

JOURNAL OF THE SUSTAINABILITY REPORT 2022



“THE CORONA PANDEMIC AND THE WAR IN UKRAINE WERE CERTAINLY NOT NEEDED TO REMIND US OF THE IMPORTANCE OF SUSTAINABILITY FOR COEXISTENCE ON OUR PLANET AT A TIME OF ALREADY STRONG SOCIAL UPHEAVAL AND GLOBAL CHALLENGES POSED BY CLIMATE CHANGE. WE WILL NOT CEASE TO PURSUE THIS TOPIC, WHICH IS CRUCIAL FOR THE SURVIVAL OF HUMANITY, WITH THE GREATEST VIGOUR IN RESEARCH AND TEACHING AS WELL AS IN OUR EVERYDAY UNIVERSITY LIFE AT EVERY OPPORTUNITY.”

SASCHA SPOUN, President Leuphana University Lüneburg



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SUSTAINABLE LEUPHANA

6 | Leuphana University Lüneburg builds its development on a comprehensive vision of education and research. It considers itself a public university for freedom and responsibility and follows the guiding principles of humanism, sustainability and application orientation.

The topic of sustainability in particular has been influential for the university for many years: as early as the year 2000, the Senate adopted the first guidelines on sustainability. The School of Sustainability, which was founded in 2010 and is the only one of its kind in Germany, conducts research into the transformation and development process towards a sustainable society.

Leuphana's sustainability research contributes to solving real-life sustainability problems at local and regional as well as international level. College as well as Graduate and Professional School offer study programmes on sustainability and all students are involved with the field of sustainability from their first semester, the Leuphana Semester. In addition, all students in a bachelor's or master's programme have the opportunity to take seminars on sustainability outside their own field.

We also set standards for the sustainable development of the campus: The university has been certified according to the European Environmental Management and Audit Scheme (EMAS) guideline since 2000, has been certified as family-friendly since 2010 and has been climate neutral since 2014.

MEMBERSHIP IN SUSTAINABLE NETWORKS AND COOPERATIONS

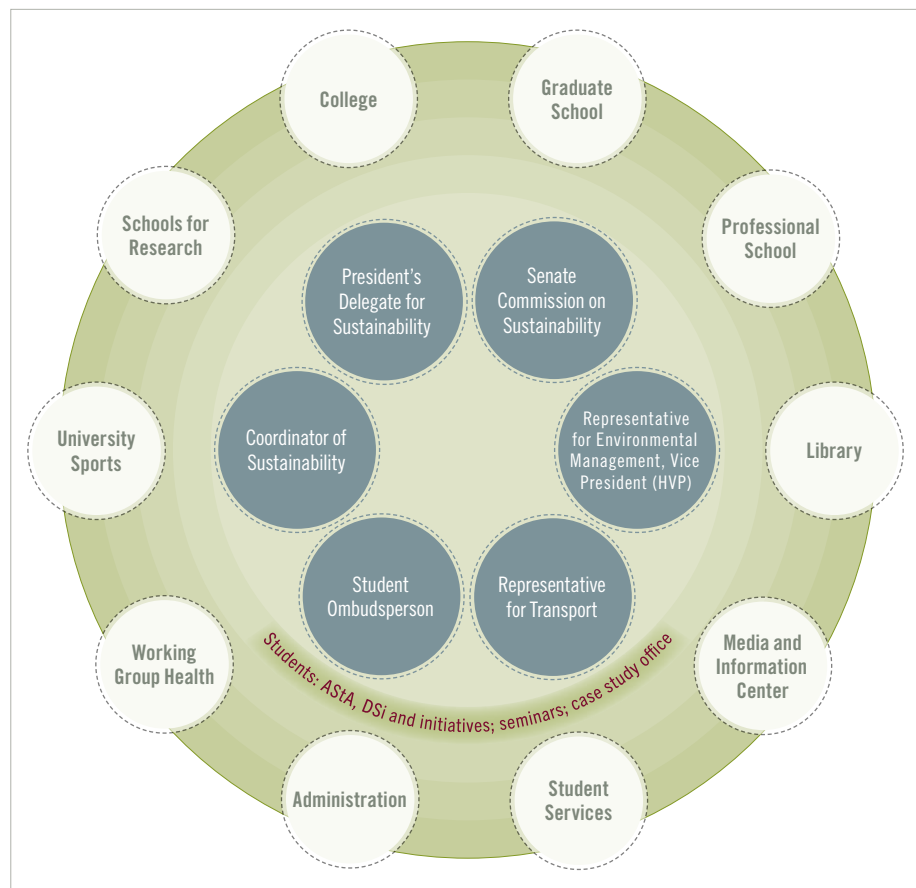
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- Copernicus Alliance (European Network on Higher Education for Sustainable Development)
- International Sustainable Campus Network (ISCN)
- UN Initiative "Principles for Responsible Management Education" (UnPrme)
- Global Consortium Sustainability Outcome (GCSO)
- Network of Programmes in Transformational Sustainability (NEPS)
- Network for Sustainable Science (NAWIS)
- Sustainability Network of Universities in Lower Saxony (HochNiNa)
- Worldwide Network of Yunus Centres for Social Business (YCSB)
- Centre for Global Sustainability and Cultural Transformation (CGSC)
- Institute for Sustainable Development and Learning (ISDL)

This journal presents examples on the ambitious path to sustainability. The complete sustainability report with all information and data can be found at: www.leuphana.de/nachhaltig

ORGANISATION AND PARTICIPATION

8 | The responsibilities, tasks and participation opportunities are anchored in the organisational structure for sustainability issues and processes. Thus, there is a guarantee that these complex tasks and processes are an integral part of the further development of the university.



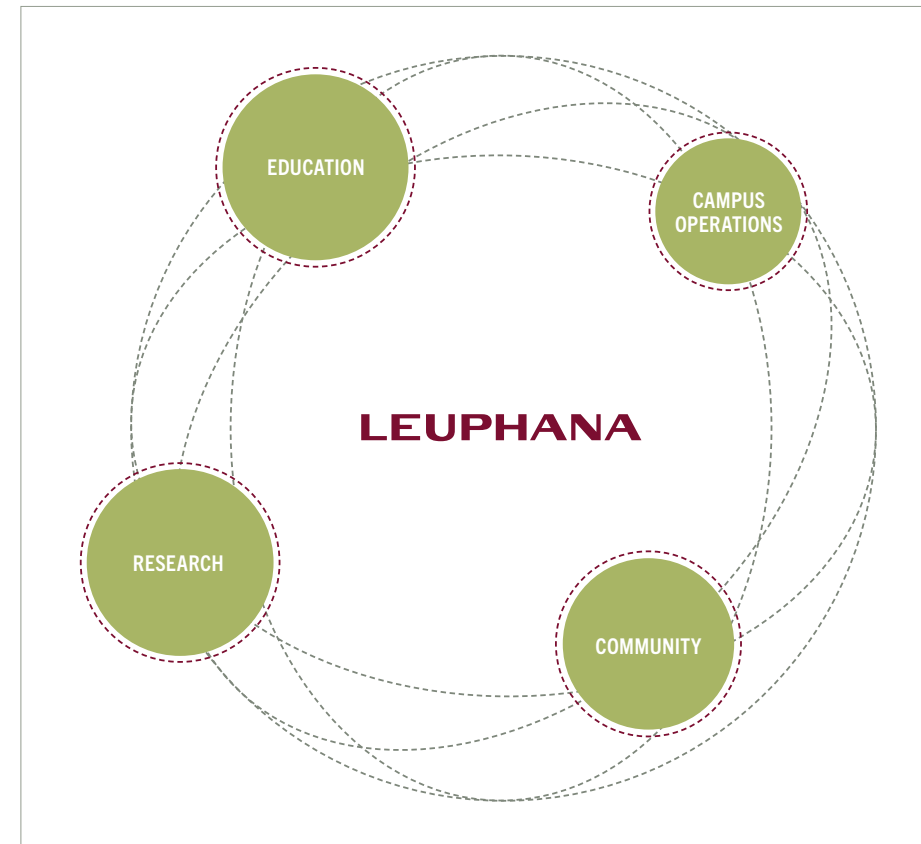
- The *senate commission on sustainability* is composed of professorship representatives, academic staff, university administration, and students. Chairperson is the university president. The equal opportunities representative and the staff council provide advice to the commission.
- The *president's delegate for sustainability* continues to develop the sustainability science initiative and supports the integral implementation of the sustainability mission statement.
- The *full-time vice president (HVP)* is the representative for environmental management.
- The *coordinator of sustainability* coordinates the cross-cutting topic of sustainability.
- The *representative for transport and campus accessibility* is contact person for sustainable mobility at the university and in particular for coordination with the City of Lüneburg.
- Participation in sustainability is organised by the *sustainability representatives* of the five schools for research, three schools for teaching and learning, and the institutions.
- The *student ombudsperson* acts as liaison for sustainability issues, suggestions, and concepts from the student body.
- Students get involved through the *general students' committee (AStA)* and its sustainability units.
- About 80 voluntary student initiatives contribute to shaping the university.
- The *umbrella organisation of student initiatives (DSi)* links the initiatives' work on campus.
- The *case study office* of the School of Sustainability coordinates inter- and transdisciplinary student research projects (case studies) at the university.

FIELDS OF ACTION

Leuphana University Lüneburg lives sustainability as a whole-institution approach. Research, education, community, and campus operations influence each other and are therefore considered to be a common whole. An important aspect is the sustainable design of research, teaching, and learning environments and thus the development of the university campus culture.



Maja Göpel and Richard David Precht hosted the Utopia Conference. In 2021, the question was “How do we transform the 2020s into a driving force for social change?”



Leuphana University Lüneburg lives sustainability as a whole-institution approach

TAKING THE STEP TOWARDS INDEPENDENCE (STEP)

THE ENTREPRENEURSHIP RESEARCH PROJECT STEP SUPPORTS YOUNG PEOPLE IN THE GLOBAL SOUTH ON THEIR WAY TO OWNING THEIR OWN BUSINESS.

Youth unemployment in Africa is dramatic: “About one in two cannot find a job — despite good education,” says Dr. Michael Gielnik, Professor of Human Resources, in particular Human Resources Development. For more than ten years, he and Dr. Michael Frese, Professor of Psychology, in particular Innovation and Entrepreneurship, have been supporting young people in the global South on their way to self-employment. STEP stands for Student Training for Entrepreneurial Promotion and is a joint transdisciplinary research project of Leuphana University Lüneburg and several partner universities in East and West Africa. More than 20 universities and vocational schools have now offered the twelve-week entrepreneurship training programme, and around 11,000 young people have completed the programme: “One of the reasons STEP is that successful is perhaps because we don’t want to export Western knowledge to the Global South, but work together with local educational institutions. After a three-year establishment phase, local actors implement STEP independently. The local partners receive all the necessary materials and tools,” explains Michael Gielnik.

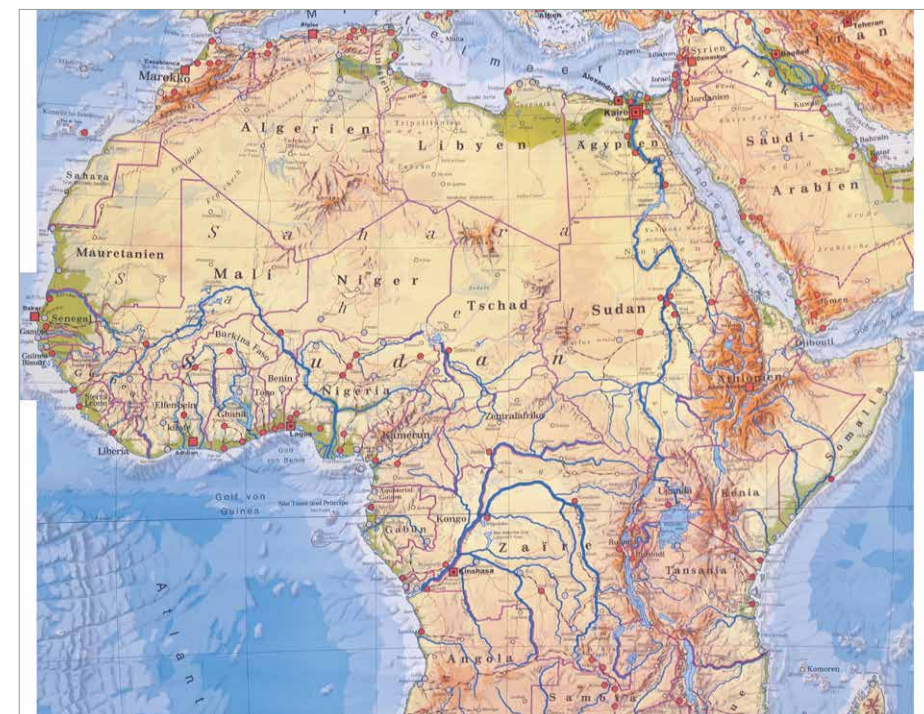
STEP training is unique because it is application-oriented and evidence-based. During STEP training, participants create a microenterprise to learn entrepreneurship on-the-job. One participant, for example, set up a bakery and later employed seven staff. “By connecting to practice, the founders learn to trust their abilities and gain practical experience,” says Michael Gielnik. The training is evaluated regularly using a randomised control group design: “The number of start-ups increased by 34 percent as a result of STEP and 40 percent more jobs were created than by the



above: Dr Michael Gielnik, Professor of Human Resources, in particular Human Resources Development

below: Dr. Michael Frese, Professor of Psychology, in particular Innovation and Entrepreneurship

group that did not participate in the training,” the researcher reports. The entrepreneurship programme will be continued permanently. In addition to the African continent, it is also offered in the Philippines and Mexico.



Leuphana researchers cooperate with partner universities in East and West Africa.

The German Academic Exchange Service (DAAD) and the German UNESCO Commission fund STEP training and the research projects based on it.

SAVING SPECIES-RICH GRASSLANDS

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MEADOWS AND PASTURES ARE AMONG THE MOST BIODIVERSE ECOSYSTEMS. YET THESE BIODIVERSITY HOTSPOTS HAVE BEEN INCREASINGLY DEPLETED IN RECENT DECADES. VICKY TEMPERTON, PROFESSOR OF ECOSYSTEM FUNCTIONING & SERVICES, TOGETHER WITH A TEAM OF RESEARCHERS AND PRACTITIONERS, IS LOOKING FOR SOLUTIONS ON WHAT LEADS TO THE MOST SUCCESSFUL RESTORATION OF GRASSLANDS.



Vicky Temperton, Professor of Ecosystem Functioning & Services

Flowering forbs swaying in the wind in all their floral beauty: in open ecosystems, they are often the very species that are visited by insects, especially pollinators, but they are disappearing at the same time as the grassland plant species have been in decline due to conversion, but also degradation of grasslands. Grassland is also particularly resistant to extreme weather events and stores carbon in the soil for long periods of time. Against this background, the **Grassworks project** examines which factors lead to success in grassland restoration in Germany – an overall synthesis that has surprisingly not happened so far for grasslands either in Germany or internationally. Ecological, socio-ecological, and socio-economic facets are examined in an overall analysis. “With the results we aim to make a significant contribution to the question of how grassland could be restored in such a way that ecologically high-quality ecosystems are created and maintained and at the same time farmers and landowners are fairly rewarded for their services to the common good,” Vicky Temperton describes the goal of the project.

Three model regions in Germany were selected for the project. In each project region, in addition to the assessment of 40 already restored areas, so-called living labs are being set up, in which concrete restoration measures will be implemented in cooperation with local stakeholders such as farmers, NGOs and administrators. As role model projects, the aim is that the living labs promote a change in awareness and valuing



Restored meadow in Luhmühlen with high biodiversity.

of species rich grasslands, thus reducing further grassland destruction, but also incentivising the successful restoration of existing degraded grassland. Species-rich grassland provides a wide range of ecosystem services, including high-quality fodder, carbon sequestration in the soil, food, and habitat for many animal and plant species.

The BMBF-funded Grassworks project, led by Vicky Temperton and Prof. Anita Kirmer (Anhalt-Bernburg University of Applied Sciences), is run at Leuphana (in the Institute of Ecology and the new Social Ecological Systems Institute) in cooperation with Anhalt University of Applied Sciences, the Technical University of Munich, the Thünen Institute for Biodiversity in Braunschweig, the University of Greifswald, and the German Association for Landscape Management as an important practice partner. The Leuphana team has received around 1.2 million Euros of the total funding of more than 3 million Euros for Phase II of this project.

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FOR HER BACHELOR'S THESIS, THE ENVIRONMENTAL SCIENCES STUDENT ANALYSED THE ECO-BALANCE OF ALGAE CULTURES THAT COULD HELP, FOR EXAMPLE, PRODUCE A SOY SUBSTITUTE FROM FOOD WASTE. WITH HER THEORETICAL INVESTIGATION, THE 24-YEAR-OLD WON SECOND PLACE IN THE "FOOD FOR THOUGHT" COMPETITION AT THE LCA FOOD 2020 CONFERENCE.

Galdieria sulphuraria is microscopically small, but could probably do great things: On the one hand, the alga performs photosynthesis, i.e. it consumes carbon dioxide. On the other hand it can also metabolise sugar. These abilities of unicellular organisms make them interesting for science. "Microalgae could replace soy in the long term," explains Karolin Thielemann. *Galdieria sulphuraria* consists of a protein-rich biomass that can be used as meat or feed substitute. The Environmental Sciences student is writing her bachelor's thesis on the **life cycle assessment (LCA)** of algae cultures under the supervision of Professor Dr. Daniel Pleissner at the Institute of Sustainable and Environmental Chemistry (ISEC).

In her theoretical work, she looks at every step, from the preparation of the culture in bioreactors to the algae harvest, for example by centrifugation. She draws on literature data and checks the life cycle assessment of the individual steps: How much energy is consumed? What are the CO₂ emissions? "In algae cultivation, some processes are already being implemented in practice. But not much is known about the environmental impact associated with the recycling of food waste," explains Karolin Thielemann.

Algae cultivation can be a valuable addition to classical agriculture: "It is independent of weather and light and reduces land use pressure, as less land and water are needed," said the Leuphana alumna.



Karolin Thielemann wrote her bachelor's thesis on algae cultivation



Karolin Thielemann presents the *Alge Galdieria sulphuraria* in the lab

Daniel Pleissner suggested that she take part in the scientific competition "Food for Thought" as part of the international LCA Food Conference 2020. The idea was to develop feasible ideas for using CO₂ emissions from the cement industry to produce new biomass for food production. Karolin Thielemann's proposal: algae should photosynthetically degrade the CO₂ emissions. An international jury of experts critically reviewed her proposal: "I had invested a lot of time beforehand, so I was able to answer all the questions well. Then second place in the competition! I didn't expect that at all," she says.

LCA Food is a global forum for the life cycle assessment of agricultural and food systems. The conference format convenes every two years.

NEW MASTER'S PROGRAMME PSYCHOLOGY & SUSTAIN- ABILITY

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THE RIJKSUNIVERSITEIT GRONINGEN IS REGARDED INTERNATIONALLY AS A LEADER IN THE FIELD OF ENVIRONMENTAL PSYCHOLOGY. LAST AUTUMN, LEUPHANA SUCCESSFULLY LAUNCHED A NEW DOUBLE DEGREE PROGRAMME TOGETHER WITH THE DUTCH UNIVERSITY.



Prof. Dr. Roman Trötschel heads the new double-degree programme

How do children develop an understanding of the challenges of sustainable development? Why do young people engage in “Fridays for Future” protests? How do political actors make decisions on energy, refugee or climate policy? Or: How are political conflicts negotiated in the context of social transformation processes? Together with Rijksuniversiteit Groningen, the Institute of Psychology and the School of Sustainability at Leuphana have developed a study programme to address such questions from the perspective of psychological research: “The focus is on how the human factor, i.e. the individual with his or her personal experience and behaviour, promotes or hinders sustainable development,” explains Dr Roman Trötschel, Professor of Social and Political Psychology and head of the new study programme Psychology & Sustainability.

While the traditional perspective of sustainability sciences often responds to the question of sustainable development at the systemic level – for example, nature, technology, politics or economics – psychology, as a sub-field of the interdisciplinary sustainability sciences, focuses on the cognitive thought patterns, emotional states of mind and motivational behavioural tendencies of individuals as determinants of sustainable development. “Sustainable development cannot be achieved without a systematic analysis of ecological, political or economic systems. However, without a deep understanding of the psychology of individuals, whose thought patterns, attitudes, decisions or behavioural tendencies significantly

influence the transformation process, the idea of sustainability is equally difficult to realise,” explains Roman Trötschel.

Dr. Goda Perlaviciute, programme coordinator at Rijksuniversiteit Groningen, is delighted about the partnership with Leuphana: “For Rijksuniversiteit Groningen, Leuphana with its great expertise in sustainability sciences and psychology is the optimal partner for a dual-degree programme bridging environmental and sustainability psychology.”

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Rijksuniversiteit Groningen is regarded internationally as a leader in the field of environmental psychology

STARTING OFF DURING CRISIS

20 |

THE CORONA PANDEMIC, OF ALL THINGS, GAVE THE START-UP “TRUST YOUR FOOD” A POWERFUL BOOST. NOW FOUNDER AND LEUPHANA STUDENT ANJA WÖLK IS SUCCESSFULLY SELLING ORGANIC VEGETABLES FROM COMMUNITY-SUPPORTED AGRICULTURE FOR THE THIRD YEAR IN A ROW.



Anja Wölk, Leuphana student and founder of solidarity-based direct marketing

Originally, the launch of “Trust your food” was precisely timed: Anja Wölk and her co-founders had planned to start a test run by the end of 2020. But Corona changed everything: “Many people knew our concept and urged us: Get started! Regional vegetables are in demand right now, because the supply chains are stable,” Anja Wölk recalls. The teacher training student developed the idea of solidarity-based direct marketing of regional and seasonal food during a seminar in the Leuphana Semester. She had already been working on healthy and fair nutrition for some time: “The concept takes up the principles of community-supported agriculture – but on a larger scale. We have several farmers from the region on board.” The concept: customers buy annual harvest shares from organic farmers in the region. Farmers would thus have a re-

Solidarity-based direct marketing not only supplies vegetables, but also offers suitable recipe ideas such as cabbage with nut crust (r.) or baked garlic (m.)



liable basis for planning and be paid fairly for their work. “Trust your food” takes care of organisation, distribution and logistics. Everything is delivered unpacked. “Every week, customers receive freshly harvested organic seasonal vegetables with the best possible carbon footprint and tailored recipe ideas,” explains the founder.

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Together with her co-founders, Anja Wölk set up the logistics well before the planned launch date and started advertising her new enterprise. The team was supported by Leuphana’s start-up service: “We were in contact every week. Our contact person is part of a huge network and he helped to promote ‘Trust your food’,” reports Anja Wölk. The effort has paid off: the solidarity-based direct marketing is now entering its third successful harvest season.

For their idea “Trust you food”, Anja Wölk and environmental sciences student Lena Bettin were awarded the Salt Crystal at the Leuphana Conference Week 2019.



APP FOR SUSTAINABLE FASHION CONSUMPTION

22 |

MANY PEOPLE WISH TO SHOP MORE SUSTAINABLY. BUT THESE GOOD INTENTIONS ARE NOT ALWAYS PUT INTO PRACTICE. THE GREEN FASHION CHALLENGE AIMS TO CHANGE THAT.



Dr. Jacob Hörisch,
Professor of
Sustainability
Economics and
Management

The intention-behaviour gap describes the discrepancy between desire and reality. For fashion consumption, this means: consumers would like to consume clothes more consciously – socially and ecologically. Yet often they don't do so. "This can have various reasons, such as a lack of availability of sustainably produced clothing or a price that is too high," says Dr Jacob Hörisch, Professor of Sustainability Economics and Management. In 2019, Jacob Hörisch's team from the Centre for Sustainability Management won the ideas competition "Fashion Culture, Textiles and Sustainability" announced by the German Council for Sustainable Development. Realisation of the Green Fashion Challenge app was funded with around 50,000 Euros.

The application is not only intended to measure consumer behaviour in fashion consumption. The aim of the research and transfer project is to reduce the discrepancy between consumer attitudes and behaviour. The app therefore also provides information on eco-labels or a list of shops that offer sustainable fashion based on the data of the non-profit get-change network.

Based on the idea of gamification, each user first sets goals that can be shared with other participants: How many items of clothing do I want to buy in the coming period? Will I buy online or in stores? Do I want to buy second-hand clothes instead of new ones? What materials should my clothes be made of? "It may be, for example, that 20 per cent of your purchases are made in a socially responsible way or else that you want to buy a maximum of three items of clothing



per month," Jacob Hörisch explains. The app is intended to raise awareness of one's own shopping behaviour. The data is anonymously collected exclusively on the server of Leuphana University Lüneburg and will be statistically evaluated.

The Green Fashion Challenge aims to make fashion consumption more sustainable.

The Green Fashion Challenge app is free of charge. It can be downloaded from the project website and used on a smartphone like a conventional app: green-fashion.app

THE EQUAL OPPORTUNITIES OFFICE PROMOTES WOMEN'S CAREERS IN SCIENCE WITH A VARIETY OF OFFERS.



Dr. Kathrin van Riesen, Equal Opportunities Representative

“We want to promote diversity in research teams in the interest of quality in science,” says Dr. Kathrin van Riesen. The Equal Opportunities Representative and her team not only intend to attract women to research, but to also retain them. “We have to realise that potential is lost if we don’t focus on diversity in academic personnel development,” she says. In the current university ranking according to gender equality aspects by the Center of Excellence Women and Science (CEWS), Leuphana University Lüneburg ranks at the top in the area of academic qualifications for women. “For junior professorships, the appointment rate of female scientists is generally not less than 50 percent,” says Kathrin van Riesen. If you look at the number of female students in areas in which women are underrepresented in a nationwide comparison, Leuphana also finds itself in the top group. The CEWS ranking is based on data from the Federal Statistical Office.

The Equal Opportunities Office offers various programmes designed for female early career researchers, such as the one-and-a-half-year mentoring programmes ProViae and ProScience: ProViae is aimed at those who are considering a career within or outside of academia, and ProScience at those who are specifically preparing to enter a professorship. “We evaluated the programme a few years ago and the success of the relevant career steps, such as taking on a substitute professorship, moving abroad or to a prestigious university, as well as being appointed to a junior professorship or full professorship, was evident,” explains Kathrin van Riesen. Since 2016, the mentoring team has offered competence days for female early career researchers. The programme to promote the internationalisation of female

early career researchers is new. It is intended to take into account the increasing importance of international research and publication activities for the academic careers of women aspiring to professorships.



The Equal Opportunities Office promotes diversity in academic career development

26 | THE LEUPHANA FOOD FOREST IS BEING CREATED BEHIND THE LIBRARY ON AN AREA OF AROUND 450 SQUARE METRES. ON A SMALL PILOT AREA, IT WILL HELP TO PRESENT THE CONCEPT OF THE FOOD FOREST AS A SUSTAINABLE, MULTI-LAYERED FOOD SYSTEM.

The food forest is still in hibernation. But early warm rays of sunshine are slowly awakening the first guild of new plants: Sweet chestnut, elderberry and white, red and black currants will not only provide more biodiversity on campus. “A food forest is a structurally rich, near-natural place where edible plants are grown. Role models are near-natural forest fringes with different layers of vegetation such as trees, shrubs, climbing plants and herbs,” explains Stefanie Albrecht, doctoral student at the Robert Bosch Kolleg “Processes of Sustainability Transformation”. The food forest can also be a meeting and recreation place, as well as a place for learning. Students of environmental sciences have already accompanied the development in a sustainability research project together with Stefanie Albrecht and the ecologist Dr Agnes Friedel at the School of Sustainability.

The Leuphana Food Forest is an integral part of the master plan for redesigning the campus. Together with Irmhild Brügggen, architect Oliver Günther supports integration into campus planning as well as structural implementation. “Food Forests represent sustainable and multifunctional use, among other things, in urban space. We take another important step on the way to redesigning the campus with this installation,” explains the sustainability officer.

Practical work on the food forest began in the summer of 2021 – again as part of a seminar. Students analysed the soil in the laboratory and found that it was sandy, partially compacted and had only small humus layer. Therefore, they spread

a green manure with a high diversity of species. The chosen plant species can help to loosen the soil, increase water storage capacity and improve the supply of nutrients. “It is through living-labs like this one that theories taught in university are related to other areas of our world. I was able to help initiate a change and practise in a protected setting,” says Mercedes Schroeder, an environmental sciences student.

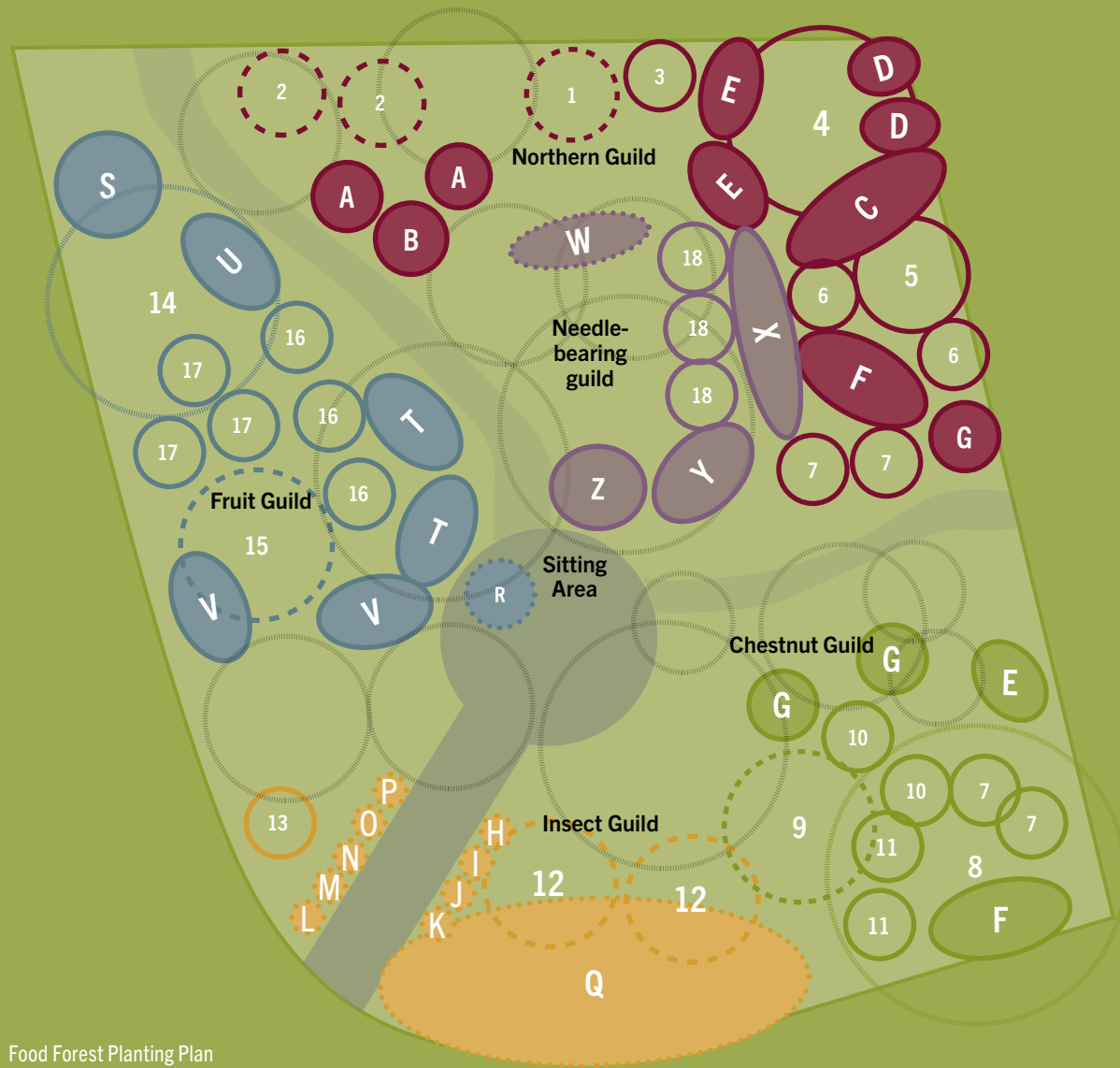
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The Leuphana food forest is located behind the library. Soon various plant guilds will be blossoming there.

The food forest is a cooperative project involving teaching at the School of Sustainability, the Edible Campus Initiative and the Lebenswelt Campus project.

CAMPUS OPERATIONS



Food Forest Planting Plan

Layer	Northern Guild	Chestnut Guild	Insect Guild	Fruit Guild	Needle-bearing Guild
Upper tree layer		8: Edible chestnut		14: Edible mountain ash	
Lower tree layer	1: Rock pear 2: Pseudo quince	9: Elder	12: Apple tree Berlepsch	15: Oil willow	
Shrub layer	3: Barberry 4: Coral oil willow 5: Dwarf mulberry 6: Rosehip rose 7: Red currant	7: Red currant 10: Blackcurrant 11: White currant	13: Beaver rose	16: Chokeberry 17: Columnar apple tree	18: Blueberry
Herb layer			H: Lemon balm I: Sage J: Chives K: Thyme L: Mint M: Lavender N: Tarragon O: Oregano P: Coriander Q: Insect forest meadow	R: Nasturtium	W: Ostrich fern
Patches	A: Garlic knapweed B: Snow leek C: Forest honeysuckle D: Caraway E: Bronze fennel F: Sea cabbage G: Lovage	F: Sea cabbage G: Lovage		S: Comfrey T: Wood aster U: Deadnettle V: Cranesbill	X: Blueberry Y: Raspberry Z: Sweet umbels

FACTS AND FIGURES

STRUCTURE AND STUDY PROGRAMMES

University Structure

- 5 Schools for Research: Sustainability, Education, Cultural Studies, Management and Technology, Political Science (founded in summer semester 2022).
- 3 Schools for Teaching and Learning: College, Graduate School, Professional School

Study Programmes Winter Semester 2021/22

- 13 majors at the College; of which sustainability-related: Global Environmental and Sustainability Studies | Environmental Sciences | Studium Individuale
- 17 minors at the College; of which sustainability-related: Sustainability Sciences | Spatial Sciences
- 3 teacher education programmes at the College
- 1,400 first-year students study within the module “Science Transformed: Responsible Action” the subject area of sustainability (10 credit points)
- 15 majors at the Graduate School; of which sustainability-related: Sustainability Sciences (M.Sc.)
- Sustainability Sciences (M.Sc.) | Managing & Sustainable Accounting and Finance (M.Sc.) | Psychology & Sustainability (M.Sc.)
- 4 teacher-training programmes at the Graduate School
- 3 part-time bachelor’s programmes at the Professional School
- 18 postgraduate master’s programmes at the Professional School; of which sustainability-related: Sustainability Management (MBA) | Sustainable Chemistry Management (MBA) | Sustainable Chemistry (M.Sc.) | Sustainability Law (LL.M.) | Governance and Human Rights (M.A.) | Prevention and Health Promotion (MPH)
- 19 certificate programmes; of which sustainability-related: Law of the Energy

- Transition | Environmental Law | Sustainable Chemistry and Benign by Design | Sustainable Chemistry + Regulatory Affairs | Practices of Sustainable Chemistry
- 80 Student initiatives

UNIVERSITY IN NUMBERS

The overview is provided from the merger of University Lüneburg with the University of Applied Sciences Northeast Lower Saxony. In 2017, the central building was put into operation.

	2006	2010	2015	2018	2019	2020
EMPLOYEES (number)	772	925	1.027	1.076	1.053	1.095
of which women	50%	57%	57%	59%	58%	58%
of which temporary	*	51%	51%	49%	45%	46%
PROFESSORS (number)	166	155	170	181	173	178
of which women	22%	26%	28%	31%	31%	32%
SCIENTIFIC STAFF (number)	270	374	396	410	391	414
of which women	42%	55%	54%	57%	56%	55%
of which temporary	*	79%	84%	84%	82%	85%
ADMINISTRATION (number)	336	396	461	485	489	503
of which women	71%	71%	70%	71%	70%	70%
of which temporary	*	34%	30%	23%	19%	17%
STUDENTS in the winter semester (number)	10.297	6.982	9.239	9.888	9.900	9.823
of which women	61%	60%	60%	56%	61%	62%
of which students from abroad	5%	4%	4%	5%	6%	6%

	2006	2010	2015	2018	2019	2020
FINANCES						
State Allocation [€ m]	43,2	55,4	55,9	58,6	62,5	64,3
Third-party funds [€ m]	6,8	11,4	31,0	22,2	21,8	21,0
Special funds from the state [€ m]	2,0	5,4	17,2	15,9	15,9	14,3
AREA (NUF 1-6, university use only) [m²]						
	50.600	54.416	54.300	63.301	59.960	59.334
ELECTRICITY [MWh]						
	2.978	3.128	3.256	3.834	3.373	2.397
Share of renewable energy	*	23%	100%	100%	100%	100%
in [kWh] per employee	3.822	3.494	3.170	3.563	3.203	2.189
per area (NUF 1-6) [kWh/m ²]	58,8	57,5	60,0	60,6	56,3	40,4
HEAT [MWh], weather-adjusted						
	6.707	7.803	6.426	8.384	6.891	6.862
Share of renewable energy	—	—	—	70%	89%	89%
in [kWh] per employee	8.610	8.719	6.257	7.792	6.544	6.267
per area (NUF 1-6) [kWh/m ²]	132,6	143,4	118,3	132,4	114,9	115,1
COLD [MWh]						
	—	—	—	296	251	191

	2006	2010	2015	2018	2019	2020
CO₂EQ. EMISSION [t], electricity, heating, cooling						
	2.319	2.589	-465	-517	-898	-768
WATER [m³]						
	15.219	15.871	17.754	18.005	16.670	19.106
in cubic metres [m ³] per employee	19,54	17,73	17,29	16,73	15,83	17,45
per area (NUF 1-6) [m ³ /m ²]	0,30	0,29	0,33	0,28	0,28	0,32
WASTE						
Residual waste, provided volume [m ³]	1.548	1.177	1.384	2.062	2.019	1.993
Hazardous waste [t]	1,00	0,55	1,28	1,36	0	0,56
Waste paper [t]	47,0	54,2	66,8	72,2	83,8	57,1
PAPER, million sheets of A4 paper						
	*	*	*	4,93	4,21	2,57
of which recycled paper	*	*	*	54%	100%	99%

* no data available

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www.leuphana.de/nachhaltig

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