

Certificate

certification number: 24.28941-211992

Munich, July 2024

We hereby certify that

Ina Renett

has successfully completed the Certificate Program

Sustainable Management & Technology - Transformation towards Sustainability

Reconciling ecological, social and economic sustainability in management and technology development is one of today's major challenges. This program enables participants to support their organizations in the transformation towards a more sustainable future and to identify and actively shape new, innovative technology trends at an early stage.

The program correlates with an overall level of 5 ECTS credits. The following content was covered on the six-days seminar:

Topic 1: Sustainable supply chains

- ▶ Fundamentals in supply chain management
- ▶ Social standards in supply chains and risk management
- ▶ Planning approaches and advanced technologies for emission reduction

Topic 2: Circular Economy

- ▶ Sustainability challenges for business and society
- ▶ The concept of circular economy and starting points for its implementation

Topic 3: Sustainable behavior change

- ▶ Effect of norms, social comparisons, and nudges
- ▶ Challenges of financial incentives
- ▶ Cooperation and change processes

Topic 4: Defossilization

- ▶ Substitution of fossil resources by biogenic resources - Emergence and global potentials
- ▶ Development trends of current and future markets for biogenic resources
- ▶ Case study in Europe and outlook

Topic 5: Political governance of bioeconomy and sustainability

- ▶ Current tax instruments for companies and government objectives
- ▶ Corporate action and its international implications
- ▶ Supply chain due diligence act
- ▶ Corporate carbon neutrality

Inspirational lectures on diverse topics

- ▶ How much protein content will have the coming technologies?
- ▶ Consumer opportunities to reduce plastic packaging
- ▶ (Bio)gas and electromobility: What's in it for the climate and how much?
- ▶ Renewable raw materials - When is it worthwhile to use them as materials?
- ▶ Transition toward a circular economy from an academic and industry perspective .



Prof. Dr. Alexander Hübner
Academic Program Director
Sustainable Management & Technology
Chair of Supply and Value Chain Management, TUM

Certificate Supplement

The TUM Institute for LifeLong Learning supports international experts and leaders from science, business and society in successfully meeting the challenges of the 21st century through science-based and technology-supported professional and leadership development. The Institute offers innovative continuing education programs, which convey the latest research findings from the technical and natural sciences in a practice-oriented manner. The Technical University of Munich opened the TUM Institute for LifeLong Learning in January 2021 to manifest TUM as a place for lifelong learning.

The program acts as an introduction to current discussions within sustainable management and innovative biotechnologies. Participants will acquire the ability to support the transformation of their organizations towards sustainable entities. They learn to assess which trends and technologies have the potential to prevail on the market in the future. Furthermore, they will be able to strengthen economic, social and ecological sustainability of their organizations, and identify new business areas and technology trends. In addition, methodological knowledge is imparted, e.g. in life cycle assessment, circular economy, bioeconomy and design of sustainable supply chains. The program is comprised of two attendance blocks in Straubing and a number of digital lectures and keynote speeches. To ensure a smooth transfer of knowledge to participants' own work environments we offer the chance to work on an individual basis with our professional coaches.