

Sustainability Meets Innovation: Shape the Future of Digital Sustainability Management!

As global awareness of environmental, social, and governance (ESG) issues grows, organizations face increasing pressure to adopt sustainable practices. Digital sustainability management combines technological innovation with strategic thinking to tackle these challenges, ensuring compliance with regulations and driving transformation to gain a competitive edge.

This master's thesis addresses the critical role of information systems in accelerating the transition toward decarbonization. Through this project, you will explore how cutting-edge digital technologies and tools can amplify sustainability initiatives. You will gain the skills to design, implement, and monitor robust sustainability solutions that drive measurable impact. This research empowers you to be at the forefront of digital transformation, equipping you with the knowledge to influence organizational strategies and promote a sustainable future.

Selected topics in the field of digital sustainability management include:

- **Drive Twin Transformation:** Explore the integration of digital and sustainable practices, achieving positive transformative impacts for organizations.
- **Advance Digital ESG Reporting:** Design approaches for effective digital ESG reporting and compliance management.
- **Develop Data Strategies:** Craft holistic data strategies and concepts to support sustainable decision-making and reporting.
- **Design Next Level Digital Measurement, Reporting, and Verification:** Conceptualize, evaluate, and refine approaches for precise and verifiable digital measurement, reporting, and verification (e.g., including digital product passports).

In collaboration with our expert faculty, you will define the scope and mission of your thesis, ensuring a personalized and impactful research experience. Together, we will select suitable research methods tailored to your interests and goals.

Are you ready to maximize the impact of your master's thesis? We provide comprehensive and individualized support to publish your findings in a scientific journal, allowing you to contribute to the academic community and enhance your professional profile. Join us in our mission to pioneer the future of digital innovation and make a lasting difference in the field!

Organizational Scope

- Start date: **anytime**
- Duration: **6 months**
- Supervision: **Prof. Dr. Sebastian Schwenen**
- Co-supervision: **Fraunhofer FIT**

Your Profile

- Strong interest in leveraging information systems for sustainable business transformations
- Drive and passion for engaging in research
- Analytical and problem-solving capabilities
- Open-minded attitude with a proactive and collaborative working style
- Excellent written and verbal communication skills

Who we are & what we offer

- **Fraunhofer FIT is part of the world's leading applied research organization** | Fraunhofer FIT is a trailblazer in innovation and research excellence with a key focus on actively shaping the future of our energy system
- **Impact** | Accelerate the energy transition firsthand by working on topics that are timely and most relevant for achieving our energy and climate policy goals in Germany and Europe
- **Interdisciplinary teamwork** | Work in an interdisciplinary team with experienced research experts (doctoral candidates, post-doctoral researchers and/or professors)
- **Feedback** | Open feedback culture to advance your hard and soft skills in Information Systems Research, project management, and related fields

Sounds Great?

We are happy to receive your application: **Short motivation letter, resume, and transcript of records** via mail to leo.schick@fit.fraunhofer.de



Supervision | TU Munich
Prof. Dr. Sebastian Schwenen

Co-Supervision | Fraunhofer FIT
Prof. Dr. Jens Strüker



Co-Supervision | Fraunhofer FIT
Dr. Marc-Fabian Körner

