

Action Plan for Sustainable Development 2023-2026

Background

Faculties and equivalent organisations are to draw up their own action plans that outline division of responsibilities, roles and resources in order to realise the visions in Lund University's strategy for sustainable development, as well as how these plans are to be followed up, evaluated and, if required, revised.

Lund University's strategy for sustainable development can be accessed here: [Sustainability strategy and Sustainability plan | Sustainability Forum \(lu.se\)](#)

The visions from the strategy for sustainable development are prefilled and the faculties/organisations concretise the visions through activities. The aim of the activities is to ensure that faculties/organisations contribute to LU achieving the visions set out in the strategy. The activities should be concrete in nature and easy to follow-up.

The template for the action plan has been produced as a support tool and its use is optional. Faculties/organisations are able to tailor their action plan for sustainable development as they see fit, provided that the following is clearly present:

- Allocation of responsibility
- Roles
- Resources
- Connection to visions for sustainability

Questions about action plans for sustainable development can be put to Project Manager Marianne Dalbro, +46 46 222 3082, marianne.dalbro@bygg.lu.se.

Overall visions

- 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 within this work.
- Lund University is involved in local, regional, national and global social arenas in order to ensure scientific knowledge provides leverage as society strives 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 facilitate both outreach and access to the organisation.

The Faculty of Science has adopted four overall visions in its strategic plan of operations for 2021 and 2022, as follows:

- Environments and infrastructure
- Long-term staff recruitment and professional development
- Quality-driven education
- Leadership and collegiality development.

These strategic aims should be reflected in the goals that faculties and departments prioritise in their sustainability plans. The faculty follows the general aims contained in LU's Sustainability Plan; these are not dealt with in this plan. See part 7 "Aims from LU's Sustainability Plan" in this plan.

How we work

Activity 1: The faculty is to inform all employees about Agenda 2030 and set out how the faculty's research and education work towards the various goals and subgoals in Agenda 2030. See also: Activity 15

Who does what? A proposal for the most effective way of achieving this will be produced by the Management Council. The faculty's communication director is responsible for this work.

Resources: Part of the existing remit.

Timescale: During 2023, and then ongoing.

Proposal: The goals are presented at workshops/seminars arranged in the faculty or department, for example by staff from the Centre for Environmental and Climate Science (CEC). Communications officers will be tasked with drawing up a plan for how we are to routinely present research projects that are relevant to the various goals, for example via the Insidan newsletter.

Activity 2: Health, safety and environment (HSE) work is coordinated within the faculty through common meetings arranged twice a year for key players in the departments' HSE management, for example principal health and safety representatives.

Who does what? The faculty's work environment coordinator, along with Erling Jirle and Johan Tejler, for example.

Resources: Part of the existing remit.

Timescale: Beginning in autumn 2022 and then ongoing.

Visions for education and student participation

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.

How we work

Activity 3: Sustainability forms one of several assessment areas within the faculty's quality assurance system for first and second-

cycle education. Follow-up of the departments' work in the assessment areas takes place alongside the annual organisational dialogues with faculty management, in accordance with our plan for quality management, see [Annual organisational discussions – the faculty's internal follow up | Internal Faculty of Science \(lu.se\)](#). This plan is valid until 2024, when a new plan for quality management is to be approved.

Who does what? The faculty's deputy dean for first and second-cycle education, along with the departments' directors of studies

Resources: Part of the existing remit.

Timescale: Began in 2019 and will be in place until 2024.

Activity 4: The faculty's course offer in first and second-cycle education is to contain several course elements that are directly related to sustainability goals. What these are is set out in the progression plans' qualitative targets six and seven (both Master's and Bachelor's degrees). In order to chart the extent to which education programmes cover the various goals, a faculty-wide accounting and analysis is to be conducted in the Education Board or the directors of studies group. It may be appropriate to combine this with similar elements in the quality evaluations of our education programmes over the next few years.

Who does what? The deputy dean for first and second-cycle education, in consultation with the directors of studies.

Resources: Part of the respective remits.

Timescale: During the next year

The progression plans' qualitative targets 6 and 7 for first and second-cycle level respectively.

Qualitative targets 6, first cycle: – within the main field of study, demonstrate the ability to make assessments taking into account the relevant scientific, societal and ethical aspects.

Qualitative targets 6, second cycle: – within the main field of study, demonstrate the ability to make assessments taking into account the

relevant scientific, societal and ethical aspects and an awareness of ethical elements of research and development work.

Qualitative targets 7, first cycle Demonstrate insight into the possibilities and limitations of knowledge, its role in society and responsibility for how it is used.

Qualitative targets 7, second cycle Demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used.

Activity 5: The Global Goals are already raised in several of our first and second-cycle courses. We are to inform students about the goals, and direct them to relevant goals during the courses.

Who does what? Carin Jarl Sunesson will discuss how to implement this with the directors of studies, who will in turn discuss with teaching staff in their respective departments.

Resources: Part of the position and existing remit.

Timescale: Planning and discussion during spring 2023, for later implementation during the 2023-2024 academic year.

Activity 6: Publicise and market the course MNXD11 Sustainable Development for Earth, Life and the Environment to our first-cycle students. Investigate whether parts or all of the course could eventually be made compulsory for the faculty's first and second-cycle students, compare with the Faculty of Engineering, LTH.

Who does what? Carin Jarl Sunesson will discuss how to implement this with the directors of studies, who will in turn discuss with teaching staff in their respective departments.

Resources: Part of the position and existing remit.

Timescale: Planning and discussion during spring 2023, for later implementation during the 2023-2024 academic year.

Activity 7: Inform the faculty's directors of studies about what opportunities for student projects/participation "Sustainalink" offers.

Who does what? Carin Jarl Sunesson will discuss how to implement this with the directors of studies, who will in turn discuss with teaching staff in their respective departments.

Resources: Part of the position and existing remit.

Timescale: Planning and discussion during spring 2023, for later implementation during the 2023-2024 academic year.

Activity 8: In many cases, our doctoral students' research projects address the Global Goals. To make the doctoral students aware of this, they are to be informed about the Global Goals early in their third-cycle studies. The possibility of adding an element that addresses the Global Goals in one of the compulsory courses for doctoral students, such as introductory courses or ethics courses, is to be investigated.

Who does what? Research Programmes Board

Resources: Part of the position and existing remit.

Timescale: Planning and discussion during spring 2023, for later implementation during the 2023-2024 academic year.

Activity 9: Investigate how relevant courses that are included in the faculty's graduate schools can be made accessible to all doctoral students at the faculty. The faculty is also working on a new graduate school within climate and environmental science for 2024.

Who does what? Research Programmes Board

Resources: Part of the position and existing remit.

Timescale: Planning and discussion of existing graduate schools during spring 2023, with implementation beginning during the 2023-2024 academic year. The research school will be announced 2024-2028.

Activity 10: Of the qualitative targets for third-cycle education, two are primarily relevant to the work on sustainability, see below. Proposals are to be made as to how these qualitative targets can be made clear and how they are to be achieved by individual doctoral students, preferably in the individual study plan.

Who does what? The Faculty's Research Programmes Board, along with the departments' Research Programmes Boards, the vice dean and the departments' directors of studies for third-cycle education.

Resources: Part of the position and existing remit.

Timescale: During 2023.

Qualitative targets:

- demonstrate the capacity to contribute to social development and support the learning of others both through research and education and in some other qualified professional capacity.
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used.

Activity 11: The faculty prioritises offering relevant leadership and collegiality development to its staff. The faculty offers two interdisciplinary courses that are relevant to our work on sustainability: a course in Scientific Literacy and a Massive Open Online Course (MOOC), Working for a sustainable future: concepts and approaches. At the annual staff appraisals, staff can be informed about and encouraged to attend these courses, where relevant.

Who does what? All managers with responsibility for staff who conduct staff appraisals.

Resources: Part of the existing remit and the relevant staff members' professional development.

Timescale: Ongoing.

Visions for research

Research of the highest quality creates basic knowledge about, and innovative solutions to, sustainability-related problems.

- The University's researchers are well aware of 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. Among other things, this entails dedicated 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.

How we work

Activity 12: Today, the faculty's research into the environment, sustainability and climate is undertaken in several departments. The Centre for Environmental and Climate Science (CEC) has a particularly important role in undertaking and initiating interdisciplinary and transdisciplinary research, external engagement and communication in the climate area. CEC coordinates several faculty-wide drives in this area, for example the strategic research areas Biodiversity and Ecosystem services in a Changing Climate (BECC) and Modelling the Regional and Global Earth system (MERGE), the profile area Sustainable solutions in the climate change – biodiversity – social nexus (ClimBioSiS), LU Land and the Sustainability Forum. In order to strengthen and raise the profile of the faculty's research, education and capacity to work as a coordinator, meeting place and arena for collaboration within the environmental, sustainability and climate areas, the faculty has begun work to bring together the Department of Geology, the Department of Physical Geography and Ecosystem Science and CEC's central functions into a single unit. A prerequisite for establishing a coherent unit is that these organisations can be located together.

Who does what? Faculty management and relevant academic leaders

Resources: Along with the affected departments, the faculty will contribute resources.

Timescale: 2023-2024

Activity 13: Through the Faculty of Science, Lund University hosts the Swedish part of the European infrastructure Integrated Carbon Observation System (ICOS). ICOS comprises a number of measuring stations that produce high-quality data about the concentrations of

greenhouse gases in the atmosphere and information about how these gases circulate between the atmosphere, the earth and the oceans. This infrastructure is supported by funding from the Swedish Research Council's Council for Research Infrastructure and co-financed by funding from the Vice-Chancellor, faculties and the relevant departments. A new application will be submitted to the Swedish Research Council during 2023, for the period 2025-2028. To strengthen the research leadership at ICOS, the faculty has announced a new teaching position at the Department of Physical Geography and Ecosystem Science.

Who does what? The vice dean for third-cycle education and the management of organisations concerned.

Resources: Included in work duties.

Timescale: 2023

Activity 14: The Faculty of Science collaborates with LTH on the research initiative Materials Science for Sustainability (WISE), funded by the Knut and Alice Wallenberg foundation. WISE is the largest-ever investment in materials science in Sweden. The aim is to conduct research into the next generation of environmentally friendly materials and manufacturing processes. The programme includes the announcement of new teaching positions aimed at early career researchers, as well as support for doctoral students, postdocs and infrastructure. The WISE programme will assume great significance for the Faculty of Science and LTH's joint establishment of materials research within the areas of physics and chemistry in Brunshög.

Who does what? The vice-dean for third-cycle education and the management of the organisations concerned.

Resources: Included in work duties.

Timescale: 2023-2030.

Visions for external engagement

- 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 serving as experts.
- Dynamic and integrating arenas for external engagement with public authorities, the business sector 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.

How we work

Activity 15: Many of the faculty's research projects are directly relevant to sustainable development. The faculty is to continue developing and strengthening communication of these projects both externally and internally. See also: Activity 1

Who does what? The faculty's communications director along with the faculty's and the departments' communications officers.

Resources: Part of the existing remit.

Timescale: Ongoing, but a draft of this strategy should be tabled during spring 2023 in the faculty management.

Activity 16: The faculty's researchers have a large number of research projects in collaboration with developing countries. Particularly against the current global backdrop, it is vitally important that these can continue, and that the faculty takes stock of whether support to make these possible is necessary, either from the faculty or Lund University centrally.

Who does what? The heads of department will be tasked with this process.

Resources: Part of the existing remit.

Timescale: During 2023.

Activity 17: The faculty participates in several exchange programmes for teaching staff and students. Not least against the current global backdrop, it is vitally important that these can continue, and that the

faculty takes stock of whether support to make these possible is necessary, either from the faculty or Lund University centrally.

Who does what? The deputy dean for first and second-cycle education to discuss with the departments' directors of studies.

Resources: Part of the existing remit.

Timescale: During 2023.

Visions for a sustainable organisation

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

Activity 18: The construction and property sector in Sweden accounts for 40 per cent of energy consumption that is used for electricity and heating, while Swedish universities stand empty for 50-75 per cent of the time. On top of that, the construction sector is responsible for around 20 per cent of Sweden's greenhouse gas emissions. Energy saving measures are welcome, but the big savings are to be made in how we use our existing premises more efficiently. To reach Lund University's environmental targets, we need to continue conducting inventories of the faculty's premises in order to gain a better overview of usage and long-term requirements. This inventory will then form the basis of more efficient use of the faculty's premises.

Who does what? Process manager.

Resources: Part of the position and existing remit.

Timescale: Ongoing during 2023.

Activity 19: The future relocation of parts of the faculty to Brunnshög will have a very major impact on all aspects of the work environment for the entire faculty. It will primarily affect the

departments that are moving, but those departments that are to remain on Sölvegatan will also be affected. In this process, it is very important to monitor the effects on the work environment that it entails for staff, in order to minimise any negative changes.

Who does what? Work environment coordinator together with the faculty management, in consultation with health and safety representatives.

Resources: Extra resources for the work environment coordinator and health and safety representatives?

Timescale: Ongoing throughout the relocation process, evaluation at the annual organisational discussions.

Activity 20: During the planning and building phases of the move, the faculty management must also ensure that the new buildings at Brunnshög and possible renovations at Sölvegatan follow the aims above, in terms of sustainability goals and climate and environmental impact, for example.

Who does what? Process manager.

Resources: Part of the position and existing remit.

Timescale: Ongoing during the planning and building process.

Activity 21: Information about the faculty's work on equal opportunities is to be found in the faculty's equal opportunities plan.

Who does what? The faculty's Equal Opportunities Committee and the work environment coordinators are responsible for this work.

When it comes to first and second-cycle education, the directors of studies group is also involved.

Resources: Part of the position and existing remit.

Timescale: See this plan.

Goals from the Sustainability plan

University-wide goals in “Sustainability plan for Lund University 2020-2026”:

- To continue to set environmental requirements in the framework agreements that are renewed every year, through procurement processes.
- To reduce the greenhouse gas emissions (tonnes of carbon dioxide equivalents, CO₂e) by 50% up to 2023 with an average of 16% per year (reference year 2018) in compliance with research findings, the Intergovernmental Panel on Climate Change (IPCC), the Paris Agreement and the Climate Framework.
- Increase the sorting of waste generated on University premises.
- Increase the proportion of products and materials that are reused.
- Organisations are to be able to choose pre-used and renovated office furniture for re-use.
- Re-usability is to be taken into account in purchasing.
- Environmental and other sustainability requirements are placed on meals and transport when ordering catering, organising conferences and other events.
- More buildings are to be environmentally certified.
- All staff who deal with or are affected by sources of chemical risk are to have undertaken the relevant training about legislation, responsibility and the safe handling of sources of chemical risk.
- To introduce local KLARA administrators at the departments/divisions/equivalents which handle chemical products.
- To reduce the proportion of red-labelled products in KLARA to a maximum of 20%.
- To ensure the correct management of chemical products in case of local transfer or when moving out of departments/divisions/equivalents.

How we work

Activity 22: Several of the points above have already been implemented within our departments or cover the whole university. In the departments’ HSE committees, for example, heads of department

task the relevant work environment coordinators with discussing whether any of the points above need to be addressed.

Who does what? Heads of department delegate inventory taking to work environment coordinators, who may also forward suggestions for planning.

Resources: Part of the position and existing remit.

Timescale: During 2023, and then recurringly.

Activity 23: Information is sent out to the faculty's employees about the organisational aims above, and how these are to be integrated into operations. In particular, Lund University's aims in terms of travel policy, reuse, meals and transport should be raised.

Who does what? The faculty's communications managers implement this in consultation with other communications officers at the faculty.

Resources: Part of the position and existing remit.

Timescale: During spring 2022

Activity 24: The heads of department will be tasked with doing an inventory of desirable improvements in our outdoor environment. Discussions with LU Estates/Akademiska Hus will be initiated. Examples of potential suggestions might be lockable bike racks, charging posts, or changes to outdoor environments to promote biodiversity.

Who does what? Heads of department and others.

Resources: Part of the position and existing remit.

Timescale: During 2023, then ongoing.