. The same agreement also provides possibilities for refurbishing existing furniture.

The University needs an established procedure for following up statistics on online meetings as an element in the follow-up of business travel. We can achieve environmental and economic benefits through joint purchasing of IT equipment. Together with new modern computer halls, resources are utilised more efficiently and sustainably at the University.

Goal 1: Clarify the environmental impact of the University's use of online meeting formats

ACTIVITY: Contribute technical data to LU Estates' work on reports concerning online meeting formats.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: LDC

Follow-up: annual follow-up

Goal 2: Reduce the quantity of waste products and wrongly purchased equipment, achieve longer technical lifetimes, and choose environmentally sound products

ACTIVITY 1: Pilot activity LDC/LTH regarding purchase of client equipment.

Timetable: according to pilot project

Resources: within the organisation's existing framework

Responsibility: LDC

Follow-up: annual follow-up

ACTIVITY 2: The University's vehicles that are petrol or diesel-driven are either replaced by electric/green vehicles using renewable fuel or divested.

Timetable: 2024

Resources: within the organisation's existing framework

Responsibility: Head of department/equivalent

Follow-up: annual follow-up

ACTIVITY 3: Identify indicators to measure climate footprint of the most relevant categories among "goods and equipment" at university-wide level and faculty/organisational unit level.

Timetable: 2024

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

Goal 3: New modern computer halls at the University with lower environmental impact, improved energy recovery and better utilisation of e.g. district cooling

ACTIVITY: Study for new computer halls – LDC/Lunarc/LU Estates.

Timetable: 2023

Resources: according to project

Responsibility: LDC

Follow-up: annual follow-up

Goal 4: Increase the degree of sorting for waste generated at the University's premises

ACTIVITY: Improve waste management through mapping current handling and propose initiatives, preferably per building and in cooperation with the property owners.

Timetable: ongoing

Resources: requested

Responsibility: LU Estates

Follow-up: annual follow-up

Goal 5: Take reusability into consideration in purchasing

ACTIVITY: Develop a procedure for the University's organisational units for factoring in reusability in the purchasing of furniture and provide guidance for choosing furnishings with a long lifetime.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

Goal 6: Increase expertise at our organisational units regarding reusability

ACTIVITY 1: Inform our organisational units about our procedure for reuse of furniture and new purchases of furnishings with a long lifetime.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

Goal 7: Reduce paper consumption and printed material

ACTIVITY 1: Reduction of printed matter and flyers as well as photocopying within Student Affairs. Digitalisation, e.g. switching to digital degree certificates.

Timetable: ongoing

Resources: within the organisation's existing framework; the activity entails cost savings

Responsibility: Student Affairs

Follow-up: result and forecast follow-up

ACTIVITY 2: Review the range within External Relations of printed material such as catalogues and presentation brochures to ascertain the volume that needs to be ordered/printed and e.g. replace business cards with QR codes and unsubscribe from printed magazines and newsletters.

Timetable: 2023

Resources: within the organisation's existing framework; the activity entails cost savings

Responsibility: External Relations

Follow-up: annual follow-up

GOAL 8: Offer better recycling at large student events such as Arrival Day and Open House and set a good example early in the students' dealings with the University

ACTIVITY: Set up clear instruction notices at events organised by the division. Encourage and provide guidance on recycling through contests in waste sorting in Treasure Hunt during Orientation Week for incoming students. Include information on waste sorting and sustainability in the information to incoming students in collaboration with other actors e.g. Lund University Accommodation.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: External Relations

Follow-up: annual follow-up

4.6 FOOD/CONFERENCES

In addition to the legal requirements regarding hygiene, work environment, environment, product information etc. that apply to the serving of food, the Sustainability Forum has listed the additional requirements that need to be set for an event to be considered sustainable^[15]. The requirements are to be set based on the current agreements with suppliers of food, drink, catering and waste management, distribution, travel to and from the event, cleaning and cleaning up, and documentation. Some other requirements may need to be considered e.g. for religious reasons.

The list of requirements for sustainable events according to the above provides support. The list is primarily based on information from the National Agency for Public Procurement on sustainability criteria for food and meal services, issues in the Sustainable Events^[16] self-evaluation, the Skåne County Administrative Board's list of requirements

for suppliers of food and drink, the Swedish Food Agency's advice to reduce the environmental impact of food and the requirements linked to Lund University's participation in Fairtrade City Lund.

Goal 1: Environmental and other sustainability requirements are set for meals and transport relating to the ordering of catering, conference services and events, as well as cafés and restaurants

ACTIVITY: All those who order catering, arrangement of conferences and other events set environmental and other sustainability requirements.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: ordering party/purchaser of catering, conference services and events; cafés and restaurants

Follow-up: annual follow-up

[15] www.hallbarhet.lu.se/event/kravlista-hallbara-event

[16] Sustainable Events is a certification in which sponsors, arrangers and other actors can use sustainability requirements to jointly create an event that is as sustainable as possible.

4.7 TRAVEL

The University’s goal is to reduce emissions of greenhouse gases (tonnes of carbon dioxide equivalents, CO₂e) from business travel by 50 % by 2023 compared to 2019. There are rules concerning all travel paid for by Lund University (for staff, external guests and students). The rules are a part of Lund University’s responsibility to reduce its climate impact and take care of staff safety and the state’s resources.

Lund University currently has around 7,400 employees and 31,000 students, which means that many people travel to and from the campus every day. The trips by car that the University generates have a considerable impact from a sustainability perspective and a transition to a more sustainable way to travel to and from the University with a reduced climate impact is desirable. Lund University’s potential for expansion in central locations is mainly made up of land that is currently used entirely or partly as car parks. In the central parts of the Lund campus, parking spaces need to be used for strategically important expansion. A preliminary study was conducted in 2021: Strategies for Travel to and from Lund University. The proposed measures from the preliminary study are being managed in a project for sustainable mobility. The parking policy and parking rates may need to be reviewed at a later stage.

According to the environmental spend analysis, business travel and transport accounted for around 26 % of the climate footprint in 2018 but decreased considerably during the pandemic to around 4 % of the University’s total emissions of greenhouse gases in 2020. The reason was that greenhouse gases from business travel, mainly air travel, decreased by around 90 % from 2018 to 2020. This corresponds to a reduction of 25 % of the University’s total climate footprint. Emissions from business travel by air in 2022 fell by around 62 % compared to air travel in 2019 (see Figures 2 and 3). At the same time, the number of trips by train declined by around 30 % during the period and there is potential to replace more trips by air with trips by train. The reduction of the climate footprint from business travel in 2022 helps to fulfil the Government’s assignment to reduce the climate footprint of public sector business trips but is not enough.

The number of online meetings is at a higher level than before the pandemic, which suggests that more people have found new ways to conduct their work and their teaching. Lund University continues to be one of many public authorities that is collaborating in the development of travel-free meetings through the REMM network.

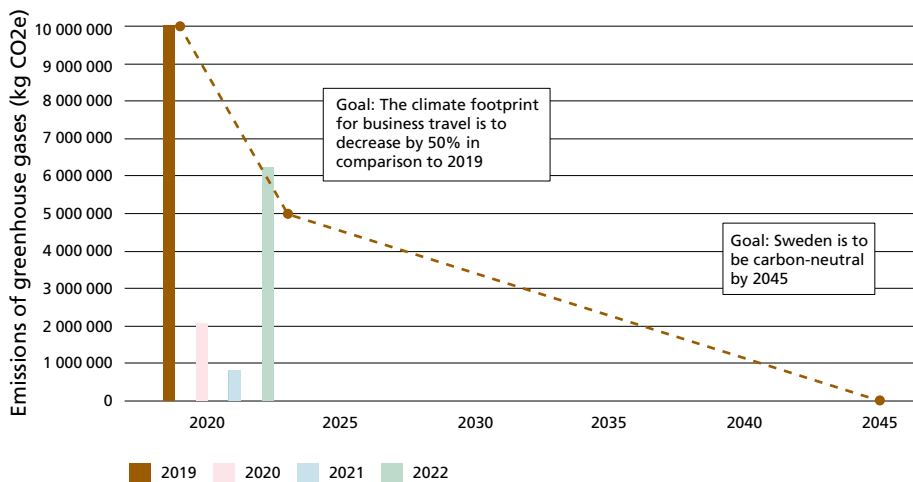


FIGURE 2. The emissions of greenhouse gases (kg CO₂e) from business travel by air at Lund University 2019–2022. During the pandemic, air travel decreased drastically and the emissions of greenhouse gases from business travel by air were at a significantly lower level in 2022 than before the pandemic. In 2022, emissions were around 62 % compared to the level for 2019.

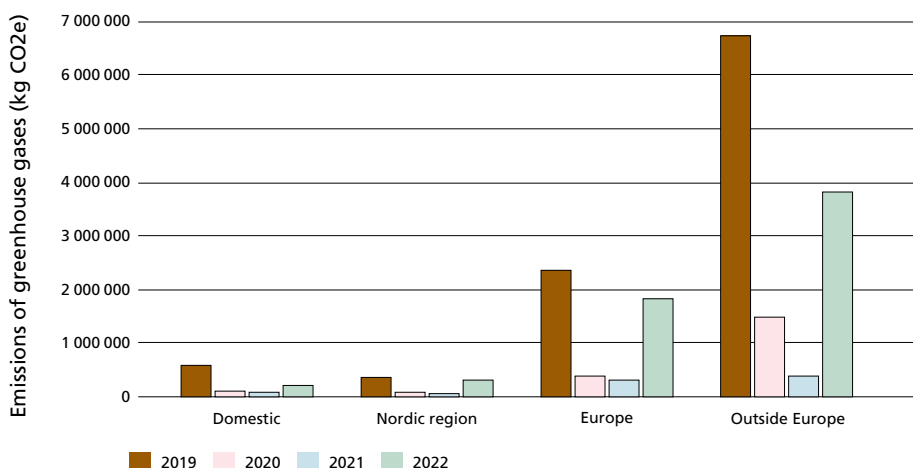


FIGURE 3. Geographical breakdown of emissions of greenhouse gases (kg CO₂e) from business travel by air at Lund University 2019–2022. The diagram shows that emissions of greenhouse gases from business travel by air, domestically and outside Europe, decreased substantially in 2022 compared to 2019. In 2022, emissions from business travel fell by around 40 % for domestic trips and around 60 % for trips outside Europe, while emissions from travel in the Nordic region and Europe are nearing the same levels as before the pandemic in 2019.

Goal 1: Reduce the climate impact from travel to and from work and sustainably utilise centrally located land.

ACTIVITY 1: Produce a supported and approved action plan with guidelines and highlighted initiatives that will lead to changes in travel habits and sustainable utilisation of centrally located land.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: according to the sustainable mobility project plan

ACTIVITY 2: Conduct workshops with representatives from all the faculties and other organisational units for establishing support and for input on the action plan.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: according to the sustainable mobility project plan

ACTIVITY 3: Carry out travel habits survey and mobility analysis.

Timetable: 2022

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: according to the sustainable mobility project plan

ACTIVITY 4: Investigate possibilities for updating the parking policy and review parking rates.

Timetable: 2024

Resources: within the organisation's existing framework

Responsibility: LU Service

Follow-up: according to the sustainable mobility project plan

Goal 2: Work sustainably in digital processes and reduce business travel

ACTIVITY 1: Support for online meetings, digital offering and travel by train in Student Affairs, as well as education activities locally, nationally and internationally. Develop and simplify digital administration processes.

Timetable: ongoing

Resources: within the organisation's existing framework; the activity entails a task and cost savings

Responsibility: Student Affairs

Follow-up: result and forecast follow-up

ACTIVITY 2: Provide information from the division to students on how to travel to Lund by train and include them in invitations. Produce support material for staff in the division regarding when physical meetings are to be recommended and the conditions for these.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: External Relations

Follow-up: annual follow-up

ACTIVITY 3: Review short-term mobility that cannot be undertaken without air travel (e.g. summer courses, placements and clinical training outside the EU) to reduce the number of short trips that include air travel (applies to staff and students).

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: External Relations

Follow-up: annual follow-up

ACTIVITY 4: Increase virtual mobility, virtual exchanges and enable internationalisation at home to offer more sustainable internationalisation options.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: External Relations

Follow-up: annual follow-up

ACTIVITY 5: Offer a dialogue about initiatives and provide feedback on business travel to reduce the faculties'/organisational units' emissions of greenhouse gases from business travel by 50 % by 2023 compared to 2019.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

Goal 3: Incoming and outgoing students are to use more sustainable travel options to a greater extent in travelling to and from Lund and strive for climate-adapted travel during exchange stays.

ACTIVITY 1: Develop information to incoming and outgoing students about the travel options available to and from Lund.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: External Relations

Follow-up: annual follow-up

ACTIVITY 2: A competition aimed at incoming students, mainly from Europe, in which they document their sustainable journey to Lund University. A competition among incoming and outgoing students in which they share tourist destinations close to the exchange destination that can be reached in a climate-adapted way.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: External Relations

Follow-up: annual follow-up

4.8 PREMISES AND BUILDINGS

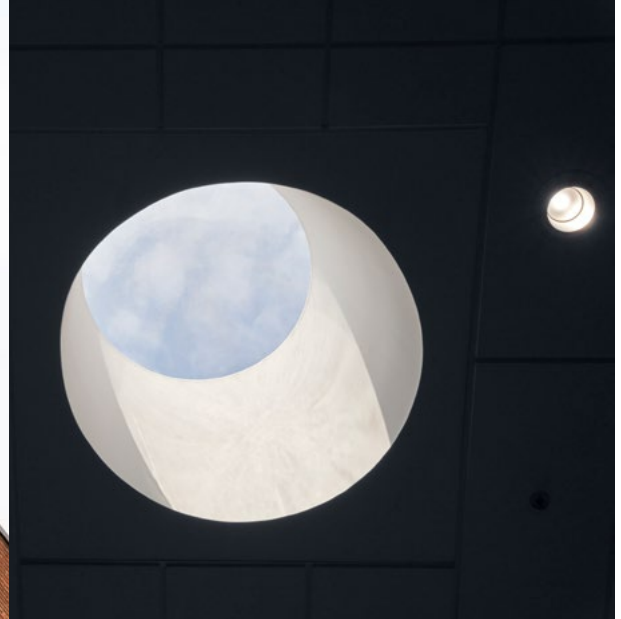
Lund University is currently based in Lund, Malmö, Helsingborg and Ljungbyhed (School of Aviation). The location and design of the premises are of great importance to the University.

The following goals are important in the work on the University's premises provision:

- Lund University is to offer attractive environments and premises for education and research. The University's premises are to maintain high quality in terms of function and sustainability, as well as constitute a good environment from an architectural and urban environment perspective.
- Lund University's premises planning is to be long term. In new construction and conversions, flexibility and generality are to be strived for in order for changing needs to be met and maximum utility value attained for implemented investments.



PHOTO: KENNETH RUONA, JOHAN PERSSON, CHARLOTTE CARLBERG BARG



- Lund University's activities are to be located in a way that enables a high standard of infrastructure, joint service and operations to be maintained in a cost-effective manner.
- Lund University's premises must meet all regulatory requirements governing the work environment and accessibility.

In addition, the University needs to shed light on issues such as how more climate-friendly construction can be ensured, as well as how the development and use of renewable energy and new materials (here and in the rest of the world) can be pursued and how the buildings can be used more efficiently.

The Campus Plan from 2012 sets out six strategies that are to form the basis of all campus development in Lund and for all building projects on campus:

- The University in city life. Create meetings and development by mixing functions.
- Density and proximity. Integrate through strategic densification.
- The Knowledge Highway in focus. Strengthen main highway and transverse highways for increased flow.
- Nodes as meeting places. Vitalise with dense and active urban spaces.
- Green campus. Use greenery as an urban building element.
- Sustainable campus. Economise on land and collaborate with the city.

The current Campus Plan remains applicable, but the campus is facing changes and work on a new Campus Development Plan has begun. The new Campus Development Plan with a 2050 horizon will be more comprehensive by including the University's campuses in Malmö, Helsingborg and Ljungbyhed. A preliminary study including mappings, questionnaires and workshops to highlight the University's needs and driving forces together with the University's organisational units and online seminars, open to all at the University, forms the introduction to different thematic workshops. The aim is for the University to have a well-thought-through and broadly supported foundation that can constitute a basis when the concrete work begins on producing the Campus Development Plan. A Campus Development Council and Campus Development Office were established in 2022.

Environment

Lund University aims to achieve SGBC Gold certification and to establish an environmental programme for all major new construction and conversion projects. This involves, among other things, requirements governing energy efficiency, economical management of materials, environmentally

sound material selection and the phasing out of particularly hazardous substances.

The SGBC certification and environmental programme ensure that environmental considerations are taken into account during planning and the construction process as well as during the operation of the finished premises. SGBC classifications are a Swedish environmental certification owned and developed by the Sweden Green Building Council. Environmental certification of a building means that the environmental work and the building's environmental performance are reviewed by a third party.

The SGBC certification is in three classes, where Bronze simply meets legal requirements and Gold is a very high level that the most ambitious buildings can try to achieve. Breeam is another certification system for buildings and the most widespread system used in Europe. The building is assessed in ten different areas including indoor environment, energy, material choice, waste management and water usage.

Lund University uses the following buildings that have achieved an environmental classification (2021):

- LUX, Lund: SGBC Silver
- Eden, Paradis, Lund: SGBC Silver
- V Building, LTH, Lund: SGBC Silver
- A Building, LTH, Lund: SGBC Silver
- Study Centre, Lund: SGBC Silver
- Mathematics Annex, LTH, Lund: SGBC Gold
- CMU, Lund: SGBC Gold
- Medicon Village "The Spark": Breeam "Very good"

Lund University continuously cooperates with its property owners in order to achieve premises that are as energy efficient as possible while maintaining a good work environment. Collaboration agreements can be established and aim in general to clarify both the University's and property owner's joint vision and ambitions in sustainability management, as well as specify forms of collaboration and strategic collaboration areas in forthcoming development work.

Work environment

The University's premises must meet all regulatory requirements governing the work environment to ensure that each newly constructed or converted building has a good work environment. Involvement is to be ensured partly through the participation of staff representatives and student representatives in the projects, and partly by sending documents for consultation to representatives within the organisation including students, health and safety representatives and HSE committees. Large construction projects are based on at least three rounds of consultation with the relevant organisation.

Accessibility

Public authorities have an increased responsibility for accessibility, which is based on the UN Convention on the Rights of Persons with Disabilities. In a special ordinance (SFS 2001: 526), the Government states that public authorities have a particular obligation to work to implement the disability policy. The authorities must take the goals into account in their activities and must work to achieve the national goals. The authorities are to work in particular to ensure that their own activities, information and premises are accessible to people with disabilities. There are many older buildings at Lund University in which accessibility can be a challenge. LU Estates works continuously with the University's landlords to ensure that all premises within LU are accessible.

Safety

Lund University is to be a secure environment and provide good safety standards for both individuals and property. Requirements from insurers and other regulatory and legal requirements relating to safety (fire, radiation safety, laboratory safety, personal safety and physical safety) are to be met. The University's guidelines for premises provision, specify the required levels with regard to safety classes and safety measures. Depending on the object, situation, assets worthy of protection, etc., safety classes and safety measures may be increased for individual objects. In some cases, accessibility and safety requirements can be somewhat contradictory, meaning well-thought-out and well-supported solutions are required. The goal must always be good accessibility, function and safety using the most economical solution.

According to the environmental spend analysis, the University's premises accounted for around 26 % of LU's environmental impact in 2018 and 31 % in 2020. This includes the energy consumed at the premises, waste management, construction and conversions.

The measures implemented to fulfil the considerable energy savings that public authorities are required to make in 2022/2023 constitute a part of the work to halve the University's emissions of greenhouse gases by 2023. Energy use was not noticeably affected by the pandemic, even though there was significantly less activity at the premises

Goal 1: More buildings are to be environmentally classified. In new construction, buildings are to be SGBC Gold, and in conversion projects the goal is SGBC Silver.

ACTIVITY: Continue to set requirements for environmentally classified buildings.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

Goal 2: Improve energy efficiency and reduce the University's energy consumption.

ACTIVITY: Utilise and spread experiences and good examples from the Government's assignment to save energy. Supplement energy statistics to create an overall picture of energy use.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

Goal 3: Strengthen collaboration with property owners and organisational units on sustainability issues

ACTIVITY 1: Conduct a dialogue with property owners about environmental, economic and social sustainability aspects in relevant forums and projects.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

ACTIVITY 2: In documentation for decision-making regarding conversion projects, request data on the building project's climate impact for various alternatives.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

ACTIVITY 3: Offer a dialogue with organisational units about initiatives relating to premises in order to help reduce the faculties'/ organisational units' emissions of greenhouse gases by 50 % by 2023 compared to 2019.

Timetable: ongoing

Resources: within the organisation's existing framework

Responsibility: LU Estates

Follow-up: annual follow-up

4.9 CHEMICAL SAFETY

The University strives to be a safe and secure workplace in all respects. This includes minimising environmental and personal exposure to chemical risk sources. The legislation states that the organisation is to list the chemical products used in its activities and which entail risks from a health and environment perspective. There is also a requirement for annual reporting of the University's use of chemicals. The focus is on three main goals, which are training, the KLARA chemicals management system and transfer of chemical risk sources upon cessation of local operations. Training is a cornerstone of ensuring chemicals are managed in a healthy and environmentally sound way within the University. All employees must have a good basic knowledge of which laws, regulations and rules are to be followed to ensure safe chemical management, both from a work environment and environmental perspective.

A key aspect from a work environment, environment and safety point of view regarding chemical products is to document which chemical products Lund University handles, what quantities we handle, where the products are stored and how they are to be handled and transferred. To meet these requirements, Lund University uses KLARA.

Goal 1: All those who deal with, or are affected by, chemical risk sources are to have relevant training relating to applicable legislation, division of responsibility and safe handling of chemical risk sources.

ACTIVITY 1: Draw up procedures to ensure that the managers with responsibility and employees who handle, or are affected by, chemical risk sources receive training within 6 months and 1 month respectively from the start date of employment.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: Vice-Chancellor for deans/university director; deans/university director for heads of department/heads of division/equivalent; heads of department/heads of division/equivalent for others

Follow-up: documentation is to show that procedures have been drawn up at the different "levels"; follow-up is conducted in connection with the review of the Sustainability Plan

ACTIVITY 2: Investigate appropriate sanctions and set up procedures for consequences when relevant managers and employees who are affected by, or handle, chemical risk sources do not undergo the required training.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: Vice-Chancellor for deans/university director; deans/university director for heads of department/heads of division/equivalent; heads of department/heads of division/equivalent for others

Follow-up: documentation is to show that procedures have been drawn up at the different "levels"; follow-up is conducted in connection with the review of the Sustainability Plan

ACTIVITY 3: The manager with responsibility is to undergo training covering relevant legislation, division of responsibility, conditions and support resources for handling chemical risk sources.

Timetable: from 2023 this is to proceed continuously according to the set procedures (see Activity 1 above); existing staff members are to have undergone training by Q4 of 2024 at the latest

Resources: within the organisation's existing framework

Responsibility: Vice-Chancellor for deans/university director; deans/university director for heads of department/heads of division/equivalent; heads of department/heads of division/equivalent for others

Follow-up: percentage of those who have completed training: comparison of the number of deans/university director/heads of department/heads of division/equivalent who have undergone training with the number of those who are supposed to have undergone training/per workplace

ACTIVITY 4: Staff who handle chemical risk sources are to undergo training in chemical safety.

Timetable: from 2023 this is to proceed continuously according to the set procedures (see Activity 1 above); existing staff

members are to have undergone training by 2024 at the latest

Resources: within the organisation's existing framework

Responsibility: Vice-Chancellor for deans/university director; deans/university director

for heads of department/heads of division/equivalent; heads of department/heads of division/equivalent for others

Follow-up: percentage of those who have completed training: comparison of the number of staff who have undergone training with the number of staff who are supposed to have undergone training

Goal 2: Obtain a clear picture of which organisational units handle chemical risk sources within the University in order to establish that Lund University meets the legal requirements for documentation of chemical risk sources

ACTIVITY 1: Update the KLARA organisational chart.

Timetable: included in the Internal Audit's proposal for measures in the review of the University's laboratory safety (STYR 2019/1177) and should follow the timetable according to the Vice-Chancellor's answer to Internal Audit

Resources: within the organisation's existing framework

Responsibility: KLARA system administrator

Follow-up: check which organisational units the University has in LUCAT and if these handle chemical risk sources – compare with the KLARA organisational chart

ACTIVITY 2: It is proposed that departments/divisions/equivalents that handle chemical risk sources have access to a person, preferably within the organisational unit, who is responsible for continuously updating the KLARA organisational chart. This is to be carried out regarding additional or discontinued activities and people responsible for the various activities.

Timetable: follows the Vice-Chancellor's plan for measures in accordance with Internal Audit's

proposal for measures in the review of the University's laboratory safety (STYR 2019/1177)

Resources: within the organisation's existing framework

Responsibility: affected heads of department/heads of division/equivalents

Follow-up: affected departments/divisions/equivalents report to the KLARA system administrator regarding who is responsible for the KLARA organisational chart; follow-up is conducted in connection with the review of the Sustainability Plan

Goal 3: Ensure correct management of chemical risk sources in the event of local transfers or when moving out of departments/divisions/equivalents

ACTIVITY 1: Departments/divisions/equivalents are to produce local regulations for transfers with check lists for chemical risk sources and material related to these chemical risk sources.

Timetable: 2023

Resources: within the organisation's existing framework

Responsibility: head of department/head of division/equivalent

Follow-up: procedures are to be drawn up for the affected departments/divisions/equivalents and approved; follow-up is conducted in connection with the review of the Sustainability Plan

How the sustainability goals relate to the Global Goals

Below is an overview diagram showing how the University's organisation contributes to the fulfilment of the Global Goals.

SUSTAINABILITY GOALS 2020–2026	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
Education	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Research	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
External Engagement	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
A sustainable organisation			x		x		x	x	x	x	x	x	x				x	x
HR, work environment and study environment					x			x		x							x	x
Purchasing and procurement												x						x
Divestment and impact through investment									x									x
Resources, waste and reuse												x						x
Food/conferences												x						x
Travel											x		x					x
Premises and buildings							x				x	x	x					x
Chemical safety			x										x					x

