



**TECHNISCHE
UNIVERSITÄT
DRESDEN**

**5 / 6
Nov
2019**



INVITATION



A Roadmap to
Sustainable Universities

Development paths to
more sustainability at
TU Dresden

The concepts of *sustainability* and *sustainable development* have gained considerable importance in politics and society since the 1990s. At the UN Conference on Environment and Development (UNCED) in Rio de Janeiro in 1992, the international community agreed on a new development model based on the recognition that economic efficiency, social justice and the safeguarding of natural resources are equal and vital interests that complement each other. Since then, principles such as intergenerational justice, social cohesion, safeguarding the quality of life and international responsibility have been important guidelines for sustainable development.

The event on 5 and 6 November 2019 is intended to be used by the Environmental Protection Group, Directorate Property Management, Technology and Safety Group together with partners from the HOCH^N joint project (BMBF project, duration 11/2016 – 10/2020) to discuss the TUD's possibilities for sustainable development in an exchange of ideas and experiences with university members and partner organisations. The aim is to develop a roadmap for the TUD to more sustainability and to show development paths for topics such as campus design, mobility and energy efficiency on campus.

On 6 November 2019, the focus will be on the HOCH^N network and the exchange of experience between EMAS-certified universities. You are cordially invited to "network".

We look forward to your coming and stimulating discussions on sustainable development at the TUD!



AGENDA

5 November 2019

Venue: Festsaal Alte Mensa, M13/DÜLF

Registration from 11:00 am to 12:30 pm with lunch snack

11:00 am Showcase Sustainability

With a tour through the poster gallery, you have the opportunity to inform yourself about teaching and research projects with thematic references to ecological, social and economic sustainability. The TUD departments and faculties, the scientific institutions and partner organisations as well as student initiatives at the TUD are invited to present their work and projects.

*Registration for the Showcase Sustainability is possible until 14 August 2019. Please send a short abstract of your project to schaufenster_nachhaltigkeit@mailbox.tu-dresden.de
Posters can be presented in English or German language.*

12:30 pm Opening

Welcome and Introduction

*Kathrin Brömmer (Environmental Management Officer, TUD)
and Prof. Stefan Gumhold (Chairman of the Environment Commission of TUD)*

Keynote speech: Rethinking for a positive ecological footprint

Tim Janßen (Cradle to Cradle e.V., Berlin)

1:30 – 3:00 pm Discussion Circles

Presentation of the different topics by the moderators and grouping of the participants according to registration. The collected ideas and suggestions will be summarized by the moderators at the end of the discussion and will be discussed with all participants. >>



Discussion Circles

1 Sustainable development at TU Dresden – where are we going?

Marlene Odenbach (Head of Strategy and Communication) and Kathrin Brömmer (Environmental Management Officer, TUD)

Sustainability has many aspects: ecological, social, economic, legal, communicative ... Sustainability at a university moves in the cosmos of partly different needs of teaching, research and operation, of requirements of cooperation partners, students and employees. Let's talk about this: **How can TU Dresden develop sustainably and become a role model for society, economy and politics?**

2 Awareness raising and motivation for more sustainability

Dr. Ines Herr (Environmental Coordinator of TUD)

In addition to imparting knowledge in teaching and research, the TUD as an educational institution is also aware of its responsibility towards its employees and students to raise awareness and motivate them for the challenges and opportunities of sustainable development at the TUD. This improvement process can only succeed if it is actively shaped and lived by a large number of university members. **How can we persuade you to make your contribution to sustainable development at the TUD? What can your contribution look like?**

3 The TU campus of the future – Master Plan Campus Design

Prof. Irene Lohaus (Institute of Landscape Architecture)

In terms of size, the TUD Campus is the ninth largest in Germany, but so far it is only lively during regular working and lecture hours. After a comprehensive analysis of the campus areas and a phase of the development and discussion of spatial-design scenarios by the planning office Karres+Brands from the Netherlands, an overall concept for the campus' outdoor spaces has now been developed, which serves as a basis for in-depth planning and future implementation measures. The priorities have been set and starter projects defined. **How do we turn the HSZ-Wiese into an attractive and versatile meeting place where university life and academic exchange come together?**

4

Mobility concept for the central campus of TUD

Prof. Regine Gerike and PD Dr. Rico Wittwer (Institute of Transport Planning and Road Traffic)

The way to an attractive, lively and innovative campus offering high quality places and very good accessibility is at the forefront of the considerations for a mobility concept across all modes of transport. The mobility surveys conducted in 2008 and 2018 show that employees currently only travel three out of ten routes to work by car. This is just under 20 percent fewer car journeys per employee than in 2008. The proportion of car journeys to university by our students is already extremely low (4 %). In order to create space for the implementation of the ideas developed as part of the Campus Master Plan, it would be necessary in the medium term to reduce the need for parking space on the core campus of the TU. **How could a path to this end look like that would be supported by all stakeholders? How do we want to travel in the future? Which measures are suitable to achieve the set goals?**

5

TUD energy efficiency campus

Dr.-Ing Annina Gritzki (Institute of Power Engineering)

Within the framework of the CAMPER-MOVE research project (04/2019 – 03/2024, funded by the BMWi), an interdisciplinary project team in cooperation with the TU administration (Directorate 4) is developing and supporting the implementation of measures for energetic optimisation for resource-saving consumption on the TUD campus. In addition to structural and technical measures with the development of further regenerative and process-related energy sources on the campus, particular attention will be paid to supporting users in their efforts to save energy. This includes awareness raising, participation and provision of user-friendly information on energy consumption. **How can an energy-efficient campus be created and are incentive structures necessary?**

6

Good teaching for more sustainability in business, politics and society

Dr. phil. Michael Krieg (Director School of Civil and Environmental Engineering) and Dr. Anne-Karen Hüske (PRISMA – Centre for Sustainability Assessment and Policy)

Sustainability is addressed in various TUD study programmes and teaching formats: in Master's programmes with a special focus on sustainability, in academic continuing education through CIPSEM, in cooperative doctoral programmes, etc. In a workshop format, teachers, students and alumni from various educational programmes related to sustainability have their say and report on their experiences in the degree programmes and in professional life afterwards. **In general: How can we at the TUD promote sustainability in business, economy and society by teaching?**

3:00 pm Coffee break

3:30 – 5:00 pm Summary of the results of the working groups and joint discussion (fish bowl format)

Development paths for more sustainability – a roadmap for TUD

*Dr. Andreas Handschuh (Chancellor of TUD) to be confirmed
Prof. Edeltraud Günther (Director UNU-FLORES – United Nations University, Institute for Integrated Management of Material Fluxes and of Resources)*

*Prof. Irene Lohaus (Institute of Landscape Architecture)
Lutz Thies (Student representatives in the Senate of TUD)*

from 5 pm Conclusion and informal finale

Kathrin Brömmer (Environmental Management Officer, TUD)

Afterwards optional dinner in the historical city centre of Dresden (on self-paying basis).

AGENDA

6 November 2019

Venue: Festsaal Tillich-Bau (TIL 205)

Networking day and EMAS exchange of experience – TUD in cooperation with sustainable universities

Moderation: Nicolas Roos (Chair of Business Management, esp. Sustainability Management and Environmental Accounting)

Through its cooperation and exchange with other universities, scientific organisations and institutions at international, national and regional level, the TUD receives important impulses to face the complex challenges of sustainable development. The TUD benefits from topic- and demand-specific networking with actors from science, business, the public sector, politics, culture and society.

8:30 am Arrival of the participants

9:00 am Welcome

9:30 – 11:30 am Session 1 Parallel workshops

Slot 1 HOCH^N Operation

Slot 2 HOCH^N Governance

Slot 3 EMAS expert session, exchange of experience between universities with environmental management systems

11:30 am – 12:30 pm Lunch break and time for discussions

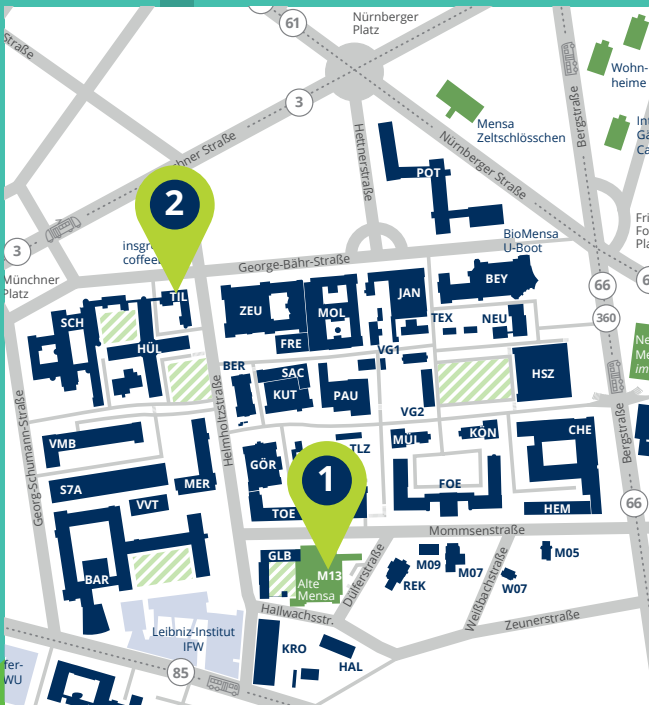
12:30 – 2:00 pm Session 2 Parallel workshops

Slot 4 HOCH^N Reporting

Slot 5 EMAS Expert session, exchange of experience between universities with environmental management systems

Slot 6 University-specific framework conditions of sustainability

2:00 – 2:30 pm Summary and conclusion



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THANKS TO OUR PARTNERS

