

PRME Report 2021-2023

# PRME Principles for Responsible Management Education



EFMD

**PRME**

This is our **Sharing Information on Progress (SIP)**  
Report on the Implementation of the Principles for  
Responsible Management Education



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Mälardalen University  
School of Business, Society and Engineering

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## Letter from the Dean and the coordinator for PRME

We are glad to present MDU-PRME report 2021-2023. A lot has been going on at MDU in the areas of sustainable and responsible education and research since the last PRME report.

MDU new vision – of becoming a progressive, sustainable and collaborative university - provides a guiding framework for the coming years and a lot of work has already been put in place in order to give that mission a shape.

PRME has now a clearer role to play in that framework as a driver for action and as a framework in which each single initiative connects to a wider commitment.

We have now a sustainable development policy framework (2023-2025), we have set goals to reduce the university footprint and we have initiated an AACSB accreditation.

Actions have been taken and will continue in the coming years in order to offer programs and courses that meet the challenges of sustainable futures. Many MDU initiatives - seminars, conferences, lectures, publications - already show our competence and commitment in the field of responsible management education and research.

Much more will happen in the coming years. Continue to follow us via our PRME report and through our website!

Thomas Wahl, Dean of MDU-EST

Silvia Bruzzone, coordinator for PRME and Associate Professor in industrial economics and organization

## 1. What is PRME?

PRME – Principles of Responsible Management Education – is a United Nations initiative launched in 2007. It represents the main worldwide initiative on responsible and sustainable management education, involving 800 universities around the world.

It is a platform “to raise the profile of sustainability in schools around the world, and to equip today’s business students with the understanding and ability to deliver change tomorrow” (PRME website).

How does it work?

The PRME website states as follows: “Working through Six Principles, 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”.

This commitment on behalf of the University consists in putting in place six main principles:

- 1/ Purpose: We will develop the capabilities of students to be future generators of sustainable values for business and society at large and to work for an inclusive and sustainable global economy.
- 2/ Values: We will incorporate into our academic activities and curricula the values of global responsibility as portrayed in international initiatives such as the United Nations Global Compact<sup>1</sup>.
- 3/ Method: We will create educational frameworks, materials, processes and environments that enable effective learning experiences for responsible leadership.
- 4/ Research: We will engage in conceptual and empirical research that advances our understanding about the role, dynamics and impact of corporations in the creation of sustainable social, environmental and economic value.
- 5/ Partnership: We will interact with managers of business corporations to extend our knowledge of their challenge in meeting social and environmental responsibilities and to explore jointly effective approaches to meeting these challenges.
- 6/ Dialogue: We will facilitate and support dialogue and debate among educators, students, business, government, consumers, media, civil society organisations and other interested groups and stakeholders on critical issues related to global social responsibility and sustainability.



## 2. An introduction to MDU

Around 17 000 students study courses and programmes in Design and Communication, Economics, Healthcare, Education, Engineering, Chamber Music and Opera.

At MDU research is carried out in many disciplinary domains to solve problems in society, whereby research in Future Energy and Embedded Systems is internationally prominent. MDU enjoys a close collaboration with the private and public sectors, which contributes towards the better health of people and a more sustainable planet. The University is located on both sides of Lake Mälaren, with campuses in Eskilstuna and Västerås.

MDU is one of Sweden's foremost HEIs in terms of collaboration, which is a natural part of the University's DNA. The University was established in 1977 as a result of collaboration with industry. This approach has been developed over the years, and today the University has several strategic collaboration agreements and projects in place with both the private and public sectors. Collaboration is an integral part of our education and research at MDU.

Our strategic collaboration partners: ABB, Hitachi Energy, Alstom, Eskilstuna Energi & Miljö, Eskilstuna Municipality, Mälarenergi, VafabMiljö, Volvo Construction Equipment, Sparbanken Rekarne and Västerås City.

MDU operates the following centres of expertise and collaboration platforms: Automation Region, Idélab, Mälardalen Industry Technology Center (MITC), Samhällskontraktet, Sörmlandskontraktet, Mälardalens teaching and learning skills centre (MKL), the Growth Engine and Robotdalen.

### 3. Education

- Students: 17 000
- Study programs: 52 at Bachelor's level, and 27 at Master's level
- Courses: 1 200
- Teaching staff: 523
- Employes: 1074

### Research

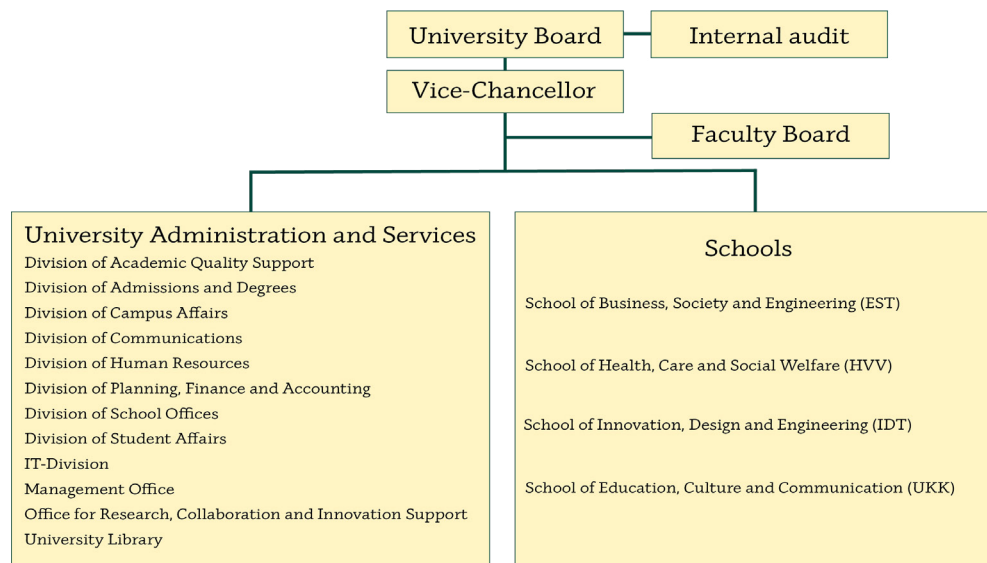
At MDU research is conducted in six research specialisations that promote knowledge and development, for Swedish industry and peoples' welfare, but also for solving the many challenges facing society:

- Future Energy
- Healthcare and Welfare
- Embedded Systems
- Industrial Engineering and Organization
- Innovation and Product Realisation
- Educational Sciences and Mathematics

The research in Future Energy and Embedded Systems is internationally prominent, and research in Embedded Systems is ranked internationally among the best in the world.

- Doctoral students: 221
- Professors: 60
- International agreements: 140 across the globe

### How MDU is organized.



### Martin Hellström is MDU's new Vice-Chancellor. Welcome!



From 2022, MDU has a new Vice-Chancellor. Martin Hellström is primarily a Professor of German with a specialisation in general literary studies at the University of Gothenburg. During his academic career, he has held several leadership roles, such as head of department and pro-dean at the University of Gothenburg and Pro-Vice-Chancellor at the University of Borås. Since 2017, he has been Vice-Chancellor at Högskolan Väst (University West).

## MDU's Vision goals and strategy

MDU's new vision was introduced on 1 January 2021. It has been developed in discussion with employees, students and collaborative partners and looks ahead to 2030. The vision is based on three main components:

### We are a progressive University

In a changing world, MDU offers flexible, innovative and high-quality research, courses and study programmes with technical excellence that encourage curiosity, innovation capacity, critical thinking and lifelong learning among students.

### We create value through collaboration

The co-producing research and education environments are engines for knowledge development and innovation. Thanks to a unique collaboration between academia, civil society, the private and public sector, value is generated in a global society.

### We shape a sustainable future

Based on a disciplinary foundation, with an inclusive approach and long-term viewpoint, MDU's research and education promotes social, ecological and economic sustainability.

## MDU's Commitments to Ethics, Responsibility and Sustainability (ERS)



In 1999, Mälardalen University, as the first university in the world, was environmentally certified according to the **international ISO14001 standard**. Since then Mälardalen University's commitment to sustainability has continued to grow.

In 2019, Mälardalen University signed the **Climate Framework** along with 35 other Swedish universities.

The Climate Framework has been elaborated at the initiative of Higher Education Institutions (HEIs) with the ambition of clearly contributing to climate change adaptation in line with society's national and international commitments. By 2030, all the HEI signatories of the Climate Framework will have implemented measures in order to be in line with the Paris Agreement's 1.5°C target.

By signing the Climate Framework, Mälardalen University undertakes to do the following: 1) Through education, research and external engagement help society as a whole to achieve set targets to reduce Mälardalen University's own climate impact in line with society's commitment as expressed in national and international agreements. 2) Based on Mälardalen University's HEI-specific conditions, set up far-reaching targets for climate-related work and also allocate resources to achieve these targets. 3) Conduct follow ups to clearly communicate Mälardalen University's climate-related work in order to inspire and spread knowledge to other organisations and members of society.

As part of the university's heightened ambitions in the area of sustainability, decisions were made in the spring 2023 on Policy and goals for sustainable development and Policy and goals for the environment and reduced climate footprint. The policy for sustainable development sets the framework for the university's continued work to contribute to reaching the goals set in Agenda 2030 through education and research and by reducing its own climate footprint. The policy for the environment and reduced climate footprint clarifies how universities must work with the ecological dimension of sustainable development and includes goals for, among other things, travel, real estate, procurement and biodiversity.

## MDU Policy and goals for sustainable development 2023-2025

The university will contribute to reaching the goals set for sustainable development in Agenda 2030 through education and research and by reducing its own climate footprint.

### **Education:**

The university will work systematically to integrate sustainability issues in the education programs in order to respond to the global goals in Agenda 2030. Students who graduate from the university must have the skills, ability and agency to deal with complexity and dilemmas that enable them to contribute to a sustainable future.

### **Goal**

- Ten education programs will have carried out sustainability integration in a pilot round by 2025 with the aim of making sustainable development an integral part of academic learning.
- The university will work systematically to support student-driven initiatives and proposals for activities around sustainable development so that these can be implemented.
- The university's involvement in collaboration forums around sustainable development with municipalities, regions, civil society and private industries must increase.

### **Research**

The university shall support research on sustainable development and encourage interdisciplinary research collaboration on climate impact.

### **Goal**

- With the help of collaboration platforms, cross-cutting areas and profile areas, the university will increase the number of research projects that are expected to contribute to sustainable development.
- The university is establishing a research school with a focus on societal challenges.
- Education at advanced level and doctoral level shall give students and doctoral students skills in research communication with a focus on sustainable development.



## MDU Policy and goals for the environment and for a reduced climate footprint 2023–2025

In order to indicate the direction of the work with ecological sustainability at the university and to reduce the university's own climate footprint, the Vice-chancellor has decided on the present Policy and goals for the environment and for a reduced climate footprint 2023–2025.

### Priority targets for the environment and a reduced climate footprint:

#### 1. Business travel

The university will minimize the environmental and climate impact from business travel and contribute to a healthy and sustainable environment by, where possible, having meetings digitally, traveling municipally and using modes of transport with low emissions.

The institution will reduce its emissions from business trips by a total of five per cent per annual workforce and year, calculated from 2019–2025.

#### 2. Property portfolio, new and rebuilding:

By 2025, the university will:

- have introduced the so-called four-step principle for new and rebuilding
- reuse building materials in new and remodeling projects
- increase the use of local services.

#### 3. Energy use

By 2025, the university will:

- have established collaboration agreement for sustainable premises with property owners
- adapt heating, cooling and ventilation based on usage patterns in the premises
- introduce energy-saving routines
- have switched to LED lighting in the majority of light fittings.

#### 4. Commuting trips, trips to and from work

By 2025, the university will:

- increase the number of bicycle racks under roof compared to 2022
- follow up on how employees and students commute to the university and promote climate-smart travel (e.g. via bicycle, foot, bus, train, green car, electric car, pool car).

#### 5. Food and serving

The university will

- increase the proportion of purchases of organic, locally produced and climate-smart food in catering and in the university's restaurants, as well as
- phase out single-use plastic items.

#### 6. Waste management

By 2025, the university will:

- have reduced waste from construction and demolition through recycling
- reuse furniture or use circular business models where furniture is refurbished, repaired and sold.

#### 7. Purchase and procurement of goods etc

By 2025, the university will:

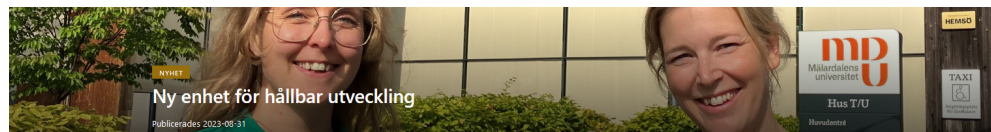
- have increased plantings and green areas as well as biological diversity on campus
- promote well-being, health, social interaction and learning through the integration of cultural ecosystem services in the development of campus outdoor environments.

## A new unit for sustainable development

In line with our vision, to be a progressive and collaborative university where we together shape a sustainable future, the campus section has been strengthened with a new unit for sustainable development.

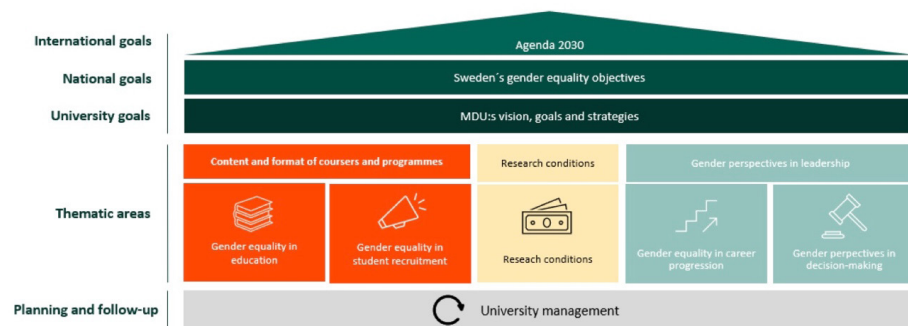
The unit is responsible for coordinating and running the university's sustainability work together with schools, sections and partners. As part of the work, the unit will be responsible for MDU's environmental management system according to ISO14001, which is a quality assurance of the university's environmental work.

The unit consists of two sustainability strategists - Malin Johansson and Elin Sundberg. Malin is unit manager at the new unit. She has most recently worked at the Swedish Environmental Protection Agency as a project manager for government assignments. Elin comes most recently from the real estate company Corem, where she worked as a project manager in the company's sustainability unit.



## Gender equality at MDU

In 2017 Mälardalen University created a Plan for gender mainstreaming (2017/1308) and it has been revised for 2023-2025 (2022/1568).



The plan states how we are to contribute to achieving the goal and how we work to integrate gender equality issues into our daily operations.

To promote gender mainstreaming, we have identified three focus areas:

### The content and form of courses and study programmes

- Men and women must be able to apply to MDU on equal terms and we work to counteract gender stereotyped beliefs about our education.
- All students who graduate from MDU must be able to work for gender equality in their future professional lives.

### Research conditions

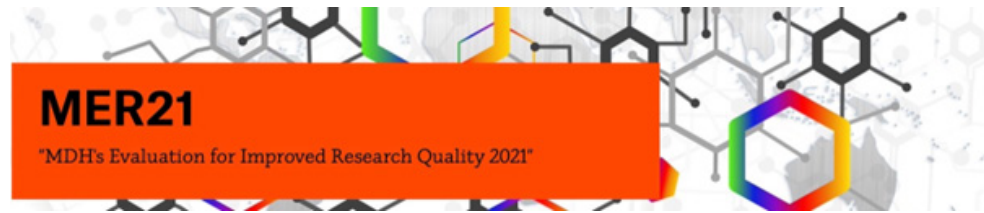
- Men and women must be able to conduct research and apply for research funding on equal terms.

### Gender balance in leadership

- Decisions made by the University must take gender equality into account
- Recruitment and career progression opportunities must take place on equal terms for men and women.

Please find the link to MDU Gender Equality Plan here: <https://www.mdu.se/download/18.a7a0b0f18529f20c625ab6/1671607646323/Gender%20equality%20plan%20Mälardalens%20University%202023-2025.pdf>

## MER21



During 2021 an external research evaluation of all research domains at Mälardalen University was carried out. National and international expert panels helped us in these efforts and immersed themselves in various ways in the University's research domains. The goal of the evaluation was to identify the strengths in our research, to help us developing our various research environments and to further improve the quality of Mälardalen University's research.

The national and international evaluators highlight three success factors for Mälardalen University and for our research:

- The most successful research specialisations have well-developed international networks and there is a high degree of recruitment of professors and doctoral students from different countries.
- Mälardalen University is very capable when it comes to collaboration with the surrounding society, with companies and organisations. For example, the panel experts highlight the University's long-term collaborative relationships, which are built on mutual trust, as a strength.
- Our ability to cooperate between the various research specialisations at Mälardalen University, our welcoming and open atmosphere - and our flexible organisation.

"Mälardalen University has had a remarkable development. After constant growth since it started slightly more than 40 years ago, the University currently has more than 1 000 employees, nearly 20000 students and works with hundreds of external partners. It is obvious that the University's focus on research and education has been of great importance, not least for the regions of Västmanland and Södermanland with their private and public sectors," says Bertil Svensson, Chair of the Integrated Systems Panel.

"The University has supported the structural transformation that has taken place among the companies in the region, where they have progressed from a traditional manufacturing industry to applying and developing world-leading technology. Of utmost importance is of course research development at the University. Research is the foundation on which education is based. Excellence in research helps attract the best academics to apply, teach and conduct research at the University and collaborate with business and academic partners regionally, nationally and internationally," according to Bertil Svensson.

More on MER21 <https://www.mdu.se/en/malardalen-university/research/mer21#About>

### 3. Presentation of EST and DBS

The School of Business, Society and Engineering (EST) is an interdisciplinary unit with education and research, and covers a broad range extending from political science, economics, management and business to engineering. The school was established in 2008.

The PRME report particularly concerns the activities of the Division of Business and Society (DBS) which includes Marketing and Strategy, Accounting, Organization and Management and Economics.

#### 3.1 Education

##### PRME at DBS

At DBS, PRME involves the following programmes:

- Bachelor's Programme in Business Administration (Ekonomiprogrammet: mainly taught in Swedish)
- Bachelor's Programme in International Business Management (taught in English)
- Bachelor's Programme in International Marketing (Internationella marknadsföringsprogrammet: taught in Swedish)
- Master's Programme in Business Administration (Magisterprogrammet i företags ekonomi: mainly taught in Swedish)
- Master's Programme in International Marketing (taught in English)
- Civil Engineering Programme in Industrial Management (INDEK: taught in Swedish and English)

##### **ERS in DBS courses: state of the art**

In line with MDU mission, which states a real focus on sustainable futures, DBS has been increasing its efforts for the integration of ERS in its educational programs. At the same time other initiatives for more consistent approaches are also coming from the management level (through for instance the ongoing work on AACSB accreditation, see below).

A systematic mapping of what and how ERS is taught in our courses has been conducted and shows that ERS is already present in many courses and in a variety of ways (seminars, lectures, external guests, dedicated courses). This mapping is considered a major step towards the development of a consistent and high-quality education rooted in ethics, responsibility and sustainability.

Beyond that, ongoing discussions let emerge crucial issues which will guide the work of DBS towards ERS in education:

- how to balance between social, economic and environmental sustainability
- need to balance between theories on sustainability and practical application of the concepts.
- should ERS be better integrated in compulsory courses or through ad hoc courses?
- sustainability should become an issue in the program and courses evaluation as well as part of courses examination.
- need to assess the knowledge students have on ESR from previous studies in order to build up from there during second cycle education.
- how to develop skills for teachers? Self-learning? Learning from other colleagues with knowledge on sustainability and sustainability learning?

**NEW!** Master's programme in Global Strategy and Management with a focus on responsible and sustainable management (from autumn 2024!)

"The two-year Master's programme in Global Strategy and Management offers advanced-level education in Business Administration. The programme's vantage point is contemporary challenges and developmental issues relating to globalisation, digitalisation, and sustainable development, in the context of business and management studies. This programme is ideal if you wish to take on a responsible leadership role in your career. During the programme, you will learn to analyse complex problems and opportunities. You be taught how to use these analytical skills in your forthcoming career, to make bold decisions on new ideas and directions that can support a sustainable future."

## Towards AACSB accreditation



MDU management council has started the process for an AACSB Accreditation. The decision to go through this rigorous and demanding process is motivated by the university's will to show its commitment to excellence in terms of teaching, research, curriculum development, and learner success. AACSB is primarily one way for MDU to move forward and give shape to its mission and to steer the business education towards sustainable and responsible futures. A strategic framework has therefore been proposed to go in the direction of ensuring that we live up to the mission. This strategic framework is based on the key competences for higher education and sustainable development that UNESCO, PRME, and Swedish higher education institutions have identified.

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### **3 new Professors hired to work on our mission.**

In 2023, Mälardalen University has gone through the process of hiring three Professors - one in Political Science, one in Industrial Economics and Organisation, and one in Economics – who will contribute to achieve MDU's vision of being a progressive and collaborative University, and where we can shape a sustainable future.

## Sustainability Days

Sustainability Days 2021, 9-10 November



In 2021 MDU arranged the first edition of Sustainability Days cross-schools. Two days where activism, the arts and academia met.



### Keynote speaker

**John Palmesino**

Territorial Agency, London

- Climate peace

The irreversible impact of humans on the Earth has brought scholars to identify a geological era - the Anthropocene - which is characterized by the extermination of ecosystems and by spaces in deep and rapid transformation. John Palmesino from Territorial Agency will show us, through his work at the crossroad of art and science, the reality of the impact the humans on our planet. But he will also challenge our way of viewing the world as a political entity and address the need for new negotiations and diplomatic encounters. That is what he calls an "architecture of peace".

**John Palmesino** is an architect and urbanists. Together with Ann-Sofi Rönnskog he has established Territorial Agency, an independent organisation that combines architecture, research and advocacy to address the complex transformations of the Anthropocene epoch. They have been awarded the Grand prize of the European Commission honouring Innovation in Technology, Industry and Society stimulated by the Arts. Recent projects include Oceans in Transformation, in collaboration with TBA21-Academy, Sensible Zone, the Museum of Oil with Greenpeace, Anthropocene Observatory with HKW Haus der Kulturen der Welt, North, and Plan the Planet: They teach at the AA Architectural Association School of Architecture, London.

Territorial Agency: Oceans in Transformation  
Commissioned by TBA21-Academy  
© Territorial Agency

### Keynote speaker

**Diala Brisly**

- Paintings for hope

In 2012 Diala published her first illustration. It portrayed a child that had lost a leg and an arm in an explosion.

"I was suffocating, and it was a way for me to breathe, to express what is happening", Diala explains in an interview. Since then, she has helped many children to deal with their experiences of war as well as benefitting herself. For example, she paints murals together with children in refugee camps and at art therapy workshops.

Conflicts and war are destructive forces that destroy efforts concerning sustainability, equality and education. And always, the ones who suffer most are children.

In this talk Diala Brisly, a Syrian artist and activist, describes how she provides children with a voice. By painting both for children and with children she opens the lines of communication, which is not just about war, but also about hope.

**Diala Brisly** is an artist and activist who fled Syria in 2013. She now lives in France where she continues to be active.





## Jeremy Meteyer Zero Waste Stockholm

- Why do we need to reduce waste to achieve a sustainable society?

In Sweden we produce almost 500 kilogram waste per person and year! And that is just waste produced by households. Although we are quite good at recycling, we are also consuming more, which means more waste. What if we could find a way of reducing waste all together? From rethinking product designs to new refillable and reusable packaging models, Zero Waste Stockholm will present some solutions to prevent waste at the source.

Zero Waste Stockholm mission is to inspire Stockholmers to reduce their ecological footprint and the amount of waste they generate. We see waste awareness as a first step on the sustainability journey.

**Jeremy Meteyer** is one of the co-founders of Zero Waste Stockholm. He is working as a system simulation engineer and develops projects around waste prevention. Jeremy is passionate about building sustainable systems, growing pumpkins and writing articles about waste topics.

### Program Part 3 EST November 9<sup>th</sup> - Parallel sessions

**14.15-15.00**

Master Program in International Marketing (ZEG23)  
International Business Management (SEV25)

Engage for a growing profitable circular market. Secures the future of the planet, society and business (Session in English)

Engagera dig för en växande lönsam cirkulär marknad. Säkra planetens, samhällets och företagets framtid  
**Theresa Thomasson, CireKo**

**14.15-15.00**

Internationella marknadsföringsprogrammet (GKV08)

Socialt entreprenörskap för en hållbar utveckling (Session in Swedish)

Social entrepreneurship for sustainable development  
**Malin Gawell, Södertörn University**

**14.15-15.00**

Ekonomiprogrammet (GKV02)

Om övergången till en ekonomi med låga koldioxidutsläpp. - konsekvenser för bankvärld, företag och privatekonomi (Session in Swedish)

On the transition to a low-carbon economy. - consequences for the banking world, companies and personal finances  
**Stefan Öhman, Sparbanken Rekarne**

**14.15-15.00**

Statsvetarprogrammet (GKV06)

Article presentation:

"The Role of Public-Private Partnerships in Housing as a Potential Contributor to Sustainable Cities and Communities: A Systematic Review" (Session in English)

Artikelpresentation: "Rollen för offentlig-privata partnerskap inom bostäder som en potentiell bidragsgivare till hållbara städer och samhällen: en systematisk översyn"  
**Terence Fell och Johanna Mattsson, MDU.**

**14.15-15.00**

Högskoleingenjörsprogrammet i energiteknik (GHV01)

Civilingenjörprogrammet i energisystem (YCT01)

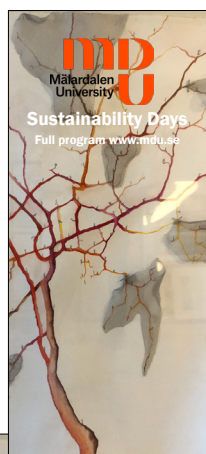
Solenergi. Status, potential, trender och ekonomi (Session in Swedish)

Solenergi. Status, potential, trender och ekonomi  
**Bengt Stridh, MDU**



For the complete program, please search Sustainability Days 2021 at MDU.

## Sustainability Days 2022, 16-17 November



# GREENPEACE

Västerås 16 November

## Why are we still protesting?

Markus Mattisson

Why aren't all emissions communicated? Why are we depleting our last forests? Why is there still a need to protest? Human induced climate change and its disastrous effects has been recognized as scientific facts for decades, why aren't we fixing the problem?

**Time:** 12:30-13:45

**Place:** Västerås, Omega

**Language:** English



Västerås 16 November

## Entrepreneurship, peace and circular economy

Sandhya Randberg

Sandhya Randberg has been working for fair trade and the climate issue for the past 25 years. She doesn't just talk about sustainability, but she creates social change by doing.

Sandhya's company Oria, which among other things produces ICA's cloth bags, has met farmers and workers in the company's supply chain.

In a collaboration with an international hotel chain, she now also applies circular economy in practice. Sandhya believes that cooperation is the key out of the climate crisis.

**Tid:** 13:45 - 14:30

**Plats:** Västerås, Omega

**Språk:** Swedish



Discussion Lounge

## Sustainable actions through Humanitarian Engineering Engineers Without Borders Sweden

Meet Engineers Without Borders Sweden - a volunteer based and value driven organization **Engineering for Humanity**. Since 2007, they strive to solve engineering challenges related to inequality and global development. Through humanitarian engineering, they engage, inspire and unite people to build sustainable communities.

17th of November

Time: 11:00-12:00

Language: English

Place: Eskilstuna, Wooden stairs at the ground floor.

Diskussionsforum

## Humanitär ingenjörskonst för en hållbar framtid Ingenjörer utan gränser Sverige

Träffa Ingenjörer utan gränser Sverige - en frivilligbaserad och värderingsdriven organisation **Engineering for Humanity**. Sedan 2007 strävar de efter att lösa ingenjörsutmaningar relaterade till ojämlikhet och global utveckling. Genom humanitär ingenjörskonst engageras, inspirerar och förenar de människor för att bygga hållbara samhällen.

17 november,

Tid: 11:00-12:00

Språk: Engelska

Plats: Eskilstuna, Trätappan plan 1



This event is a part of the Sustainability days full program at [www.mdu.se](http://www.mdu.se)

Den här aktiviteten är en del av hållbarhetsdagarna hela programmet hittar på [www.mdu.se](http://www.mdu.se)



## Programme Sustainability days 16 November 2022

### Greenpeace

OPEN SESSION - Markus Mattisson, Greenpeace Sweden

Time: 12:30-13:45 | Place: Omega, MDU Västerås | Language: English

Why aren't all emissions communicated? Why are we depleting our last forests? Why is there still a need to protest? Human induced climate change and its disastrous effects has been recognized as scientific facts for decades, why aren't we fixing the problem? Markus Mattisson from Greenpeace Sweden talks about recent Swedish environmental policy from an NGO perspective, the term 'green' and the need for more straightforward communication.

### Entrepreneurship, peace and circular economy

Sandhya Randberg

Time: 13:45-14:30 | Place: Omega, MDU Västerås | Language: Swedish

Sandhya Randberg has been working for fair trade and the climate issue for the past 25 years. She doesn't just talk about sustainability, but she creates social change by doing. Sandhya's company Oria, which among other things produces ICA's cloth bags, has met farmers and workers in the company's supply chain. In a collaboration with an international hotel chain, she now also applies circular economy in practice. Sandhya believes that cooperation is the key out of the climate crisis.

### Applying sustainability in business administration theses - why and in what ways?

Leanne Jonsson, PhD student

Time: 09:15-10:00 | Place: R2-113, MDU Västerås or Zoom | Language: English

- Inspiring students' thesis topics
- The importance of sustainability within business studies
- Adopting suitable theories for sustainability problems
- Managerial implications related to sustainable business

### CIRCLE-LAB The experience of being a secondary teacher for sustainable chemistry

OPEN SESSION - Yi Wei, Communications Officer and Olga Handel, Project manager

Time: 09:15-10:00 | Place: R2-342, MDU Västerås | Language: English

CIRCLE-LAB is a project that has received funding from ERASMUS+, the project aims to develop teacher training courses and educational tools about the circular economy focusing on sustainable chemistry. We would like to invite you to the teaching room to experience being a secondary teacher. The teaching material and interaction game will be offered.

See the entire program by searching Sustainability Days 2022 MDU.



## Primethon

### What is PRIMEATHON?

PRIMEATHON is an umbrella concept for collaborative online international learning (COIL) opportunities. The name comes from the international association PRIME Networking and the COIL activities being hackathon events. A hackathon event challenges students to get involved in problem and solution based learning, where they must collaborate and present a solution to a dilemma, in a limited time frame (24h).

Under the PRIMEATHON umbrella we have (so far) developed two different hackathon events: HACKOFFICE and HACKMARKET. The events take their starting point from the 17 UN Sustainable Development Goals, focusing on sustainable solutions for future challenges.

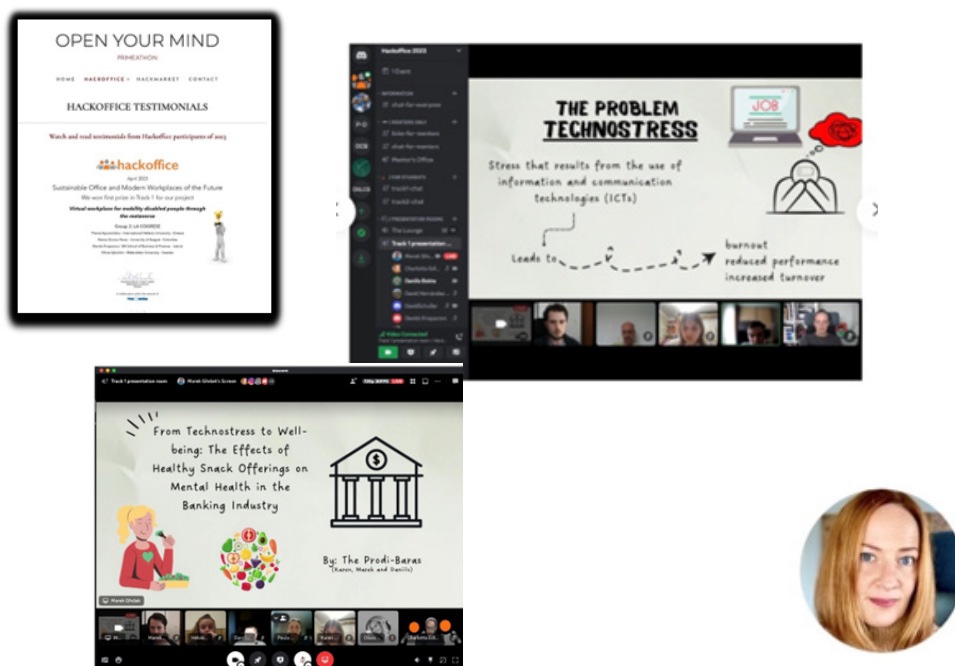


Hackoffice is an amazing opportunity for students to collaborate virtually with students from different countries. They work in multi-cultural teams over a 24-hour period. The overall goal of this cross-cultural teamwork experience is to add value to current studies by exposing students to international work and research environments. Also, students will gain insights and experience regarding the global workplace. In addition, they will be working with students from different fields, such as Business, Engineering, Information Technology, Project Management, Marketing, Management, etc., thereby exposing them to different problem-solving and theoretical perspectives.

This hackathon event aims at identifying, discussing, and presenting innovative solutions to problems related to the **sustainable office and future workplace**. Different possible perspectives were introduced to the participating students: (1) personal health and wellbeing, (2) metaverse, (3) new working methods/the digital workplace/digital nomads.

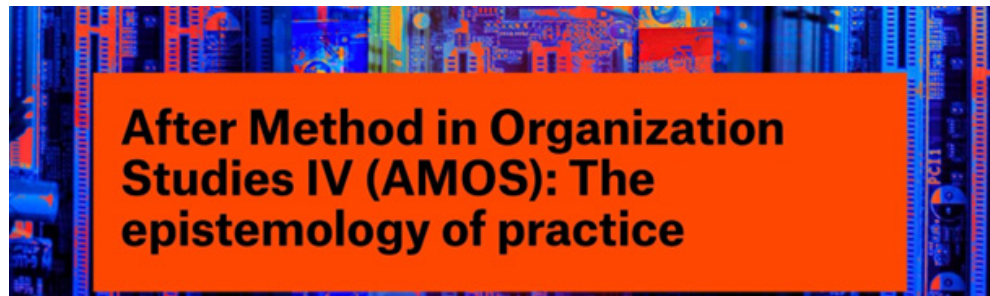
35 students and 12 academic mentors from 7 different countries participated in the event that took place on April 13th 16:00 (CEST) to April 14th (16.00 CEST) 2023

Please read more about the event here: <https://www.primeathon.com/hackoffice/> and why not take part in some of the testimonials from this cohort of students: <https://www.primeathon.com/testimonials/>



## Conferences hosted at EST-DBS

### AMOS conference 2022



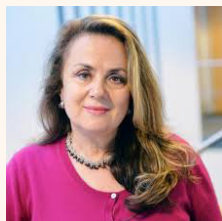
After Method in Organization Studies IV (AMOS) Conference took place at Mälardalen University, **16–17 June, 2022**. The purpose with the conference was to provide an opportunity for social science researchers to meet and discuss methodological questions around epistemology of practice and epistemological practices. Practice theory is considered reconfiguring question of responsibility, ethics and sustainability as specific entanglements of human and non human actors.

#### Keynotes



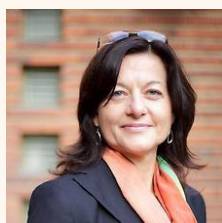
#### **Lucy Suchman – Lancaster University**

Lucy Suchman is Professor of the Anthropology of Science and Technology at Lancaster University (UK). She was a Principal Scientist at Xerox's Palo Alto Research Center (PARC), where she spent twenty years as a researcher. Her current research extends a longstanding engagement with the field of human-computer interaction to the domain of contemporary militarism. She is concerned with the question of whose bodies are incorporated into military systems, how and with what consequences for social justice and the possibility for a less violent world.



#### **Marianna Fotaki – University of Warwick**

Marianna Fotaki is Professor of Business Ethics at University of Warwick Business School, University of Warwick. Marianna was Network Fellow (2014–2015) at the Center for Ethics, Harvard University. She has published over 70 articles on gender, inequalities and the marketization of public services appearing in the leading international journals and her recent books include: *The Whistleblowing Guide: Speak-up Arrangements, Challenges and Best Practices* (Wiley Finance, 2019 co-authored with Kate Kenny and Wim Vandekerckhove) and *Business Ethics, and Care in Organizations* (Routledge 2020, co-edited with Gazi Islam and Anne Antoni). Marianna currently works on whistleblowing, solidarity responses to crisis and refugee arrivals in Greece.



#### **Hillevi Lenz Taguchi – Stockholm University**

Hillevi Lenz Taguchi, Professor of Education and Child and Youth Studies at Stockholm University, Department of Child and Youth Studies. Director of Research Studies in Early Childhood Education. Hillevi Lenz Taguchi has experience of trans- and interdisciplinary research specifically focusing feminist theories and continental philosophy in her studies of higher education, teacher education and early childhood practices. She is much involved with the theoretical development and transgressive methodologies as part of the Posthumanist, New Materialist and Post Qualitative turns.

Visit the page of the Amos Conference 2022 here: <https://www.mdu.se/en/malardalen-university/conferences/after-method-in-organization-studies-iv-amos-the-epistemology-of-practice>



## Fekis at MDU, 18-20 October 2022

In 2022 MDU hosted the business economics subject conference, called FEKIS in Swedish. In this edition some specific sessions were dedicated to Responsible Management Education and to discussing connection between Anthropocene and Society and their integration in business education and research.

### A2: DELT

**The Anthropocene and Society**  
Patrik Zapata - Göteborgs Universitet  
Anette Hallin - Åbo Akademi & MDU  
Emma Ek Österberg - Göteborgs Universitet  
Nina Tynkkynen - Åbo Akademi

"Humanity's got less than 8 years left", Johan Rockström, professor of environmental science, said provocatively when commenting upon an IPCC-report a few years ago. In the era of the Anthropocene, i.e., in the age where human activity affects the Earth's ecosystem, we are facing not only a climate crisis, but ripple effects such as refugee crises, hunger crises, wars and natural disasters. Clearly, we as a society, and as Business Studies scholars, are facing great challenges; the traditional solutions for dealing with crises and problems are no longer viable. We as human beings need to do things now. The question is how. During this session we will reflect together upon our own practices as Business Studies Academics. First, a few invited speakers will provide us with their reflections. The participants will reflect together and contribute to discussing questions, such as:

- - *How do we in our researchers address the anthropocene? What do we, as researchers need to do?*
- - *Which courses do we give in Business studies where these issues are discussed? On what levels, and with which pedagogical methods?*

The aim of the session is to inspire all of us to new ways forward when it comes to teaching, researching, and collaborating Business Studies in the era of the Anthropocene. More specifically, the session will provide input to a PhD-course planned for the spring of 2023.

### PLENUM 2:

**Onsdag 19 oktober 15.30 - 16.30**

**Omega | Campus Västerås**

**"Responsible & Sustainable Management Education"**

How can we raise rebel managers? Will our future managers be equipped with competence for ethics, responsibility, and sustainability (ERS)?

There is a sense of urgency towards change in the world: how can/should higher education institutions keep up and deliver responsible and sustainable management education?



Moderator: Silvia Bruzzone  
Mälardalens Universitet  
Senior Lecturer in Organization Studies



Participant: Dr Oliver Laasch  
The University of Manchester  
Senior Lecturer in Entrepreneurship and Innovation



Participant: Guénola Nonet  
Jönköping International Business School  
Universitetslektor företagsekonomi  
JIBS Champion for Responsibility in Action

Visit the page of FEKIS 2022 at MDU: [https://www.mdu.se/download/18.7c2b-917f182e9269f46a9142/1666108825782/FEKIS2022\\_program.pdf](https://www.mdu.se/download/18.7c2b-917f182e9269f46a9142/1666108825782/FEKIS2022_program.pdf)



### ENROAC at MDU

In June 2023, EST-DBS hosted 13th ENROAC (European Network for Research in Organisational and Accounting Change) conference which was dedicated to sustainability and accounting. Keynotes:

	<p><b>Marianne Allmyr</b>  <b>Energy Strategist, Mälarenergi, Sweden</b></p> <p><b>Title: Netzero and (accounting for) things that no one wants</b></p> <p>Between things that everyone wants (energy) and things that no one wants (waste and carbon emissions) you find the waste-to-energy sector. Marianne Allmyr has presented some of the challenges when aiming to align the reality of Waste-to-Energy with the SBTi NetZero standard.</p>
	<p><b>Carlos Larrinaga</b>  <b>Professor of Accounting at the University of Burgos, Spain.</b></p> <p><b>Title: Sustainability accounting in the Anthropocene</b></p> <p>Carlos Larrinaga has studied the interplay between accounting and the natural environment since the early nineties and still perseveres. On that subject, Carlos has published in several interdisciplinary accounting journals. He serves on the editorial board of various journals and is an Associate Editor of the European Accounting Review.</p>
	<p><b>John Roberts</b>  <b>Professor of Accounting at the University of Sydney Business School, Australia</b></p> <p><b>Title: 'Looking for Something that Isn't There': A case study of an early attempt at ESG integration in investment decision making</b></p> <p>John Roberts is a qualitative researcher whose interests span the related areas of Corporate Governance, Ethics and Accountability. His current research interest is in attempts by investors to identify the financial materiality of ESG issues and the associated limitations of financial reporting and ESG ratings and rankings methodologies.</p>

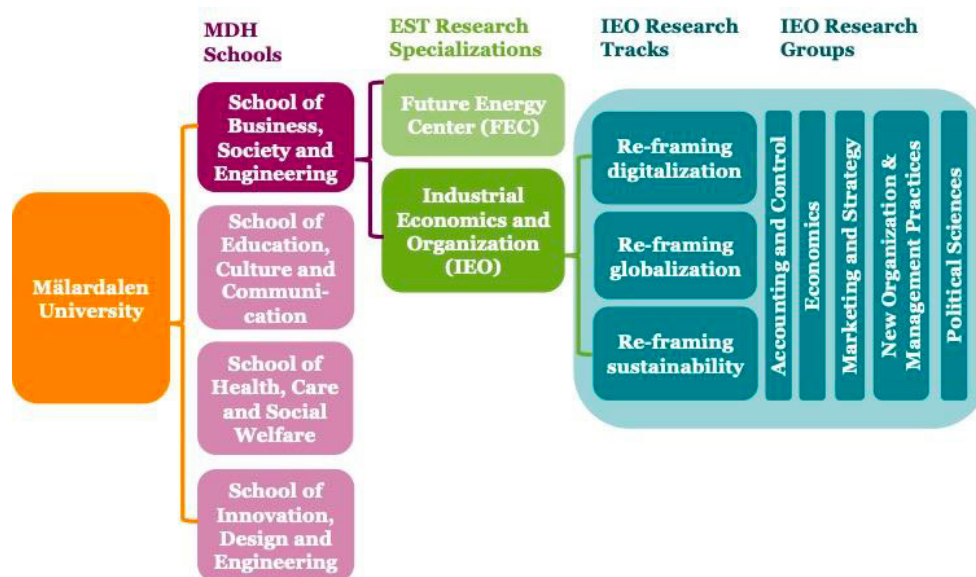
Visit the page of ENROAC conference 2023 at MDU: <https://www.mdu.se/en/malardalen-university/conferences/enroac-2023>

## 3.2 Research

### IEO research Unit

The Industrial Economics and Organization (IEO) is one of the two research units at EST (the other being the Future Energy Centre, part of the Energy Department) and corresponds approximately to researchers from DBS.

Digitalisation, globalisation and sustainability have attracted a lot of attention in society as well as in academia. We have reached a point where there is a need for questioning and refining the way we deal with such issues by applying interdisciplinary lenses and unpacking critical concerns. Research at IEO is now organized into three main research groups: re-framing sustainability, re-framing digitalization and re-framing globalization.



IEO research tracks and research groups in relation to MDU organization.

The research we conduct contributes to develop the way people and resources are coordinated, governed, steered and controlled in organisations, markets and the public sphere, in order to create and capture value.

### Research projects

#### DIGMA – Digitized management – what can we learn from Englang and Sweden? (2017-2023)

This project contributes to producing knowledge on digitalisation and its organisational dynamics and effects; knowledge that is of great interest for managers and employees in public and private organisations facing or undergoing digital transformation. In addition, the project will contribute to developing socio-material approaches conceptually and methodologically.

Project manager at MDU: Anette Hallin

Main financing: Forte



Anette Hallin

#### InPro-Hym: inclusive and productive hybrid meetings (2022-2024).

The purpose is to develop methods for organizing and performing inclusive and productive meetings. The project will result in material to be used for learning and organisational development. The main result is a digital handbook available online.

Project manager at MDU: Lucia Crevani

Main financing: Vinnova



Lucia Crevani



Lucia Crevani

### **Meeting and community in the post-digital era: Understanding the texture of organizing and how it is changing (2022-2025)**

The purpose is to develop a deeper understanding of how meetings are changing as we enter a post-digital era, and the consequences of such changes for the role of meetings in community-building.

Project manager at MDU: Lucia Crevani

Main financing: Riksbankens Jubileumsfond



Eva Lindell

### **Intelligent automation of interpersonal relationships in Human Resource work (2023-2026)**

The purpose of the project is to, through qualitative studies, explore the readiness for the introduction of, and the state of knowledge around, AI in HR work in Swedish companies today. The project addresses two practical areas: how HR professionals feel that their own work is affected by the introduction of AI in operations and how HR professionals approach the assessment of how the work of others will be affected by AI.

Project manager at MDU: Eva Lindell

Main financing: AFA försäkring



Inti Lammi

### **LIF - Leadership under change (2021-2023)**

In this project the researchers follow two departments in a municipality where shared leadership is introduced to lead in a more inclusive way and to develop more collaborative work practices.

Project manager at MDU: Inti Lammi

Main financing: Eskilstuna municipality

### **DigiFin - Automation or augmentation: How are white-collar workers affected by automating technologies in the financial sector (DigiFin) (2023-2016)**

The aim of the project is to understand which automating technologies, such as AI and algorithmic technologies, are used in the financial sector, and how they affect the work environment of white-collar workers.

Project manager at MDU: Inti Lammi

Main financing: AFA Försäkring



Sara Melén Hånell

### **How small companies in rural areas around Enköping work with Economic sustainability (2023)**

The purpose of the project is to investigate how small businesses operating in rural areas in Enköping work with economic sustainability, and how a so-called Enköping model for collaboration between small businesses, the municipality (Enköping) and academia (Mälardalen University) can be designed to improve the conditions for small businesses to work in a more structured way towards sustainable growth goals.

Project manager at MDU: Sara Melén Hånell

Main financing: Enköping Municipality



Ali Farashah

### **Skilled Migrants and their career in Sweden: Study of institutional, organizational and individual factors (2018-2022)**

The rate of unemployment and under-employment (being employed inadequately with respect to the skill level) in Sweden is higher among foreign-born residents. The aim of the project is to: a) identify the significant individual, organizational and institutional factors influencing migrants' career success; and b) develop a multi-level framework that presents a comprehensive picture of the interaction of the factors and their effect on the career success of skilled migrants.

Project manager at MDU: Ali Farashah

Main financing: FORTE

### Up-skilling for Industry 5.0 roll-out (2022-2025)

The Up-Skill project addresses the workforce implications of industry 5.0, in particular, the relationship between automation choices and maintenance of skilled work, exploring the strategic space in production where automation adds value to skilled and artisanal work and where over-automation risks undermining the value of what is produced.

Project manager at MDU: Chris Ivory

Main financing: European Commission (Horizon Europe)



Chris Ivory



### RESILIENT - The Competence Center for Resilient Energy Systems (2022-2027)

Five research organizations together with roughly 30 companies and public actors are part of a new competence center within Resilient energy systems. The aim is to increase knowledge and competence about the transformation of the Swedish energy system, towards high reliability and resource efficiency, as well as low environmental impact. At the center is knowledge of how sector linkages between transport infrastructure, industry and the built environment, including business models and organization, can create a resilient energy system. The center is financed by the Swedish Energy Agency and is coordinated by the research orientation Future energy at Mälardalen University. <https://sites.mdu.se/resilient>

### DeSET: Digital Energy Services and Ecosystem Transformation (2022-2026)

DeSET (RESILIENT) aims 1) to offer refined conceptual and practical guidelines, on how changes in the energy system and its related digitalization brings about (potential) sociotechnical transformations within the commercial real estate industry. 2) to support identifying whether and how different types of actors, resources and activities (from a market-as-a-ecosystem view), might be affected by energy system transformations.

Project manager at MDU: Peter Ekman

Main financing: Swedish Energy Agency



Peter Ekman

### ETPI - Evidence-based Tool for Proptech Investments: for energy and resource efficient facility transformation (2022-2025)

This project aims to develop an Evidence-based Tool for Proptech Investments (ETPI) that guides real estate managers' decision-making and supports new (start-up) proptech firms to clearly articulate the value created by their solutions. The commercial real estate industry is transforming from simply offering space to tenants into providing an array of digital services that include energy efficiency and tenant well-being.

Project manager at MDU: Peter Ekman

Main financing: Swedish Energy Agency

### SCOSSA - Sector coupling in energy transitions as sociotechnical processes (2023-2027)

The purpose of SCOSSA (RESILIENT) is 1) to develop new knowledge on how sector coupling in energy transition is actually worked upon at the interface between technological innovation and re-organizational processes. 2) to provide stakeholders a conceptual and practical framework for acting upon sector coupling challenges and to empower them with a capacity to anticipate.

Project manager: Silvia Bruzzone

Main financing: Swedish Energy Agency



Silvia Bruzzone



Silvia Bruzzone

### **BAIT – Waste management through IOT (2022-2023)**

The goal of BAIT project (Waste Management through IOT) is to conduct a preliminary study on how IoT can be used to improve waste management processes. The intent is, first of all, to increase the understanding of how IoT solutions can contribute to optimizing and streamlining waste management, as well as of increasing the waste management company's ability and conditions to implement and use IoT solutions in its activities.

Project manager at MDU: Silvia Bruzzone

Main financing: IOT Sverige

### **IVRIS - Introducing welfare technologies through realizing collaborative innovation (2018-2022)**

The introduction of welfare technologies is about changing work practices, not about technical artefacts. IVRIS Checklist has been developed with municipalities and regions and is an interactive and flexible tool to be used to improve the collaboration among different stakeholders (professionals and end-users) when starting a new initiative in the area of Welfare Technology.

Project manager at MDU: Silvia Bruzzone

Main financing: Vinnova



Jörgen Ödalen

### **The ethics and politics of climate-induced migration (2020-2022)**

Global climate change is likely to become a major cause of future migration. This raises important issues concerning state sovereignty and self-determination. This project investigates both theoretical and empirical issues related to this problem. The theoretical questions concern e.g. if migrants from disappearing Small Island States could somehow continue to exercise sovereign control over their abandoned territory. The empirical questions concern how this problem is dealt with in international politics, with a particular focus on deficient international leadership.

Project manager at MDU: Jörgen Ödalen

Main Financing: internal funding

## **Future-Proof Cities Research School**



Future-Proof Cities is a business research school and doctoral programme that focuses on sustainable urban development and is based on a societal dialogue on the challenges facing medium-sized Swedish cities – a dialogue that has academic collaborations with business and community planning to implement solutions for sustainable development at its heart. It is a collaboration with the business community and the Universities of Dalarna and Mälardalen. It is planned that doctoral students, who are at the centre of this collaboration, will be employed in the business world, while the research supervisors belong to the relevant higher education institutions. In the "Future-Proof Cities" business research school, three higher education institutions are now joining together in a unique initiative, using their professional knowledge of urban development to develop cities into climate-smart, vibrant, healthy and safe places. <https://www.hig.se/futureproofcities>

Contact person: Eva Thorin [eva.thorin@mdh.se](mailto:eva.thorin@mdh.se)



## IEO sustainability track seminars 2022-2023

Contact: [Silvia.bruzzzone@mdu.se](mailto:Silvia.bruzzzone@mdu.se)

13 October 2023	<p><b>Johan Sandström (Professor, Luleå University of Technology)</b></p> <p><i>Green transition and mining infrastructures</i></p> <p>Discussed work: Johan Sandström and Curt Persson (2021) Corporate paternalism on the rocks: a historical analysis of power relations in a mining town, <i>Management &amp; Organizational History</i>, DOI: 10.1080/17449359.2021.1977142</p>
12 October 2022	<p><b>Antti Edward Silvast (Associate Professor, DTU, Denmark)</b></p> <p><i>Sociology of Interdisciplinarity. The Dynamics of Energy Research</i></p> <p>Discussed work: Antti Silvast and Chris Foulds (2022) <i>Sociology of Interdisciplinarity. The Dynamics of Energy Research</i>, Palgrave <a href="https://link.springer.com/book/10.1007/978-3-030-88455-0">https://link.springer.com/book/10.1007/978-3-030-88455-0</a></p>
27 September 2022	<p><b>Maira Babri (Senior Lecturer, Örebro University)</b></p> <p><i>Material affordances in circular products and business model development: for a relational understanding of human and material agency.</i></p> <p>Discussed work: Maira Babri, Hervé Corvellec &amp; Herman I. Stål (2022) Material affordances in circular products and business model development: for a relational understanding of human and material agency, <i>Culture and Organization</i>, 28:1, 79-96 <a href="https://www.tandfonline.com/doi/full/10.1080/14759551.2021.1986506">https://www.tandfonline.com/doi/full/10.1080/14759551.2021.1986506</a></p>
7 April 2022	<p><b>Karin Ahlström (PhD student, MDU)</b></p> <p><i>Broadening the responsibility of top management teams – the impact of meeting practices</i></p> <p>Discussed work: paper in progress from her PhD thesis.</p>
7 April 2022	<p><b>Martin Eve (Professor, Birkbeck College, University of London)</b></p> <p><i>Open Access and Digital Mutations in Academic Publishing</i></p> <p>Discussed work: Martin Eve and Jonathan Gray (2020) <i>Reassembling Scholarly Communications: Histories, Infrastructures, and Global Politics of Open Access</i>, MIT Press. <a href="https://doi.org/10.7551/mitpress/11885.001.0001">https://doi.org/10.7551/mitpress/11885.001.0001</a></p>
6 April 2022	<p><b>Silvia Gherardi (Professor, Trento University) and Oliver Laasch (Senior Lecturer, Manchester University)</b></p> <p><i>Responsible Management as Practice: Mobilizing a Posthumanist Approach</i></p> <p>Discussed work: Gherardi S. and Laasch O. (2021) “Responsible Management as Practice: Mobilizing a Posthumanist Approach”, <i>Journal of Business Ethics</i></p>
1 April 2022	<p><b>IEO and Electrification Hub – Reframing Workshop</b></p> <p><i>The paths towards electrification in the Mälardalen Region</i></p> <p>The workshop gathers key actors in order to: 1) discuss the potentials and challenges facing this territory, especially in socio, economical and policy terms; 2) identify knowledge areas to strengthen collaboration opportunities among partners.</p>

## STS-MDU Group

### Science and Technology Studies at Mälardalen University

STS@MDU is an interdisciplinary special interest group of scholars, working at different departments of Mälardalen University and working at the intersections of Science and Technology Studies and other disciplines.

STS@MDU is a forum for interdisciplinary collaborations grounded on an STS perspective and aimed at studying technoscientific phenomena and the multiple relationships with human beings, objects, technologies, animals, soil, nature, culture, and possible others. In particular, the group is interested in exploring issues concerning societal development, as well as wider theoretical questions about for example human-machine interaction, social categorization and artificial intelligence, and digitalization and human values. Other relevant areas in which stronger interactions between engineering and social sciences are crucial are in the field of sustainable transitions and urban transformations.

### Network and activities

The special interest group is part of the Swedish STS network and, at MDU, involves the four schools: the School of Business, Society and Engineering (EST); the School of Health, Care and Social Welfare (HVV); the School of Innovation, Design and Engineering (IDT), and the School of Education, Culture and Communication (UKK).

Since its inception, the main activity of the group has consisted of monthly reading seminars in which publications – selected among STS “classics” and more recent studies – have been used to engage participants in collegial conversations to foster ideas, share knowledge, and support learning. This has been a way to get to know each other and to identify specific cross-areas of interest.

The ambition is to consolidate the group by developing research collaborations within the group and beyond, attracting new members, expanding the exchanges with other STS groups in Scandinavia and in the broader international context, and strengthening the institutional position of STS@MDU to make it one of the cutting-edge research areas of MDU in line with the progressive vision of the university.

<https://www.mdu.se/en/malardalen-university/research/industrial-economics-and-organization/science-and-technology-studies-at-malardalen-university>

### Contacts



Michela Cozza (MDU-EST)



Silvia Bruzzone (MDU-EST)



Elin Sundström Sjödin (MDU-UKK)



David Redmalm (MDU-HVV)

## 4. Partnerships and Dialogues

MDU is one of Sweden's foremost HEIs in terms of collaboration, which is part of the University's DNA. The University was established in 1977 as a result of collaboration with industry. This approach has been developed over the years, and today the University has several strategic collaboration agreements and projects in place with both the private and public sectors. Collaboration is an integral part of our education and research at MDU.

Our strategic collaboration partners: ABB, Hitachi Energy, Alstom, Eskilstuna Energi & Miljö, Eskilstuna Municipality, Mälarenergi, VafabMiljö, Volvo Construction Equipment, Sparbanken Rekarne and Västerås City.



MDU operates the following centres of expertise and collaboration platforms: Automation Region, Idélab, Mälardalen Industry Technology Center (MITC), Samhällskontraktet, Sörmlandskontraktet, Mälardalens teaching and learning skills centre (MKL), the Growth Engine and Robotdalen.

<p><b>Automation Region</b></p> <p>Automation Region is a centre of expertise and research at MDU which gathers small companies, large corporations, academia and the public sector in an industry-dependent cluster. Together with 160 member organisations, Automation Region's mission is to promote Swedish automation expertise, stimulate innovations and energise the industry's long-term skills supply. Automation Region is financed with funds from the EU, Tillväxtverket (the Swedish Agency for Economic and Regional Growth), Vinnova and other regional operators.</p>
<p><b>Centre for welfare change</b></p> <p>The Centre for welfare change is a meeting place where the public sector, academia, business and civil society develop the welfare of the future based on the possibilities of health and welfare technology.</p>
<p><b>Electrification Hub</b></p> <p>Electrification Hub is a collaborative platform that gathers expertise in joint efforts to accelerate the development of electrification, energy and electromobility and further drive climate change in Sweden and internationally. The goal is to help reduce the environmental impact of heavy transport in Sweden, which involves a 70 per cent reduction in emissions.</p>
<p><b>MDU Living Lab - ways to collaborate</b></p> <p>MDU Living Lab is arena for methodological development which strengthens collaboration between MDU, companies and the public sector. By developing methods for co-production, opportunities are created to increase efficiency, creativity and innovation capacity. The vision is to contribute to a sustainable society from a holistic perspective through collaboration.</p>
<p><b>Mälardalen Industrial Technology Center - MITC</b></p> <p>MITC develops industry, academia and society by converting knowledge from the Schools into the organisations of industrial companies.</p>
<p><b>Mälardalens teaching and learning skills centre (MKL)</b></p> <p>Mälardalens teaching and learning skills centre, (MKL) is the region's platform for collaboration regarding school development, teacher education, skills enhancement and research in the educational sciences.</p>
<p><b>Robotdalen</b></p> <p>Robotdalen is a centre of expertise and research at MDU. Since 2019, Robotdalen also has a parallel entity Robotdalen AB, which is owned by Robotdalen Förening, which consists of the following four members: Västerås City, Eskilstuna Municipality, Västmanland region and Sörmland region. Robotdalen addresses two major societal challenges, an ageing population and a competitive industry. It can help to solve these challenges by developing, commercialising and implementing new products and solutions.</p>
<p><b>Samhällskontraktet</b></p> <p>MDU works together with Eskilstuna Municipality and Västerås City on issues relating to research and the development of health, welfare, preschool and school, through Samhällskontraktet.</p>
<p><b>Sörmlandskontraktet</b></p> <p>Sörmlandskontraktet is a partnership between MDU, Eskilstuna Municipality and Eskilstuna Fabriksförening (organisation of companies in Eskilstuna) and which provides MDU in Eskilstuna with access to a unique offering of courses and programmes linked to digitalisation and IT.</p>
<p><b>Commissioned education for Small and Medium-sized Enterprises</b></p> <p>The commissioned education offered by MDU through Tillväxtmotorn can support you when your company is ready to grow. With the help of other business leaders, recognised experts in business development and MDU's researchers, you can bring yourself and your company to the next level.</p>

<https://www.mdu.se/en/malardalen-university/collaboration/platforms>

## 5. How MDU works with SDGs



	
<p>Ongoing research projects</p> <p>Creative mathematical reasoning reinforced by retrieval practice</p> <p>Creative mathematical reasoning reinforced by retrieving practice - enhancing learning and memory</p> <p>Cultural Evolution in Digital Societies</p> <p>Europe-Brazil-Bolivia-Cuba Capacity Building Using Globally Available Digital Learning Modules (EUBBC-Digital)</p> <p>Future curriculum resources in mathematics</p> <p>OnE LEARNS: Online Education for LEAders in Nutrition and Sustainability</p> <p>Operationalising usage-based learning: A minimal cognitive architecture approach</p> <p>RELIEF- euRopean bio-Economy aLIance in Farming</p> <p>Same program, different outcomes</p> <p>Studying the effects of teachers' professional development through quasi-experimental analyses of TIMSS and PIRLS</p> <p>Sustainable preschool</p> <p>Sustainable professional development by a digitalized introductory programme for nurses</p> <p>Telepresence robot mediated embodied interaction in hybrid language learning environments</p> <p>Collaborations:</p> <p>Eskilstuna municipality</p> <p>Gnesta municipality</p> <p>Hallstahammars municipality</p> <p>Regionförbundet Sörmland</p> <p>Region Västmanland</p> <p>Sparbanken Rekarne</p> <p>Stockholms University</p> <p>Västerås municipality</p> <p>Örebro municipality</p>	<p>Ongoing research projects</p> <p>AI assisted CO2 capture in biomass CHP plants</p> <p>Agrivoltaics in Skåne</p> <p>AutoDeep: Automatic Design of Safe, High- Performance and Compact Deep Learning Models for Autonomous Vehicles</p> <p>Avoiding conflicts between the sustainable development goals through agro-photovoltaic systems</p> <p>Europe-Brazil-Bolivia-Cuba Capacity Building Using Globally Available Digital Learning Modules (EUBBC-Digital)</p> <p>FASTER AI: Fully Autonomous Safety- and Time-critical Embedded Realization of Artificial Intelligence</p> <p>Future-proof Cities+</p> <p>GREENER: Intelligent energy management in connected construction sites</p> <p>Geothermal Community Heat Technology and Transfer</p> <p>GreenDL: Green Deep Learning for Edge Devices</p> <p>Improving agrivoltaic systems performances with spectrally selective solar cells</p> <p>Increase synergy between different energy networks (SENERGY-NETS)</p> <p>IndTech Digital Industrialisation</p> <p>MORMOR- Monitoring of airflow and airborne particles, to provide early warning of irrespirable atmospheric conditions</p> <p>Multiscale Methods for simulations of mechanical metamaterials</p> <p>New Replacement Policy Considering Environment Sustainability</p> <p>Optimized design of agrivoltaic systems in Sweden (Opti-APV)</p> <p>RELIEF- euRopean bio-Economy aLIance in Farming</p> <p>RENAISSANCE</p> <p>ShiftLabs</p> <p>Solar Energy Research Center Sweden Sverige (SOLVE)</p> <p>Trace4Value: Traceability For Sustainable Valuechains</p> <p>VA cluster Mälardalen</p> <p>Collaborations:</p> <p>ABB</p> <p>Mälarenergi</p> <p>Bombardier</p> <p>Westinghouse</p> <p>Vafab miljö</p> <p>Eskilstuna energi och miljö</p> <p>KK-stiftelsen</p> <p>Castellum Aspholmen</p>

For a complete overview of projects and collaborations please visit <https://www.mdu.se/en/malardalen-university/this-is-how-mdu-works-with-the-sustainable-development-goals>

## Appendix

### Appendix A. Selected Master Thesis (2021-2023)

Title	Year
How do influencer marketing agencies work with sustainability as intermediaries? : A multiple case study on influencer marketing agencies presented as a strategy	2021
Fashion shouldn't cost the Earth: an exploratory study on small businesses driving sufficiency in the Swedish fashion industry	2022
The Impact of Consumer Sustainability Values and Companies' Sustainability Work on Consumer Attitude and Purchasing : The Importance of Product and Price	2022
Why We Buy an Electric Vehicle Exploring Different Perceptions of Sustainability And How it Affects the Consumer Behavior - A Research for Electric Vehicles Marketing in Sweden, Germany, United Emirates, and Saudi Arabia	2022
Exploring Cross-Cultural Differences in Attitudes Towards SDG12	2023
Sustainability Content on Social Media Marketing with a B2B Perspective : A qualitative multiple case study on sustainability in social media marketing in the global manufacturing industry	2023
The effects of Fraud and Embezzlement in the organizational structures	2023
The Impact of Corporate Social Responsibility Diversity Equity and Inclusion efforts on Brand Image	2023

### Appendix B. Selected Bachelor Thesis (2021-2023)

Title	Year
Consumer behavior towards green cosmetic products in Sweden	2021
Consumer Behaviour and Corporate Social Responsibility : A study on grocery shopping during the COVID-19 pandemic	2021
LEADERSHIP'S ROLE IN MOTIVATING MILLENNIALS : A study of how organizational leaders motivate millennials in the workplace.	2021
Snygga ord på en tavla : En kvalitativ studie om organisationsmedlemmarnas upplevelse av organisationskulturen på företag som påstår sig ha mångfald bland anställda	2021
The association between CSR and Financial Performance : - A study on the major Swedish-owned banks	2021
LITHIUM-ION BATTERIES FROM A CLEAN ENERGY PERSPECTIVE: The Case of Northvolt	2022
The Effects of Environmental Policies on Companies' Competitive Advantage through Green Supplier Selection : An exploratory multiple case study on the Swedish hotel industry	2022
A Case Study on How Institutional Pressures and Stakeholder Interaction Impacts Firms' Balancing of Profit and Sustainable Activities	2023
Assessing ESG Reporting Practices in Swedish Banks: Approaches, and Barriers.	2023
Changes in Corporate Reputation through Corporate Social Responsibility and its Impact on Stakeholders	2023
CSR och klädbranschen : Vilka effekter har H&Ms CSR-strategi?	2023
Exploring sustainability performance in small and medium-sized enterprises from a triple bottom line perspective	2023
Implementation of Sustainable Business Models to Contribute to SDG 8 : Qualitative Analysis of Sustainable Business Models and their Contribution to SDG 8	2023
Managers' sustainable decision-making concerning ESG and profitability	2023
MONEYMAKER OR GLOBAL SAVER- Exploratory study on Sustainable Innovation	2023
Social Responsibility Engagement At Times Of Crisis	2023
STAYING ELEGANT WHILST NAVIGATING CSR IN A STORMY WORLD OF CRISIS WITHIN THE FASHION INDUSTRY : CSR As A Tool To Mitigate Future Global Crisis On The Fashion Industry	2023
The Influence of Corporate Social Responsibility Activities on B2B Customer Relationships : An explorative case study on the transformation towards a more sustainable and responsible future in the mining industry	2023
The Influence of CSR Initiatives on Gen Z's Perception of Firms: A Qualitative Study : Exploring the Impact of Corporate Social Responsibility on the Favourability of Potential Gen Z Employees	2023
Utilization of AI in Digital Marketing : An empirical study of Artificial Intelligence and the impact of effectiveness, ethics and regulations.	2023

### Appendix C. DBS Selected Publications (2021-2023)

Title	Year
Anastasiadou, E., Alkire, L., & Rëndell, J. (2021). Digitalisation for sustainability: Conceptualisation, implications and future research directions. In Ekman, P., Dahlin, P., & Keller, C. Management and Information Technology after Digital Transformation (43-52). Taylor and Francis. <a href="https://doi.org/10.4324/9781003111245-6">https://doi.org/10.4324/9781003111245-6</a>	2021
Bruzzone, S. (2021). A posthumanist research agenda on sustainable and responsible management education after the pandemic. <i>Journal of Global Responsibility</i> . <a href="https://doi.org/10.1108/JGR-05-2021-0045">https://doi.org/10.1108/JGR-05-2021-0045</a>	2021
Cozza, M., Bruzzone, S., & Crevani, L. (2021). Materialities of elderly care: caring together/apart in the political economy of caring apparatus. <i>Health Sociology Review</i> , 0(3), 308-322. <a href="https://doi.org/10.1080/14461242.2021.1976067">https://doi.org/10.1080/14461242.2021.1976067</a>	2021
Cozza, M., Östlund, B., & Peine, A. (2021). When theory meets practice. Entanglements of ageing and technology at the cross-roads of STS and Age Studies. <i>Tecnoscienza. Italian Journal of Science &amp; Technology Studies</i> , 11(2), 5-11.	2021
Farashah, A., & Blomquist, T. (2021). Organizational culture and cultural diversity: an explorative study of international skilled migrants in Swedish firms. <i>Journal of Global Mobility: The Home of Expatriate Management Research</i> , 9(2), 289–308. <a href="https://doi.org/10.1108/jgm-11-2020-0072">https://doi.org/10.1108/jgm-11-2020-0072</a>	2021
Fell, T., & Mattsson, J. (2021). The Role of Public-Private Partnerships in Housing as a Potential Contributor to Sustainable Cities and Communities: A Systematic Review. <i>Sustainability</i> , 13(14). <a href="https://doi.org/10.3390/su13147783">https://doi.org/10.3390/su13147783</a>	2021
Fell, T., Rydenstam, T., Buli, B. G., King, A. C., & Bälter, K. (2021). Citizen science in Sweden's stigmatized neighborhoods. <i>Sustainability</i> , 13(18). <a href="https://doi.org/10.3390/su131810205">https://doi.org/10.3390/su131810205</a>	2021
Hallin, A., Karrbom-Gustavsson, T., & Dobers, P. (2021). Transition towards and of sustainability-Understanding sustainability as performative. <i>Business Strategy and the Environment</i> , 4, 1948-1957. <a href="https://doi.org/10.1002/bse.2726">https://doi.org/10.1002/bse.2726</a>	2021
Mostaghel, R., & Chirumalla, K. (2021). Role of customers in circular business models. <i>Journal of Business Research</i> , 127, 35-44. <a href="https://doi.org/10.1016/j.jbusres.2020.12.053">https://doi.org/10.1016/j.jbusres.2020.12.053</a>	2021
Nilsson, D., & Blomkvist, P. (2021). Is the self-read water meter a pro-poor innovation? : Evidence from a low-income settlement in Nairobi. <i>Utilities Policy</i> , 68. <a href="https://doi.org/10.1016/j.jup.2020.101143">https://doi.org/10.1016/j.jup.2020.101143</a>	2021
Regnö, K. (2021). Managing Care work in Times of Austerity : Gedered Woking Conditions for Mangagers. In B.-I. Keisu, S. Tafvelin, & H. Brodin (Eds.), <i>Gedered Norms at Work: New Perspectives on Work Environment and Health</i> (83-101). Springer Nature. <a href="http://urn.kb.se/resolve?urn=urn:nbn:se:mdh:diva-56774">http://urn.kb.se/resolve?urn=urn:nbn:se:mdh:diva-56774</a>	2021
Söderbaum, P. (2021). The Challenge of Sustainable Development : From Technocracy to Democracy-Oriented Political Economics. <i>Economic Thought</i> , 10(1), 1-13. <a href="http://urn.kb.se/resolve?urn=urn:nbn:se:mdh:diva-55505">http://urn.kb.se/resolve?urn=urn:nbn:se:mdh:diva-55505</a>	2021
Söderbaum, P. (2021). Democracy, ideological orientation and sustainable development. In C. Gordon & A. Abdul-Gafaru (Eds.), <i>Research Handbook on Democracy and Development</i> (pp. 522-534). Edward Elgar Publishing. <a href="https://doi.org/10.4337/9781788112659.00042">https://doi.org/10.4337/9781788112659.00042</a>	2021
Tångh Wrangel, C., & Causevic, A. (2021). Critiquing Latour's Explanation of Climate Change Denial: Moving Beyond the Modernity/Anthropocene Binary [article]. <i>Millennium: Journal of International Studies</i> , 50(1), 199-223. <a href="https://doi.org/10.1177/03058298211054877">https://doi.org/10.1177/03058298211054877</a>	2021
Wamala, S., Richardson, M. X., Cozza, M., Lindén, M., & Redekop, K. W. (2021). Addressing evidence in health and welfare technology interventions from different perspectives [Editorial material]. <i>Health Policy and Technology</i> , 10(2), Article 100519. <a href="https://doi.org/10.1016/j.hlpt.2021.100519">https://doi.org/10.1016/j.hlpt.2021.100519</a>	2021
Ödalen, J., & Warttinen, F. (2021). Deficient International Leadership as a Feasibility Constraint: The Case of Multilateral Negotiations on Climate-induced Human Mobility. In K. Sarah & K. Corey (Eds.), <i>Principles of Justice and Real-World Climate Politics</i> . Rowman & Littlefield Publishers. <a href="http://urn.kb.se/resolve?urn=urn:nbn:se:mdh:diva-56637">http://urn.kb.se/resolve?urn=urn:nbn:se:mdh:diva-56637</a>	2021
Brommesson, D., Erlingsson, G., Ödalen, J., & Fogelgren, M. (2022). "Teach more, but do not expect any applause" : Are Women Doubly Discriminated Against in Universities' Recruitment Processes?. <i>Journal of Academic Ethics</i> , 20(3), 437-450. <a href="https://doi.org/10.1007/s10805-021-09421-5">https://doi.org/10.1007/s10805-021-09421-5</a>	2022
Bruzzone, S., & Crevani, L. (2022). Supporting and Studying Organizational Change for Introducing Welfare Technologies as a Sociomaterial Process. <i>Frontiers in Psychology</i> , 13. <a href="https://doi.org/10.3389/fpsyg.2022.787223">https://doi.org/10.3389/fpsyg.2022.787223</a>	2022
Buli, B. G., Tillander, A., Fell, T., & Bälter, K. (2022). Active Commuting and Healthy Behavior among Adolescents in Neighborhoods with Varying Socioeconomic Status : The NESLA Study. <i>International Journal of Environmental Research and Public Health</i> , 19(7). <a href="https://doi.org/10.3390/ijerph19073784">https://doi.org/10.3390/ijerph19073784</a>	2022

Cozza, M., Ellison, K. L., & Katz, S. (2022). Hacking age. <i>Sociology Compass</i> . <a href="https://doi.org/10.1111/soc4.13034">https://doi.org/10.1111/soc4.13034</a>	2022
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Johnsson, M., Klintberg, M., Oldebring, J., & Sundström, A. (2023). DEVELOPING A PROGRAMME FOR EDUCATING MANAGERS IN SYSTEMATIC INNOVATION PRACTICES: A CASE STUDY. <i>International Journal of Innovation Management</i> , 27(01n02). <a href="https://doi.org/10.1142/s1363919623500020">https://doi.org/10.1142/s1363919623500020</a>	2022
Johnstone, L., & Lindh, C. (2022). Sustainably sustaining (online) fashion consumption: Using influencers to promote sustainable (un)planned behaviour in Europe's millennials [article]. <i>Journal of Retailing and Consumer Services</i> , 64. <a href="https://doi.org/10.1016/j.jretconser.2021.102775">https://doi.org/10.1016/j.jretconser.2021.102775</a>	2022
Persson Osowski, C., Osowski, D., Johansson, K., Sundin, N., Malefors, C., & Eriksson, M. (2022). From Old Habits to New Routines—A Case Study of Food Waste Generation and Reduction in Four Swedish Schools. <i>Resources</i> , 11(1), 5-5. <a href="https://doi.org/10.3390/resources11010005">https://doi.org/10.3390/resources11010005</a>	2022
Rytkönen, P.I., Oghazi, P. and Mostaghel, R. (2023), Food entrepreneurship and self-employment in an island context, <i>British Food Journal</i> , 125(13), 237-252. <a href="https://doi.org/10.1108/BFJ-06-2022-0537">https://doi.org/10.1108/BFJ-06-2022-0537</a>	2022
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Tarnovskaya, V., Tolstoy, D. & Melén Hånell, S. (2022). Drivers or passengers? A taxonomy of multinationals' approaches to corporate social responsibility implementation in developing markets. <i>International Marketing Review</i> , 39(7), 1-24. <a href="https://doi.org/10.1108/IMR-05-2021-0161">https://doi.org/10.1108/IMR-05-2021-0161</a>	2022
Abay, Z. (2022). The signalling role of voluntary ESG assurance. <i>International Journal of Managerial and Financial Accounting</i> , 14(3), 265-294. <a href="https://doi.org/10.1504/IJMFA.2022.123887">https://doi.org/10.1504/IJMFA.2022.123887</a>	2023
Ahlström, K., & Crevani, L. (2023). Managing Responsibly Together: How an Obligation is Made to Matter in Top Management Team Work. <i>Journal of Change Management</i> , 1–25. <a href="https://doi.org/10.1080/14697017.2023.2216241">https://doi.org/10.1080/14697017.2023.2216241</a>	2023
Anastasiadou, E., Røndell, J., Berglind, M., & Ekman, P. (2023). Identifying factors needed for business actor engagement in sustainable development goal (SDG) initiatives. <i>Journal of Business &amp; Industrial Marketing</i> , 38 (13), 195-210. <a href="https://doi.org/10.1108/JBIM-03-2022-0156">https://doi.org/10.1108/JBIM-03-2022-0156</a>	2023
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Blomkvist, P. (2023). Articulating Publicness in Infrastructure: The history of municipal streets, water and sanitation in Sweden. IWA Publishing.	2023
Blomkvist, P., Karpouzoglou, T., Nilsson, D. & Wallin, J. (2023) Entrepreneurship and alignment work in the Swedish water and sanitation sector, <i>Technology in Society</i> , 74. <a href="https://doi.org/10.1016/j.techsoc.2023.102280">https://doi.org/10.1016/j.techsoc.2023.102280</a> .	2023
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Bruzzone, S. & Stridsberg, H. (2023) Dancing urban waters. A posthuman feminist perspective on arts-based practice for sustainable education, in Cozza M. & Gherardi S. <i>The Posthumanist Epistemology of Practice Theory. Re-imagining Method in Organization Studies and Beyond</i> , Palgrave.	2023
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Cozza, M. & Cersosimo, G. (2023). A Responsible Approach to Age, Aging, and Digital Technology. <i>Italian Journal of Sociology of Education</i> , 15(2), 1-20. doi: 10.14658/PUPJ-IJSE-2023-2-1	2023
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Futures, 153. <a href="https://doi.org/10.1016/j.futures.2023.103235">https://doi.org/10.1016/j.futures.2023.103235</a> .	2023
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Ghuri, P.N., Elg, U. and Melén Hånell, S. (2023). Creating a Sustainable Competitive Position. Ethical Challenges for International Firms. <i>International Business Management</i> , 37. Emerald Publishing. ISBN: 978-1-80455-252-0	2023
Höglund, L., Mårtensson, M., & Nylinder, P. (2023). Public value accounting and the use of performance measurements as a management tool in a context of various assessments. <a href="https://doi.org/10.1108/jaoc-12-2021-0186">https://doi.org/10.1108/jaoc-12-2021-0186</a>	2023
Hoppe, M., & Namdar, K. (2023). Towards Entrepreneurship for a Cause: Educating Transformative Entrepreneurial Selves for a Better World. <i>Entrepreneurship Education and Pedagogy</i> . <a href="https://doi.org/10.1177/25151274221148222">https://doi.org/10.1177/25151274221148222</a>	2023
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Ingvarsson, C., Hallin, A., & Kier, C. (2023). Project stakeholder engagement through gamification: what do we know and where do we go from here? <i>International Journal of Managing Projects in Business</i> , 16(8), 152–181. <a href="https://doi.org/10.1108/ijmpb-07-2022-0170">https://doi.org/10.1108/ijmpb-07-2022-0170</a>	2023
Karrbom Gustavsson, T., Hallin, A., & Dobers, P. (2023). Stakeholder involvement in distributed projects: a performative approach to large scale urban sustainable development projects and the case of Stockholm Royal Seaport. <i>Construction Management and Economics</i> , 1–16. <a href="https://doi.org/10.1080/01446193.2023.2232893">https://doi.org/10.1080/01446193.2023.2232893</a>	2023
Lisichkova, N. & Lindh, C. (2023). Luxury Brands and Pro-environmental Behaviour through Commitment: The (Un) Awareness Perspective. In Thaichon, P. & Quach, S. <i>Luxury Marketing, Sustainability and Technology</i> , (53-69). Routledge. eBook ISBN 9781003321378	2023
Melén Hånell S.M., Tolstoy, D. & Tarnovskaya V (2023). Multinationals with a Proactive CSR Approach. In Ghauri, P.N., Elg, U. & Melén Hånell, S. (Eds.) <i>Creating a Sustainable Competitive Position. Ethical Challenges for International Firms. International Business Management</i> , 37. (93-109). Emerald Publishing. eBook ISBN: 978-1-80455-249-0	2023
Mostaghel, R., Oghazi, P. & Lisboa, A. (2023). The transformative impact of the circular economy on marketing theory, <i>Technological Forecasting and Social Change</i> , 195. <a href="https://doi.org/10.1016/j.techfore.2023.122780">https://doi.org/10.1016/j.techfore.2023.122780</a>	2023
Nilsson, D., Karpouzoglou, T., Wallin, J., Blomkvist, P., Golzar, F. & Martin, V. (2023). Is on-property heat and greywater recovery a sustainable option? A quantitative and qualitative assessment up to 2050. <i>Energy Policy</i> , 182, 113727–113727. <a href="https://doi.org/10.1016/j.enpol.2023.113727">https://doi.org/10.1016/j.enpol.2023.113727</a>	2023
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