

2024 Sharing Information on Progress **(SIP) Report**

TUM School of Management

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About the Principles for Responsible Management Education (PRME)

The Principles for Responsible Management Education (PRME) is a United Nations-supported initiative founded in 2007 that aims to raise the profile of sustainability in their classrooms through Seven Principles focused on serving society and safeguarding our planet.

PRME engages business and management schools to ensure they provide future leaders with the skills needed to balance economic and sustainability goals, while drawing attention to the Sustainable Development Goals (SDGs) and aligning academic institutions with the work of the UN Global Compact. Driven by its mission to transform management education, PRME equips today's business students with the understanding and ability to deliver change tomorrow. As a voluntary initiative with over 800 signatories worldwide, PRME has become the largest organized relationship between the United Nations and management-related higher education institutions.



“*The PRME initiative was launched to nurture responsible leaders of the future. Never has this task been more important. Bold leadership and innovative thinking are needed to achieve the Sustainable Development Goals (SDGs).*

Antonio Guterres

Secretary-General (2017 - Present)

United Nations

”

Principles of PRME



Purpose

We advance responsible management education to foster inclusive prosperity in a world of thriving ecosystems.



Values

We place organizational responsibility and accountability to society and the planet at the core of what we do.



Teach

We transform our learning environments by integrating responsible management concepts and practices into our curriculum and pedagogy.



Research

We study people, organizations, institutions, and the state of the world to inspire responsible management and education practice.



Partner

We engage people from business, government, civil society, and academia to advance responsible and accountable management education and practice.



Practice

We adopt responsible and accountable management principles in our own governance and operations.



Share

We share our successes and failures with each other to enable our collective learning and best live our common values and purpose.

The Sustainable Development Goals (SDGs)

In September 2015, all 193 Member States of the United Nations adopted a plan for achieving a better future for all – laying out a path over the next 15 years to end extreme poverty, fight inequality and injustice, and protect our planet. At the heart of Agenda 2030 are 17 Sustainable Development Goals (SDGs) and 169 related targets that address the most important economic, social, environmental and governance challenges of our time. The SDGs clearly define the world we want – applying to all nations and leaving no one behind. Successful implementation of the SDGs will require all players to champion this agenda; the role of higher education is critical to this.





Purpose

We advance responsible management education to foster inclusive prosperity in a world of thriving ecosystems.

Letter of Commitment

TUM School of Management demonstrates its commitment to PRME's Principles through the following letter from senior leadership.

Purpose

PRME SIP Report 2023

LETTER FROM THE DEAN

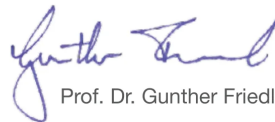
In an era of rapid global business evolution, it is essential for TUM School of Management to embrace principles that foster sustainability, ethical decision-making, and social responsibility. Our commitment to responsible management is not merely a response to current challenges but rather the foundation of our educational philosophy and research.

At TUM School of Management, we recognize the pivotal role that management and technology education play in shaping the entrepreneurs of tomorrow. We design our programs to seamlessly integrate cutting-edge technological advancements with robust management principles, providing students with a unique interdisciplinary approach crucial in today's innovation-driven economy and to supporting societal development goals. Armed with both theoretical knowledge and practical experience, we foster an entrepreneurial mindset that not only encourages creativity, strategic thinking, and resilience but also ensures our students are equipped with the skills to manage and lead in diverse business environments and the entrepreneurial acumen to drive technological innovation and create sustainable ventures.

We take pride in our faculty's dedication to research that directly addresses the UN societal development goals. By effectively bridging the gap between theory and practice, we arm our students and partners with the concrete knowledge and tools required to drive positive change in the business world. Recognizing that responsible management transcends the confines of the classroom, we proactively engage with industry leaders, policymakers, and the community to foster a collaborative environment that promotes ethical management practices.

In conclusion, TUM School of Management is dedicated, as articulated in our mission, to nurturing a culture of responsibility, sustainability, and ethical leadership. We are fully committed to preparing our students to confront the complexities of the modern business environment with unwavering integrity and foresight.

We are proud to share our remarkable progress!



Prof. Dr. Gunther Friedl

Dean



Institutional Mission, Vision, and Strategy

The following outlines TUM School of Management's institutional mission, vision, and strategic approach to responsible management education.

Mission and Vision

TUM School of Management is taking a key role in shaping the university sustainable future strategy.

Relevant Stakeholders

PRME, TUM School of Management Stakeholders

Purpose

Sharing TUM School of Management Vision and Mission

PMRE_Report_2-2

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Values

The TUM School of Management contributes to solutions for the grand societal challenges following specific values, which are embedded in our organization at all levels.

Relevant Stakeholders

PRME, TUM School of Management Stakeholders

Purpose

Embodying our mission and vision

PMRE_Report_5-5

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Code of Conduct and Ethical Standards

In accordance with the school's mission, vision, and strategy, TUM School of Management commits itself to the highest ethical standards of personal and collective behaviour.

Relevant Stakeholders

PRME, TUM School of Management Stakeholders

Purpose

Guiding the TUM community

PMRE_Report_6-6_merged

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Strategy

The TUM School of Management focuses on five SDGs, including SDGs 5, 7, 11, 12, and 13, and their basic principles. While the other SDGs are important, they are not at the core of the school's mission and vision. The prioritization of the SDGs was part of a strategic process to best allocate resources and increase impact.

Relevant Stakeholders

PRME, TUM School of Management Stakeholders

Purpose

Prioritising SDGs to best allocate resources and increase impact.

PMRE_Report_3-3

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Values

We place organizational responsibility and accountability to society and the planet at the core of what we do.

RME Leadership Accountability

At TUM School of Management, accountability for responsible management education is structured as follows:

Formalized Senior Leadership Role

Committed for Responsible Management Education

The TUM School of Management is deeply committed to embedding sustainability into all aspects of its operations, from education to research. As a PRME Signatory Member, the school strives to align its actions with the UN's Sustainable Development Goals (SDGs), ensuring that future leaders are equipped with the values and knowledge necessary to tackle global challenges.

Yes, the PRME Signatory Member has dedicated individuals accountable for Responsible Management Education (RME). The Dean of TUM School of Management plays a central role in ensuring that the PRME principles are integrated into the school's strategic vision, fostering a culture of sustainability and responsible leadership.

Additionally, the position of PRME Manager is held by Prof. Dr. Frank-Martin Belz, a Full Professor at the Chair of Corporate Sustainability. He leads efforts to advance sustainability initiatives and aligns academic activities with the PRME's mission, reinforcing the school's commitment to sustainability and ethical management education.

Organizational Structure for RME

The following organizational entities at TUM School of Management are responsible for RME:

- ❖ RME planning and reporting



Teach

We transform our learning environments by integrating responsible management concepts and practices into our curriculum and pedagogy.



RME Elements in Degree Programs

TUM School of Management integrates responsible management education into its degree programs through 4 different approaches:

Guest Speakers and Showcase Events

Examples of guest speakers and showcase events

Highlight of Guest Speakers invited to different courses, workshops, and events at the TUM School of Management. Each Guest Speaker session is aligned with our Focal SDGs.

Date

October, 2023 - September, 2024


Location

TUM

Speakers

Multiple

Multiple

07_Teach_PMRE_Report_Guest_Speaker_and_Showcase_Events [View also events](#) [Download document](#) 

Professor-Discretionary Course Topics

Examples of topics in courses

We have introduced a new SDG assessment in courses offered at Bachelor and Master levels. This document details the results of our assessment and showcases the extent of focus on sustainability topics in our courses broadly.

Department

TUM School of Management

Learning Object Subject

Multiple subjects

Educational Level

Bachelor and Master

Learning Outcome

Multiple objectives

Interactivity Type

Active participation

Learning Object Description

Each lecturer indicated the level of focus on sustainability within the course offered.

PMRE_Report

[View document](#) [Download document](#)

Examples of topics in courses

This Excel file details all the courses offered at our School with their different focus on sustainability. The Excel also stores information on the specific SDGs covered in each course.

Department

TUM School of Management

Learning Object Subject

Multiple

Educational Level

Bachelor and Master

Learning Outcome

Multiple

Interactivity Type

Active

Learning Object Description

The Excel contain details about the SDGs targeted in each course offered at the TUM School of Management

Teach-1-Topics in various courses at the discretion of the professor (Excel)

[View document](#) [Download document](#)

Course-Level RME Learning Goals

Sustainability Assessment of Agri-Food Supply Chains

Focused on the global challenges of natural resource conservation, ecosystem preservation, climate mitigation, and sustainable food consumption, this seminar is tailored for master students specializing in Sustainable Resource Management, Agrosystem Science, Ecological

Engineering (Life Sciences), and Consumer Sciences (Management). However, addressing these challenges necessitates collaboration among several disciplines, and hence this research seminar also extends to master students with another background. Prerequisite is i) a strong interest in gaining knowledge of the factors and concepts underpinning sustainability assessment within agri-food supply chains and ii) contributing to this interdisciplinary discourse by presenting a scientific study to your fellow students, participating in the group discussion and concisely summarizing the key findings in a written report.

Department

Economics and Policy

Learning Object Subject

Sustainability Assessment of Agri- Food Supply Chains

Educational Level

Master

Learning Outcome

After successfully completing this module, students will be able to articulate the factors and concepts that define, shape, and quantify the sustainability of agri-food supply chains to a multidisciplinary audience.

Interactivity Type

Very interactive

Learning Object Description

In an increasingly globalized world where the demand for natural resources continues to rise, the sustainability of food and agricultural supply chains has emerged as a critical concern, playing a pivotal role in achieving numerous Sustainable Development Goals. By comprehending and assessing the hotspots and drivers that impact the sustainability of agri-food supply chains, collaborative efforts between the scientific community, industry, and policymakers can effectively address the sustainability of agri-food systems, thereby advancing the SDGs. As a future graduate of TUM, you have the opportunity to contribute to this endeavor by: i) gaining foundational knowledge of the factors and concepts within the realm of sustainability assessment of agri-food supply chains ii) developing the ability to communicate this knowledge to a multidisciplinary audience for providing sustainable decision support. Through case studies at global and national levels, this seminar will familiarize you with the knowledge and quantitative methods necessary to gain a holistic understanding of the challenges and opportunities in promoting sustainable agrifood supply chains.

Teach-1-Courses RME in the course-level

learning goals-Cabernard_Sust Assessment
of Agri Food Supply Chain

[View document](#)

[Download document](#)

Narratives for Impact

The module offers students the chance to select different seminars, such as the Impact for Future and Extreme Environments: Exploring Alternative Worlds in the Alps using Speculative Methods.

Department

Innovation and Entrepreneurship

Learning Object Subject

Impact for Future and Extreme Environments: Exploring alternative worlds in the Alps using speculative methods.

Educational Level

Master's level

Learning Outcome

Define, explain, discuss critically and apply key theories related to impact, design, and qualitative research methods.

Interactivity Type

Very interactive

Learning Object Description

This seminar offers a shift in thinking, methodology, and approach to design and organisation. Students have the opportunity to learn how to make a positive impact on our challenged world through field research, hands-on experimentation, creative artistic exploration, and consideration of local site conditions and culture.

Module Description Alexy_Narratives for
Impact

[View document](#)

[Download document](#)

Energy Markets

In continuation of the lecture "Energy Markets I", students gain an overview of the more fundamental concepts of energy markets (eg. renewable energy promotion schemes, and energy trading in wholesale markets). Thereto, the course covers the topics of renewable

electricity production, introducing energy trading, a case study of the fracking industry, and energy grids/networks. Transmission grid management and expansion are considered as a significant topic of energy grids.

Department

Economics and Policy

Learning Object Subject

Energy Markets

Educational Level

Master

Learning Outcome

Upon successful completion of this module, students are able to (1) name and (2) summarize the concepts and economic characteristics of all relevant fields of energy markets.

Interactivity Type

Very interactive

Learning Object Description

In continuation of the lecture "Energy Markets I", students gain an overview of the more fundamental concepts of energy markets (eg. renewable energy promotion schemes, energy trading in wholesale markets). Thereto, the course covers the topics of renewable electricity production, introducing energy trading, a case study of the fracking industry and energy grids/networks. Transmission grid management and expansion are considered as the significant topic of energy grids.

Teach-1-Courses RME in the course-level
learning goals-Schwenen_Energy Markets

[View document](#)  [Download document](#) 

Sustainable Entrepreneurship-Theoretical Foundations

In this seminar, the participants discuss recent research on sustainable entrepreneurship, which relates to recognizing, evaluating, and exploiting entrepreneurial opportunities to achieve the United Nations Sustainable Development Goals 2030 respectively.

Department

Innovation and Entrepreneurship

Learning Object Subject

Sustainable Entrepreneurship-Theoretical Foundations

Educational Level

Master's level

Learning Outcome

Students acquire a profound knowledge of sustainable entrepreneurship research and gain the skills of scientific working and writing.

Interactivity Type

Very interactive

Learning Object Description

In this seminar, we will provide and discuss recent research on sustainable entrepreneurship, which relates to recognizing, evaluating, and exploiting entrepreneurial opportunities to achieve the United Nations Sustainable Development Goals 2030 respectively.

THEORETICAL FOUNDATIONS-Syllabus

View document  Download document 

Principled Entrepreneurial Decisions

This course challenges the next generation of leaders and entrepreneurs to think critically about how their personal values and principles inform the difficult decisions they will have to make as they grow their business.

Department

Innovation and Entrepreneurship

Learning Object Subject

Principled Entrepreneurial Decisions

Educational Level

Master

Learning Outcome

Students are able to brave difficult situations in the startup context

Interactivity Type

Very interactive

Learning Object Description


The course will first equip students with frameworks to crystalize their own values and principles. Students will learn to apply their own core values. A selection of readings and case studies will provide students with tangible examples of the challenges other entrepreneurs have faced. Each class will be highly immersive, featuring conversations with entrepreneurial

guest speakers and break-out sessions. Through conversations with case protagonists and each other, students will leave the class more prepared to navigate the ethical dilemmas that they may encounter during their professional lives.

Teach-1-Courses RME in the course-level

learning goals-Holger_Principled

Entrepreneurial Decision

View document  Download document 

Program-Level RME Integration

New specialization "Sustainable Energies" under the technology focus of the Master in Management and Technology.

The launch of the new specialization in Sustainable Energies aligns with the TUM School of Management's focus on SDG 7, which calls for "affordable, reliable, sustainable and modern energy for all" by 2030. In 2023, the Tracking SDG7 Report estimated that 660 million people would still lack access in 2030, most of them in Sub-Saharan Africa.

Educating management students on renewable energy is essential to accelerate a fair and sustainable energy transition and achievement of SDG 7. This new specialization is the result of the TUM SEED Center's efforts in research and teaching around renewable energies, entrepreneurship, and development. The SEED supports the academic exchange of Bachelor's, Master's, and Ph.D. students among 9 partner universities, adding an important practical side to the new specialization.

New Specialization in Sustainable Energies

In 2023 the TUM School of Management launched the new specialization "Sustainable Energies" under the technology focus of the Master in Management and Technology.

Department

School of Management

Learning Object Subject

New Specialization in Sustainable Energies

Educational Level

Master's level

Learning Outcome

Sustainable Energies

Interactivity Type

Very interactive


Learning Object Description

In 2023 the TUM School of Management launched the new specialization "Sustainable Energies" under the technology focus of the Master in Management and Technology.

MMT-TUM-SoM-

Overview_specialization_Sustainable_Energies_

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Download document 



Research

We study people, organizations, institutions, and the state of the world to inspire responsible management and education practice.

RME Elements in Research

TUM School of Management incorporates responsible management education into its research endeavors through 3 different methods:

PhD-Level RME Courses

Research with Impact: Entrepreneurship for Sustainable Development

The doctoral seminar on Entrepreneurship for Sustainable Development was an enriching and interactive course that provided comprehensive insights and discussions on research with impact with and from three scholars and a group of international participants, adapted seamlessly to online sessions.

The doctoral seminar on Entrepreneurship for Sustainable Development was a truly enriching course. Being the first doctoral seminar I participated in during my doctorate, it allowed me to gain comprehensive insights into the literature on entrepreneurship for sustainable development. We discussed different aspects and elements of sustainable entrepreneurship, having at their core value creation for society. Additionally, academic rigor and best practices on how to achieve it were equally discussed. The course offered a kaleidoscope of insights and impressions with three scholars teaching and a very international group of doctoral students comprising doctoral students from TUM and the TUM SEED Center partner universities. The interactive nature made everyone contribute, which was truly enriching and helpful for my future studies. Due to bad weather conditions, the majority of the sessions had to take place online. Due to the participants' and lecturers' spontaneity, this was not a problem and served as a testimonial for rapid adaptation. Nonetheless, I believe the course quality would have been enriched if it had been in person.

Katharina Eichinger

PhD Candidate at TUM School of Management

Entrepreneurship for Sustainable Development

Syllabus of the PhD course "Entrepreneurship for Sustainable Development" offered at the TUM School of Management in the Winter Semester 2023.

Department

Department of Innovation and Entrepreneurship

Learning Object Subject

Entrepreneurship for Sustainable Development

Educational Level

PhD course

Learning Outcome

Get an in-depth overview of the state of the art in the vibrant field of entrepreneurship for sustainable development. Join an ongoing conversation in the field of entrepreneurship for sustainable development by formulating, presenting, and discussing a research paper proposal.

Interactivity Type

Interactive course: Students are required to develop a rigorous research proposal and present their research ideas in 10 min presentation to get feedback from the instructors of the course.

Learning Object Description

Syllabus of the PhD course "Entrepreneurship for Sustainable Development" offered at the TUM School of Management in the Winter Semester 2023.

Supporting Links

ESD_Doctoral_Seminar_2023-10-03

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Current Research Trends in Sustainable Finance

Syllabus of the PhD course "Current Research Trends in Sustainable Finance" offered at the TUM School of Management, TUM Campus Heilbronn, in the Winter Semester 2023.

Department

Department of Finance and Accounting, Associate Professorship of Finance

Learning Object Subject

Sustainable Finance: current research trends

Educational Level

PhD course

Learning Outcome

The learning outcome is to equip participants with information on the latest divergences of ESG score providers and measurement challenges. Provides an overview of the latest research in Sustainable Finance including but not limited to trends, investor preferences and risk and performance measures.

Interactivity Type

Very interactive: students discuss research paper and get feedback on potential research ideas in the realm of sustainable finance

Learning Object Description

PhD course on Sustainable Finance including ESG, green finance and impact investing

[Supporting Links](#)

tum-school-of-management-syllabus-phd-
current-research-trends-in-sustainable-
finance

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Research Awards Program

Towards a nuanced understanding of societal demands for healthy and sustainable nutrition

TUM School of Management [Chair of Marketing and Consumer Research](#) pilots a large-scale project called [DOMINO](#) to conduct research on consumers' demands for sustainable and healthier food.

In March 2023, the [Chair of Marketing and Consumer Research](#) of the TUM School of Management received funding for the [DOMINO project](#). This project is underpinned by responsible research objectives and addresses questions about the changing societal demands for healthier and more sustainable nutrition. The project spans a period of 5 years (2023-2028) and gathers 19 partners from 10 countries in a collaboration between top universities and research centers, as well as expert non-profit organizations and the private sector.

The [Chair of Marketing and Consumer Research](#) will carry out a market and innovation analysis on fermented food (FF) products, identifying drivers of demand and supply of FF. FF producers will be identified and subjected to qualitative and quantitative surveys. A pan-EU survey will identify drivers of persistent innovative activities. In addition, the chair will carry out a multi-country consumer survey on the perception and acceptance of FF and will provide input to the FF prototypes accompanied by sensory experiments.

- Funding: European Union's Horizon Europe research and innovation program under grant agreement No 101060218
- Funding period: March 2023 – February 2028
- Contact persons: Prof. Dr. Jutta Roosen, René Geiß, M.A.

Further information on the research project can be found here: <https://www.domino-euproject.eu/>

Reimagining Sustainable Food and Nutrition in Africa through

TUM School of Management [Chair of Agricultural Production and Resource Economics](#) co-pilots a large-scale transnational research project called [INCiTIS-FOOD](#) to conduct research at the intersection of circularity, sustainable food, and nutrition.

In January 2023, the [Chair of Agricultural Production and Resource Economics](#) received research funding for the [INCiTIS-FOOD project](#). This initiative, guided by responsible research objectives, aims to enhance food and nutrition security in African urban regions while minimizing the environmental impact of food systems and promoting circularity. INCiTIS-FOOD strives to empower communities by opening opportunities in agri-food supply and value chains and advancing environmental justice through transformative food policies.

The project employs an interdisciplinary research approach, incorporating best-fit technologies, stakeholder-led actions, capacity-building efforts, collaborative engagement between researchers, practitioners, and policymakers, and a strong Europe-Africa partnership. [INCiTIS-FOOD](#) will co-create circular agri-food technologies, practices, and business models to foster an inclusive food system in African cities and towns. These technologies include soilless crop farming (hydroponics), recirculating aquaculture systems (RAS), and insect farming, chosen for their suitability in urban African contexts where access to land, water, and resources is limited.

The project follows a multi-actor approach, involving eight Living Labs (LLs) across six countries in three African regions: East Africa (Kenya), West Africa (Ghana, Nigeria, Sierra Leone), and Central Africa (Cameroon, Gabon). Once the agri-food technologies achieve a high level of technological, societal, and business readiness, they will be validated during a demonstration phase, targeting 800-1000+ start-ups and small and medium-sized enterprises (SMEs) through open calls for a Cascade Fund. The beneficiaries of this fund will be surveyed to generate empirical evidence on the co-benefits of the [INCiTIS-FOOD project](#)'s technologies and business models.

Duration: 1 January 2023 – 31 December 2026

[INCiTIS-FOOD](#) is funded by the Horizon Europe Framework Programme.

Required Research Reporting

Faculty members must report their responsibility-related research publications regularly

Via our internal digital platform, [mediaTUM](#), our faculty are required to report their publications regularly. However, we have no formal requirement to report on specific responsibility-related research publications. The focus on responsibility topics is at the discretion of the faculty. Our faculty still engage in timely and highly important sustainability and responsibility issues.

In 2023, several responsibility-related research publications were driven by our faculty at the TUM School of Management. For instance, Mittermaier from our Entrepreneurship Research Institute and colleagues (2023) studied the [pro-social venturing that unfolds in response to humanitarian crises](#) in a recent paper published in Entrepreneurship Theory and Practice. Ait Sidhoum from the Chair of Agricultural Production and Resource Economics and colleagues (2023) explore whether [agri-environment measures help improve the environment and economic efficiency](#), providing evidence from Bavarian dairy farms. Ikonnikova from the Chair of Resource Economics, Center of Energy Markets, and colleagues (2023) provided evidence [supporting the rationale of a global hydrogen trade based on renewable energy](#), carbon policies, and market distance. This research has important practical implications because it reveals which countries are likely to import or export hydrogen based on cost differences.



Partner

We engage people from business, government, civil society, and academia to advance responsible and accountable management education and practice.

Partnership Approaches for RME

TUM School of Management partners with external stakeholders to advance responsible management education through 3 different approaches:

External Community Dialogue

Dialoguing through the Sustainable Transitions Exchange Program (STEP)

The TUM School of Management has cultivated a dialogue with several partner universities to offer our students the possibility to live an international experience. These initiatives allow our students to expand their professional qualifications by taking classes at partner universities and live an incredible cultural experience. TUM School of Management currently offers six different Joint International Programs, of which the Sustainable Transitions Exchange Program (STEP) between the University of Texas and TUM represents a flagship collaboration. TUM School of Management Master's students will get the opportunity to spend one semester at the University of Texas (UT) at Austin and take courses on climatology, engineering, resources economics, and more, joining the [Energy and Earth Resources Graduate Program](#). Working on their Master's Thesis with the main supervisor at TUM [Center for Energy Markets](#), students will get a unique opportunity to enrich their work and expertise by collaborating with UT researchers.

In 2023 TUM School of Management engaged in a partnership with the University of Texas called the Sustainable Transitions Exchange Program.

Collaborative Problem Solving

Partnering with SAP to find accounting solutions supporting decarbonization

At the TUM School of Management, our responsible management education is driven by focal SDGs, among them SDG 13 Climate Action. In this sense, we strive to strategize our corporate partnerships in line with our focal SDGs. A flagship problem-solving partnership is our work with SAP to find solutions for the adaptation of accounting systems that support the decarbonization of the economy. This partnership research project is motivated by the fact that international environmental regulations will affect every sector and every enterprise – of all sizes and across the globe. Therefore, we take the pioneering role to find solutions that benefit

all businesses worldwide, to help them meet investors' expectations, but also the expectations of manufacturers and consumers who are increasingly holding suppliers accountable and demanding reductions in carbon emissions, which comes with significant investment needs.

Through [our university-level partnership with SAP](#), TUM School of Management's aim is to develop solutions that are impactful taking into consideration carbon accounting practices that are based on document principles and green journals. The double focus on Financial Accounting and Carbon Accounting will be able to provide more insightful answers to critical managerial questions in every business. Questions such as:

1. **Which business area**, cost/profit center, product group, sales organization, distribution channel (...) **emits the most greenhouse gases** per € revenue you earn there?
2. **What are the main drivers** for emissions in the company?
3. **What is the financial impact** of choosing different suppliers or investing in "greener" machines or processes?
4. **What would be the financial impact** of a carbon tax?
5. **Which cost centers, and profit centers exceed** their carbon budgets?

Lastly, the double focus on Financial Accounting and Carbon Accounting adds carbon emission quantities to financial accounting transactions to elevate information quality. On the one hand, it enriches financial statements with respective carbon information and enables standardized reporting for emission information. On the other hand, it simulates the financial impact of carbon taxes, prices of emission certificates, and emission reduction measures, steers businesses toward a decarbonized economy, and fosters managerial decision-making by analyzing environmental and financial performance in a connected manner

Collaborative Change Action

SEED PhD Candidate's statement

The SEED Center provides a supportive platform for researchers and academicians in innovation and active academic exchange through the intersection of sustainable energy and sustainable entrepreneurship.

Relevant Stakeholders

TUM Members and SEED Partners

Purpose

Enhancing Academic Exchange

09_Teach_PMRE_Report_Testimonial

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Acting Together to Build Living Labs in the Global South

The [TUM SEED Center](#) is funded by the DAAD with funds from the Federal Ministry for Economic Cooperation and Development and established partnerships with eight universities from the Global South, bringing people from different cultures and backgrounds together. The Center is a melting pot for students, scholars, and researchers to engage in research and solution-driven studies that contribute to the Sustainable Development Goals (SDGs), particularly SDG 7 and SDG 13. The SEED Center focuses on three areas of research: sustainable entrepreneurship, sustainable energies (mini-grids), and e-mobility in the Global South. Research with impact is at the core of SEED Center's mission, focused on a resolute commitment to creating a meaningful and lasting difference through academic exchange. The Center has built 8 Living Labs to support the energy transition in the Global South, especially in rural communities still lacking access to electricity. To do so, the Center leveraged local expertise by hiring local people to facilitate community engagement and training researchers from the Global South to enrich academic exchange. In 2023, the [Sueddeutsche Zeitung](#) featured the TUM SEED Center as one of five sustainability flagship TUM.

The TUM SEED Center is born to boost academic exchange at the intersection of sustainable energies, entrepreneurship, and development (SEED).



Practice

We adopt responsible and accountable management principles in our own governance and operations.

RME Policy Implementation

TUM School of Management has implemented 1 policy to support its commitment to responsible management education:

Employee equity, diversity, inclusion

TUM Diversity & Gender Equality Plan

Scope

This Diversity & Gender Equality Plan represents TUM's continued commitment to the principle of an open-minded university that attracts and supports the best talents in all their diversity. These measures are intended to create the best possible conditions for each person to develop their individual potential.

Enforcement Date

May, 2023

Number Of Pages

15

Publisher

Technical University of Munich

Media

<https://www.zv.tum.de/en/diversity/staff-unit-diversity-equal-opportunities/diversity-gender-equality-plan/>

1639267

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Institutional Aspiration Targets

TUM School of Management has set aspiration targets in 4 different areas:

- ❖ GHG Emission Targets
- ❖ Building and Real Estate Targets
- ❖ Waste Management
- ❖ Employee EDI Targets



Share

We share our successes and failures with each other to enable our collective learning and best live our common values and purpose.

Performance Disclosure and Transparency

Regarding transparency in RME performance disclosure, TUM School of Management operates with the following approach:

Full Transparency Disclosure

Website of disclosure of performance

The TUM School of Management's official website of sustainability reporting and responsible management education progress.

Author

TUM School of Management

Published Date

July, 2024

Degree Of Recognition

International

Media Name

TUM School of Management website

Media Type

Official Website

Duration

web page

[Supporting Links](#)

Social Media disclosure of performance

The TUM School of Management Dean communicated publicly about the PRME Report 2021-2022.

Author

Gunther Friedl

Published Date

May, 2023

Degree Of Recognition

International

Media Name

LinkedIn

Media Type

Social media post

Duration

1 page

[Supporting Links](#)

Road to sustainability

The TUM School of Management published a story about PRME Report 2021-2022 on the school website.

Author

TUM School of Management

Published Date

October, 2023

Degree Of Recognition

International

Media Name

TUM School of Management website

Media Type

Website

Duration

1 page

[Supporting Links](#)

SIGNATORY

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