



CIRCLE

CENTRE FOR
INNOVATION RESEARCH

2022

Annual report

CIRCLE – CENTRE FOR INNOVATION RESEARCH | LUND UNIVERSITY



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Letter from the director

Life in a hybrid world continued throughout 2022 and has become part of CIRCLE's DNA. It allows for building a vibrant research community locally while connecting globally.

In my mind, 2022 flew by even faster than usual. Maybe, it was because of the local buzz, being back at the office, or the more frequent attendance of in-real-life conferences and workshops?

Thinking back, I am thankful for another inspiring year at CIRCLE. Personally, I am very happy about the open and supportive attitude I experience at CIRCLE, the constructive dialogue and critique we benefit from in the many research related activities, as well as the willingness and enthusiasm to collaborate across disciplinary boundaries. These are core values to cherish in the future. Indeed, CIRCLE as a home for a research community can only prosper and become valuable through the engagement and commitment of all of us at CIRCLE. This is what paved the way for a successful 2022.

This report only mentions some of all the valuable contributions, which together define our scientific and societal impact in 2022.

Our **community** grew to over 100 innovation researchers and CIRCLE became more international with representation from 30 countries and all continents. The atmosphere is vibrant with regular research talks, a series of seminars, and a variety of activities related to the research themes.

CIRCLE researchers were **engaged** in an increasing number of research projects and produced scientific publications on various subjects. Funding was attracted

from prestigious organizations including the European Commission, the Swedish Research Council, and the Volkswagen Foundation.

Our results were **published** in top journals such as Research Policy, Progress in Human Geography, Organization Studies, Entrepreneurship Theory and Practice. We also developed our **outreach** channels further, introducing a new policy briefs series, publishing popular science articles, and adding linked-in as a social media channel.

As our research community is getting stronger, attention is increasingly shifting towards utilising the potential we built in the past, for instance in developing new research actions. A very positive experience in this regard was the broad engagement of many colleagues in developing a research agenda and proposal for a research environment call. The process was an impactful learning experience for me, showing the value and potential of the CIRCLE community – a living laboratory comes to mind. Everybody chipped in ideas and reflections, while being open for what the discussions would lead to. I hope to see more of this kind of explorative collaboration in the coming year.

With that in mind, I would like to thank the CIRCLE community for the steadfast engagement and conclude a successful year with a positive outlook for 2023 and onwards.

Markus Grillitsch

Markus Grillitsch

Director of CIRCLE
Senior Lecturer, Department of Human Geography
Lund University

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This is CIRCLE

CENTRE FOR INNOVATION RESEARCH

CIRCLE is the Centre for Innovation Research at Lund University. The meaning of the term innovation has transformed and is now tightly linked to sustainable development goals including climate change, social sustainability and food security. This calls for not only technological and business innovations but also for an understanding of how innovations impact societies, communities and households.

THREE OBJECTIVES FOR CIRCLE

- Develop as an internationally renowned research centre in innovation studies with the capabilities to attract successful researchers and PhD Candidates.
- Provide excellent opportunities for dynamic and multi-disciplinary research activities.
- Disseminate research results and engage with decision makers and stakeholders.

SOCIETAL CHALLENGES WE AIM TO ADDRESS

Innovation is a key driver of economic and societal change, for the good and for the bad. By developing a better understanding and knowledge co-creation with practitioners about innovation CIRCLE aims to contribute to tackling societal challenges.

Our research aims to bring insights on how to address the sustainable development goals (SDGs) set by the United Nations. A variety of projects address several of the different SDGs and CIRCLE as a whole works in particular with goals 8 – Decent work and economic growth, 9 – Industry, innovation and infrastructure, and 10 – Reduced inequality.

On a European level CIRCLE's research aims to be part of delivering the European green deal.

OUR VISION

We strive to be a world-leading interdisciplinary research environment delivering scientific and societal impact

OUR MISSION

CIRCLE's mission is to understand and explain how innovation can contribute to a good society and tackle societal challenges such as economic crises, climate change or the increased globalization of economic activities. This aim requires advanced insights into:

- how knowledge is created and diffused in organizations, networks, regions, countries, and globally
- how knowledge is turned into innovations
- which conditions promote or hinder the creation and diffusion of innovation
- what intended and unintended societal consequences innovation have.



Organisation

MANAGEMENT TEAM

Markus Grillitsch has received renewed trust in the role as director of CIRCLE by the faculty deans and the Lund University vice-chancellor, which means that he will lead the centre for another three years until the end of 2025.

Apart from the director, the management team has one deputy director and there are three designated coordinators – one for each of the three faculties involved in CIRCLE – who are represented in the CIRCLE management team.

Director: Markus Grillitsch, Associate Professor in Economic Geography, Social Sciences

Deputy Director: Magnus Nilsson, Associate Professor in Business Administration, Lund University School of Economics and Management

Faculty Coordinators:

- Social Sciences: **Josephine Rekers**, Associate Professor in Human Geography
- Lund University School of Economics and Management: **Merle Jacob**, Professor in Research Policy
- Faculty of Engineering: **Torben Schubert**, Associate Professor in Innovation Management



Markus Grillitsch



Magnus Nilsson



Merle Jacob

BOARD

Mats Benner, (Chair person) *Dean Lund University School of Economics and Management* | **Markus Grillitsch**, *Director CIRCLE* | **Richard Gullstrand**, *Head of Regional Development Region Skåne* | **Anna Meeuwisse**, *Vice Dean Faculty of Social Sciences* | **Fredrik Nilsson**, *Deputy Dean Design Sciences* | **Magnus Nilsson**, *Deputy Director CIRCLE* | **Stine Madsen**, *Student representative* | **Annika Olsson**, *Dean Faculty of Engineering* | **Diamanto Politis**, *Director of Sten K. Johnson Centre for Entrepreneurship*

INTERNATIONAL ADVISORY BOARD

Anna Bergek, *Professor at Environmental Systems Analysis/Technology Management and Economics, Chalmers, Sweden*

Susana Borrás, *Professor at the Department of Organization at Copenhagen Business School (CBS), Denmark.*

Jakob Edler, *Professor and Executive Director of the Fraunhofer Institute for Systems and Innovation Research ISI, Germany, and Professor of Innovation Policy and Strategy at the Manchester Institute of Innovation Research (MIOIR), UK*

Markku Sotarauta, *Professor, Faculty of Management and Business, Tampere University, Finland*

Roger Sørheim, *Professor, Department of Industrial Economics and Technology Management, NTNU, Trondheim, Norway*

FACILITIES AND ADMINISTRATION

CIRCLE is physically based on campus at Lund University with flexible office spaces that are open to all members.

Administrative staff: **Sengül Redzep**, *Financial administrator* | **Annette Gustafs**, *Finance officer* | **Pernilla Daws**, *Communications officer*



Josephine Rekers



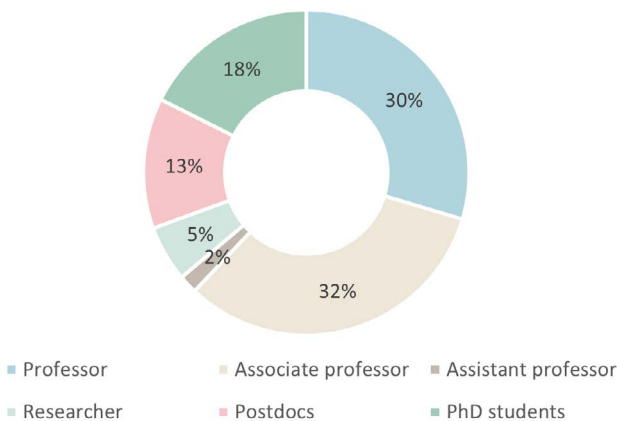
Torben Schubert

Membership in numbers

MEMBERS AND MEMBERSHIP

Membership in CIRCLE is open to academics with an interest in innovation research. CIRCLE aims to be diverse and inclusive and this is reflected in the different research area interests, faculty affiliations and degree of academic experience as well as nationality.

Members by category 2022



There are two types of membership at CIRCLE, described in detail on the CIRCLE website. Lund University employees can become *full* members whereas researchers with an interest in innovation studies from other universities can apply for an *affiliated* membership.

” CIRCLE is a meeting place for different perspectives

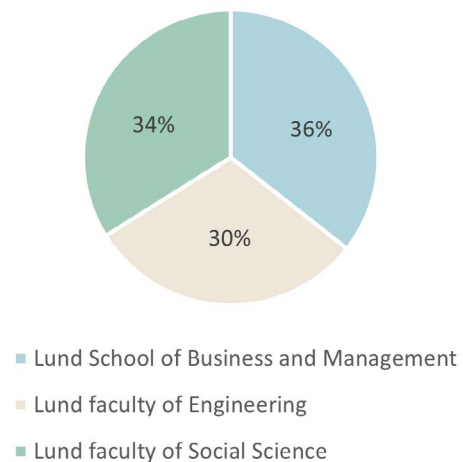
– Olof Hallonsten, Doctor of Research Policy and Associate Professor of Sociology



LUND UNIVERSITY REPRESENTATION AT CIRCLE

Three faculties at Lund University are represented at CIRCLE in fairly equal parts with approximately 1/3 at each faculty.

Members at Lund University 2022

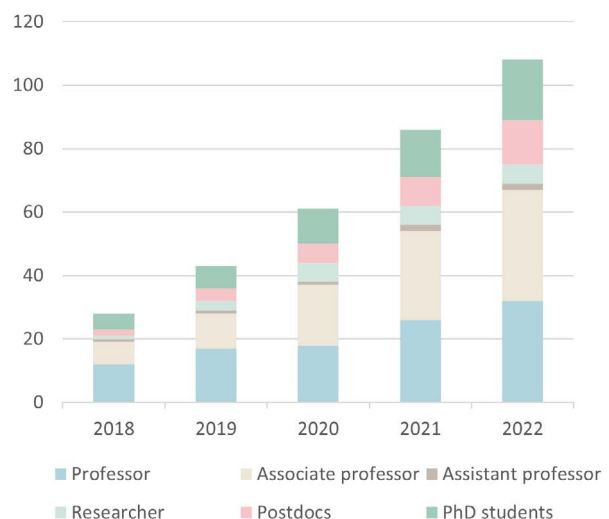


MEMBERSHIP DEVELOPMENT IN NUMBERS

The number of members (full and affiliated) raised by 28% in 2022 compared to the year before. There are CIRCLE researchers of many different nationalities represented in 18 countries.

Approximately 1/3 of the members are professors, 1/3 are associated or assistant professors and 1/3 of the members is made up of postdocs, researchers and PhD students.

Members by category



Community

CIRCLE strives to be a diverse and inclusive community which means membership is open to a broad variety of academics. An interest in innovation research is what binds everyone together.

There are different ways of participating in the CIRCLE community. Groups of researchers have formed under the specified themes where we work together to broaden and deepen the particular field through interdisciplinary approaches. Read more about the research themes on page 14.

Other possibilities to join in the CIRCLE community is by participating in the following activities.

SEMINARS

During the year the different research themes arranged seminars on a variety of topics within their fields and CIRCLE also arranged some open research seminars related to innovation, among others:

- **Grazia Santangelo**, Professor of Strategic and International Management, Copenhagen Business School: "Investor response to the appointment of female CEOs – An international stakeholder perspective"
- **Elisabeth Gulbrandsen** from Research Council of Norway: "Transformative Research and Innovation Policy"
- **Karl Wennberg**, Professor at Stockholm School of Economics and **Christian Sandström**, Senior Associate Professor at Jönköping University: "Questioning the Entrepreneurial State?"
- **Herman Mark Schwartz**, Professor of Politics and Public Policy, University of Virginia: "Profits, R&D and Inequality in the Nordic *Knowledge Economies*"



RESEARCH TALKS

Informal meetings – Research talks – are held every week on Wednesdays. They provide an opportunity for senior and junior researchers to meet and discuss ongoing and planned research, as well as to act as each other's sounding boards.

Research talks used to be a meeting for those working in Lund but that changed during the pandemic when the meetings became digital and could reach outside of Lund and Sweden. In 2022 Research talks took the form of hybrid meetings with some people gathering at the CIRCLE office in Lund and others joining in digitally from all corners of the world. Each session with approximately 25 participants on average saw active participation and engaged discussions from the members.

” We have managed to keep the welcoming atmosphere, in the hybrid Research talks, that now reach far beyond the meeting room at CIRCLE.”

– Linda Stihl, Doctoral student

INTERNAL MEETINGS

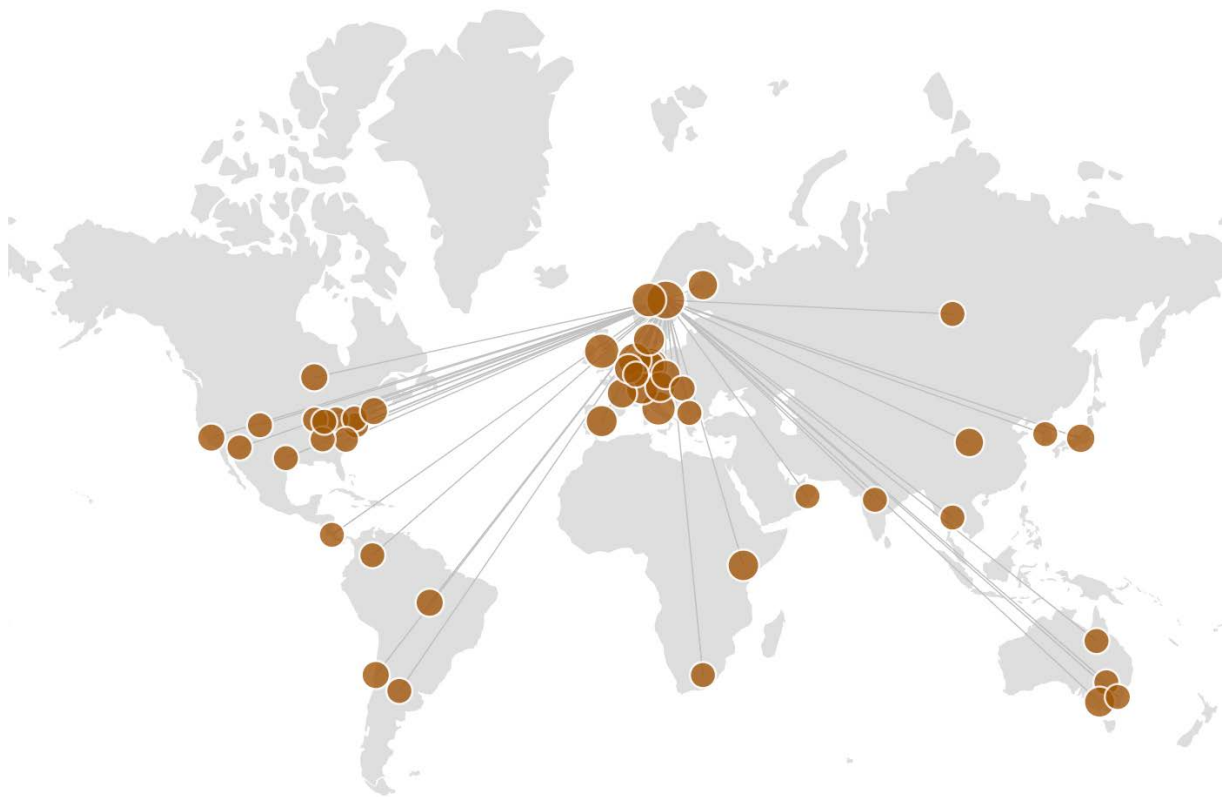
Each month all of CIRCLE's affiliated and full members are invited to an internal meeting to be informed about and to report on the progress of the research themes and the activities arranged by CIRCLE.

RETREAT

In May all CIRCLE members, the board and the advisory board were invited to a two day retreat in Helsingborg. It was two productive days where the direction of CIRCLE as an international research centre was discussed as well as valuable connections between people were made.



Internationalisation



BORDER CROSSING COLLABORATION

Collaboration across borders is important at CIRCLE – cross faculties, universities, countries and also between PhD students, early career researchers and senior researchers.

other European countries are well represented such as Germany, Italy, the UK and more. From other parts of the world we have members from for example: China, the USA, Trinidad and Tobago, Western Sahara, the Philippines and Japan.

RESEARCH

International cooperation within CIRCLE can be seen in particular within Europe and with North America but also in many other places across the globe.

Many research activities involve people from different faculties and countries who come together in the CIRCLE research themes and other projects.

MEMBERS

CIRCLE members are a diverse group of people who are dispersed over 18 different countries around the world – from Sweden to the USA, Chile and Australia.

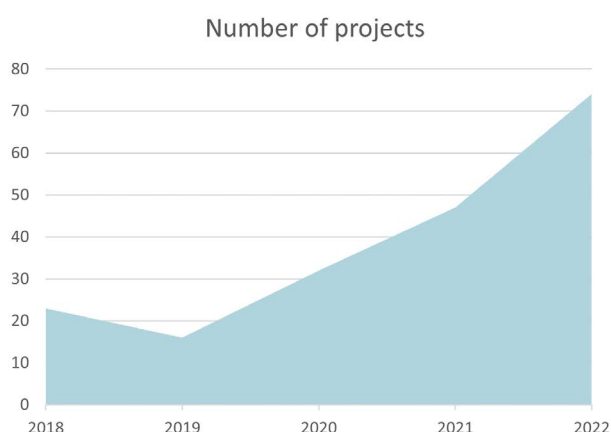
The different nationalities represented in CIRCLE is even greater with members originating from 30 different countries around the world. Sweden has the highest representation with 35% of the members and



Projects, funding and output

PROJECTS

CIRCLE members were in 2022 involved in 74 different research projects delving into a wide range of topics such as innovation and sustainability in the industry, entrepreneurship and society, innovation and geographic equality, human health and wellbeing, innovation processes and policy making.



A selection of ongoing projects

- The EU-funded **COLLECTiEF** project gathers 14 partners from six European countries to enhance the energy flexibility on both supply and demand sides.
- The project **STEPS – Sustainable Plastics and Transition Pathways, Phase 2** aims to facilitate the transition by sharing innovation, knowledge and findings between academia, industry and society.
- **BIOPATH** aims to work with approaches for integration of biodiversity considerations into financial decision-making, and analyse the institutional and policy implications of potential transition pathways.
- The project **RECO: Resilient Communities through Sustainable Welfare Transformation**, is a practical project based on mutual learning, aimed at developing sustainable and effective methods that can meet users' needs in the social services.

A longer list of active projects in 2022 is found in Appendix 2.

Projects started in 2022

- BIOPATH
- How prepared are Swedish detached houses to adapt to Climate Change?
- Improving energy efficiency and indoor climate of live-stock buildings through passive and active adaptation measures
- CARUACI: enhancing Climate change Adaptation and Resilience in Urban areas through combining Artificial and Collective Intelligence
- Research to enable a circular building sector
- Stroke under graviditet och efter förlossning
- RECO: Resilienta gemenskaper genom hållbar välfärdstransformation
- Nature by Numbers - Theme, Pufendorf IAS
- CHISMA: accounting for Climate change and Health risks in energy System MAnagement
- GReaTr: Governing resilience and transformation
- Inga enkla lösningar på komplexa problem – Styrning och ledning samt förutsättningar och hinder för samverkan och implementering av multidisciplinära vårdteam för äldre med omfattande behov
- Juridiken bortom "skolmarknaden": Fristående skolor som hybridorganisationer
- Bio+: The role of bioenergy to achieve energy and climate goals – an assessment of a changeable function in a dynamic energy system
- ForPol: Transdisciplinary co-production in forest policy research

Projects finalised in 2022

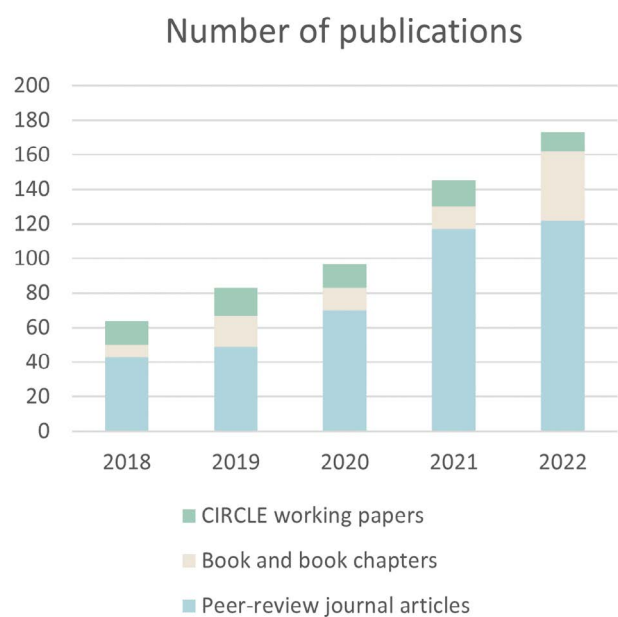
- Agents of change in old-industrial regions in Europe
- Nature by Numbers - Theme, Pufendorf IAS
- Juridiken bortom "skolmarknaden": Fristående skolor som hybridorganisationer
- The Gigification of work – Quo Vadis?
- Demand side management using collective intelligence and accounting for user comfort
- Digitized heat grid monitoring and scenario-based design using AI and ML
- MiljöPolStöd: The effect of environmental policies on voter support in Sweden
- Mot en offentlig utvallskultur?
- Petrochemicals and Climate Change: Literature Review
- DUS: Den (ut)forskande staden
- BIC: Building Innovation Capacity
- Innovationsarbetets organisering: Att lära från pilotprojekt och testlab

- Organizing innovation: learning from pilots and test-labs
- An experimentally organised economy: The role of Entrepreneurial Experimentation
- CLUE: Concepts, planning, demonstration and replication of Local User-friendly Energy communities
- Förstärkt cancerrehabilitering
- High-impact entrepreneurship in entrepreneurial eco-systems – Exploring system effects of incubator ventures
- Enhanced Value Creation and Credibility of Sustainability Information
- ACORE: Agents of Change in Old-industrial Regions in Europe
- FlexiSync: Flexible energy system integration using concept development, demonstration and replication
- Take away – disinvestment of established methods when implementing new psychosocial interventions for homeless people and people with mental health problems
- BIOECONOMY Graduate Research School
- Hållbar utveckling av biobränslebaserad kraft- och värmeproduktion ur omvärlds- och energibolagsperspektiv
- DigitalHistory@Lund
- Piloter för omställning av transportsektorn genom energieffektiv bebyggelse
- An experimentally organised economy: A Proposal for a Strategic Knowledge Platform

PUBLICATIONS

In 2022, the number of publications produced by CIRCLE members grew by 20%. The type of publication that had the highest increase compared to the year before – 208% – is the category books, book chapters and editorial book assignments.

Research has been published in a variety of leading peer-reviewed journals such as Progress in Human Geography, Organization studies, Regional studies, Research Policy, Entrepreneurship: Theory and Practice, Academy of Management Learning and Education, Journal of International Business Studies.



Publications by CIRCLE members are listed in Appendix 1.



FUNDING

CIRCLE members are active in different countries and fields and funding of our projects come from a wide range of organisations and private actors, such as:

The EU, FORMAS, Forte, Handelsbanken, Jan Wallander and Tom Hedelius foundation, The Kamprad Family Foundation for Entrepreneurship, Kraftringen energi AB, Research & Charity, Länsförsäkringar Alliance Research Foundation, MISTRA, NordForsk, Riksbanken, Swedish Energy Agency, Vetenskapsrådet (Swedish Research Council), Vinnova, V. Kann Rasmussen foundation (VKRF), Volkswagen Foundation and The Wallenberg foundations

” We would like to thank all of our funders for the fruitful collaboration and generous contribution to our research for a better society.

– CIRCLE Director Markus Grillitsch

ERC STARTING GRANT

Associate professor Lea Fünfschilling received an ERC Starting Grant (ERC-StG) for the project ENDINGS – Towards a theory of endings in innovation studies.

The project wants to shift attention towards existing institutionalized structures and what is today seen as established knowledge in order to be able to break this up and also pay attention to the surrounding systems where technology and people meet.

Studies will be conducted in three industries – energy, information and communication technology (ICT) and crafts – in Sweden, Germany and Great Britain.



” It is important not only to develop new and more sustainable products and services, but also to gain a better understanding of how existing, less sustainable systems can be terminated – perhaps even without replacing them with something new.

– Lea Fünfschilling, Associate professor in Sociology

Research outreach

The knowledge generated by our members' research activities is dispersed through different methods such as publishing working papers, peer-reviewed articles and popular science articles; through members' participation in networks, conferences, seminars and round table discussions as well as through videos, policy briefs, social media posts and the CIRCLE website.

WORKING PAPERS

The CIRCLE working paper series in innovation studies, edited by Torben Schubert, is an open instrument for early dissemination of theoretical and empirical research.

In 2022, 11 working papers were published and some of the most viewed were:

- Return of the Solow-paradox in AI? AI-adoption and firm productivity by Asta Bäck, Arash Hajikhani, Angela Jäger, Torben Schubert and Arho Suominen
- Foreign graduates in Sweden. The role of high tech sectors, STEM disciplines and cultural distance. by Claudio Fassio and Ioana Igna
- Evaluating Transformation – what can we learn from the literature? by Emily Wise and Erik Arnold

The full series is available through the website: <https://www.circle.lu.se/publications/working-papers/>

POPULAR SCIENCE ARTICLES

A variety of articles are written by the members for publication in newspapers, specialised magazines and as reports for different organisations. Some examples:

Adjusting platform business models: Digital health platforms in regulated industries.

Essén, Anna; Cenamor, Javier; Frishammar, Johan.
In: Management of Innovation and Technology, No. 3, 07.10.2022.

Report for Lund's climate policy council / Lunds kommuns klimatpolitiska råd: Rapport 2022.

Neij, Lena; Hildingsson, Roger; Andersson, Fredrik N G et al.
Lunds kommun, 2022.

Petrochemicals and Climate Change: Tracing Globally Growing Emissions and Key Blind Spots in a Fossil-Based Industry.

Bauer, Fredric; Kulionis, Viktoras; Oberschelp, Christopher et al.
Lund University, 2022. (IMES/EESS report; Vol. 126).

Make innovation a policy area of its own / Gör innovation till ett eget politikområde!

Edquist, Charles.
In: Dagens arena, 13.02.2022.

Why AI? – Prerequisites, opportunities and obstacles for companies using AI / Varför AI? – Förutsättningar, möjligheter och hinder för företag att använda AI.

Wernberg, Joakim.
Myndigheten för tillväxtpolitiska utvärderingar och analyser. Tillväxtanalys, 2022.

VIDEOS

In 2022 we released five short video interviews – Coffee break with researchers – where researchers convey their research findings connected to a published research paper. The videos are short and can easily keep you company during a quick coffee break. The 2022 videos:

- **Linda Stihl** on "Challenging the set mining path: Agency and diversification in the case of Kiruna"
- **Torben Schubert** on "Product Innovation and Educational Diversity in Top and Middle Management Teams"
- **Hanna Bach** on "Implementing maritime battery-electric and hydrogen solutions: A technological innovation systems analysis"
- **Nils Droste** on "A global overview of biodiversity offsetting governance"
- **Stine H J Madsen** on "A constructivist approach to the spatial organization of transformative innovation policy"

You find all of CIRCLE's Coffee break videos on the website:

<https://www.circle.lu.se/publications/coffee-break-with-researchers-videos/>





POLICY BRIEFS

In 2022 CIRCLE initiated a series of policy briefs – easy-to-read summaries of our research. During the year three innovation policy briefs were released:

- Regional development policy should focus more on the long term
- Empowering agents to drive change in policy-making
- How to enable a circular economy transition

You find the policy briefs for reading and downloading on the website:

<https://www.circle.lu.se/publications/policy-briefs/>

EDITORIAL ASSIGNMENTS

CIRCLE members are frequently engaged as editors for different journals. Some examples:

Rhiannon Pugh: Lead editor of early career section, Regional Studies, Regional Science

Vahid Nik: Guest Editor of Joint Special Issue on “Enhancing energy flexibility and climate resilience of urban

energy systems” by the journals of Applied Energy and Advances in Applied energy (Elsevier).

Torben Schubert: Guest editor for special issues for Technological Forecasting and Social Change as well as for Socio-economic Planning Sciences | Advisory editor for Research Policy | Member of the Distinguished Reviewer Board of Scientometrics | Member of the editorial board of Papers in Regional Science.

WEBSITE

Many of the visitors to the CIRCLE website come from Sweden but a vast variety of countries are represented among the website visitors being a strong indicator for the international visibility of CIRCLE.

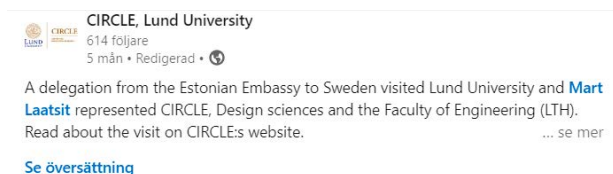
SOCIAL MEDIA

Twitter is one of the main sources for traffic to the website and Twitter along side with LinkedIn is an important channel for research outreach.

In 2022 the number of followers of the @CIRCLE_LU twitter account raised by 23% and our tweets were viewed 162 804 times over the year.

The CIRCLE **LinkedIn** account was revived during 2022 and it is becoming another important channel for outreach.

<https://www.linkedin.com/company/circle-lund-university/>



Research

The research initiatives at CIRCLE aim at exploring unused potential in promoting international, cross-disciplinary research and thereby partake in Lund University's contribution to tackling society's challenges.

Research at CIRCLE is currently organized in eight interconnected thematic areas. Each theme hosts different research projects and most researchers at CIRCLE are involved in several research themes.

RESEARCH THEMES IN BRIEF

A short introduction to the research themes follows below and you can read more about CIRCLE's research on the [website: https://www.circle.lu.se/research/](https://www.circle.lu.se/research/)

Corporate venturing and innovation

The theme studies how firms organize and benefit from corporate venturing activities that build upon either internal or external ideas to advance innovation to sustain competitive advantages. We take a systemic view to understand the interactive relationship between corporate venturing and the local innovative and entrepreneurial environment, which matters for the overall competitiveness of a region or a country.

Entrepreneurial Experimentation

Entrepreneurial experimentation is a system function in technological innovation systems that includes the creation, selection and scaling-up processes of new technologies and innovations within the system. This theme studies how in an experimentally organised economy, individuals, organisations and institutions interact in exploring, discovering and exploiting opportunities and new ideas.



Functional public procurement for innovation, welfare and the environment

Public procurement can be a driver of innovation through functional specifications where the buyer describes the problem to be solved – instead of describing a product as the solution. This research theme brings attention to how functional public procurement potentially is a powerful innovation policy instrument that can influence, not only the speed, but also the direction of innovation processes.

Geography of Innovation and Societal Transformation

In recent decades, Information and Communications Technology has diffused in all industries and sectors disrupting the ways we produce and consume. This has created winners as well as losers both in terms of regions, industries and jobs. We look at how new technologies such as artificial intelligence, nanotechnologies or biotechnologies now are taking center stage and how this affects society.

Innovation in the Global South

The research context of the Global South demands and offers additional perspectives to the study of innovation. Experiences in the Global South make it clear that technical solutions, from a Global North context, on their own are insufficient. The adoption of a new technology is therefore a process that requires at least as much innovation and creativity as the initial act of innovation that led to the technology.



International businesses, technology and innovation

Research in this theme focuses on the global dimension of innovation processes, including global research collaboration, global sourcing of knowledge and offshoring of R&D and innovation, as well as their impact in terms of innovation, wellbeing and growth. The aim of this research area is to understand how firms organize jointly their innovation and internationalisation activities and how global activities influence the local features of innovation dynamics.

New perspectives on innovation policy

Innovation policy makers of today are facing a range of challenges to solve, extending far beyond the usual paradigm of economic growth. This calls for more innovation within innovation policy itself. The research theme aims to study the changing landscape for policy making and develop new approaches to guide the 21st century innovation policy.

Sustainability transition

European research and innovation must focus on the grand challenges of our time, finding solutions to problems associated with ageing societies, pandemics, public health, security, global warming and the increasingly difficult access to sources of energy, water and food. This typically involves a variety of technological and social innovations, behavioral and institutional change, and a diversity of societal actors.

Public Sector Innovation

This research theme sheds light on innovation as an important key to moving forward in the public sector which includes health care, care of elderly and children, education, judicial system, national defense, public transport and infrastructure – areas that face complex challenges. As demands from citizens increase and resources decrease, innovation is usually highlighted as a strategy to find the solutions required.

A CLOSER LOOK AT THE INNOVATION POLICY THEME

Theme coordinator for *New perspectives on innovation policy*, Mart Laatsit says that focus so far has been on community building through discussions between policy makers and policy researchers in a seminar series that was launched in 2022.

” We have successfully launched our seminar series – bringing together people from different parts of the policy community.

– Mart Laatsit, Associate Senior Lecturer and research theme coordinator

The seminars have featured different aspects of innovation policy and have been well attended and reviewed by the participants. Notable examples of last year's seminars include:

Innovation Policy in Times of Transformation and Crisis. New Rationales and Intervention Strategies

With speaker Matthias Weber – Head of Center for Innovation Systems & Policy at AIT Austrian Institute of Technology in Vienna and Visiting Professor at Université Gustave Eiffel, Paris

Mission-oriented policy

With speakers Mikk Vainik – Accelerate Estonia and Iris Wanzenböck – Utrecht University

Education

CIRCLE has continued providing master and PhD level education in collaboration with different faculties at Lund University as well as other universities.

Our members participated in teaching at three faculties at Lund University: the Faculty of Engineering, the Social Science Faculty, and the School of Economics and Management. CIRCLE's ambition is to contribute to further strengthening cross-disciplinary teaching at Lund University. This brings both great opportunities and challenges for the future.

CIRCLE is a member of NORSI (Norwegian Research School in Innovation), a joint research school bringing together 28 universities in the Nordics. Through CIRCLE, PhD students at Lund University have the opportunity to take advantage of the many courses offered by NORSI, and CIRCLE members also contribute to many of them as speakers. Åsa Lindholm Dahlstrand, is a member of the Management Team for NORSI.

CIRCLE is also a member of Eu-SPRI (European Forum for Studies of Policies for Research and Innovation) – which aims to strengthen the community of research related to policy and governance in the field of knowledge creation and innovation – comprising 19 European universities. Torben Schubert, represents CIRCLE at the general assembly of Eu-SPRI, and has together with Rhiannon Pugh organised a series of early career seminars.

PhD courses with CIRCLE involvement during the year. Some examples:

- Eu-SPRI Winter School on Geography of Innovation. (On-line event February 7-11)
- NORSI PhD course in Business models and business model innovation. (March-May)
- PhD course in Innovation studies offered by LUSEM and CIRCLE. (March-May)
- NORSI: Geography of Innovation – International PhD course on Economic Geography (9-19 May)
- PhD course in Innovation and Society at Lund University – Offered by the faculty of Social Sciences and CIRCLE. (13-17 June)
- NORSI PhD course in Sustainability Transitions and Innovation (22-26 August)
- NORSI PhD course in Quantitative Methods for Innovation Research. (5-9 December)





Appendix 1 – Publications 2022

CONTRIBUTIONS TO JOURNALS

Path tracing in the study of agency and structures: Methodological considerations.

Sotarauta, Markku; Grillitsch, Markus.

In: Progress in Human Geography, 16.12.2022.

The corporate social media creep.

Schaefer, Stephan.

In: Culture and Organization, 05.12.2022.

Locked in unsustainability: Understanding lock-ins and their interactions using the case of food packaging.

Simoens, Machteld Catharina; Leipold, Sina; Fuenfschilling, Lea.

In: Environmental Innovation and Societal Transitions, Vol. 45, 01.12.2022, p. 14-29.

Assessing change agency in urban experiments for sustainability transitions.

Roebke, Lukas; Grillitsch, Markus; Coenen, Lars.

In: Environmental Innovation and Societal Transitions, Vol. 45, 12.2022, p. 214-227.

Axes of contestation in sustainability transitions.

Madsen, Stine; Miörner, Johan; Hansen, Teis.

In: Environmental Innovation and Societal Transitions, Vol. 45, 12.2022, p. 246-269.

Entrepreneurial universities' metamorphosis: Encountering technological and emotional disruptions in the COVID-19 ERA.

Guerrero, Maribel; Pugh, Rhiannon.

In: Technovation, Vol. 118, 102584, 12.2022.

Use of health self-management platform features: The case of a specialist ehealth app.

Cenamor, Javier.

In: Technological Forecasting and Social Change, Vol. 185, 122066, 12.2022.

Philosophical Minds or Brotgelehrte?

Alvesson, Mats; Einola, Katja; Schaefer, Stephan.

In: Organization Studies, Vol. 43, No. 11, 01.11.2022, p. 1839-1852.

Unpacking the early alumni engagement of entrepreneurship graduates.

El-Awad, Ziad; Gabrielsson, Jonas ; Pocek, Jasna et al.

In: Journal of Small Business Management, 20.10.2022.

Determinants of Ph.D. progression: student's abilities and lab local environment.

Yoshioka-kobayashi, Tohru; Shibayama, Sotaro.

In: Higher Education, Vol. 84, No. 4, 29.09.2022.

Institutional Logics and Functionalist Differentiation Theory: Challenges and pathways forward.

Alvehus, Johan; Hallonsten, Olof.

In: Organization Theory, Vol. 3, No. 3, 19.09.2022.

Productive resistance in public sector innovation – introducing social impact bonds in Swedish local government.

Fred, Mats; Mukhtar-Landgren, Dalia.

In: Public Management Review, 18.09.2022.

Regional opportunity spaces: observations from Nordic regions.

Kurikka, Heli; Kolehmainen, Jari; Sotarauta, Markku et al.

In: Regional Studies, 14.09.2022.

Dynamic recombinant relatedness and its role for regional innovation.

Martynovich, Mikhail; Taalbi, Josef.

In: European Planning Studies, 13.09.2022.

Challenging the set mining path: Agency and diversification in the case of Kiruna.

Stihl, Linda.

In: The Extractive Industries and Society, Vol. 11, 01.09.2022.

Emerging Technologies Supporting the Transition to a Circular Economy in the Plastic Materials Value Chain.

Aristi Capetillo, Alejandro; Bauer, Fredric; Chaminade, Cristina.

In: Circular Economy and Sustainability, 09.2022.

How global regimes diffuse in space – Explaining a missed transition in San Diego's water sector.

Miörner, Johan; Heiberg, Jonas; Binz, Christian.

In: Environmental Innovation and Societal Transitions, Vol. 44, 09.2022, p. 29-47.

How alternative foods become affordable: The co-construction of economic value on a direct-to-customer market.

Bååth, Jonas.

In: Journal of Rural Studies, Vol. 94, 01.08.2022, p. 63-72.

Accelerating the low-carbon transition will require policy to enhance local learning.

Neij, Lena; Nemet, Gregory.

In: Energy Policy, Vol. 167, 113043, 08.2022.

Livelihoods matter – A comparative political ecology of forest use on Hispaniola.

Marzelius, Milla; Droste, Nils.

In: Forest Policy and Economics, Vol. 141, 102765, 08.2022.

Combining computational fluid dynamics and neural networks to characterize microclimate extremes: Learning the complex interactions between meso-climate and urban morphology.

Javanroodi, Kavan; Nik, Vahid M.; Giometto, Marco G. et al.

In: Science of the Total Environment, Vol. 829, 154223, 10.07.2022.

Strategic coupling and institutional innovation in times of upheavals: the industrial chain chief model in Zhejiang, China.

Gong, Huiwen; Hassink, Robert; Wang, Cassandra C.

In: Cambridge Journal of Regions, Economy and Society, Vol. 15, No. 2, 01.07.2022, p. 279-303.

How socio-technical regimes affect low-carbon innovation: Global pressures inhibiting industrial heat pumps in the Netherlands.

Wesseling, Joeri; Kieft, Alco; Fuenfschilling, Lea et al.

In: Energy Research and Social Science, Vol. 89, 102674, 07.2022.

The Role of Fear of Missing Out and Experience in the Formation of SME Decision Makers' Intentions to Adopt New Manufacturing Technologies.

Gartner, Johannes; Fink, Matthias; Maresch, Daniela.

In: Technological Forecasting and Social Change, Vol. 180, 121723, 07.2022.

On the essential role of organized skepticism in science's "internal and lawful autonomy" (Eigengesetzlichkeit).

Hallonsten, Olof.

In: Journal of Classical Sociology, Vol. 22, No. 3, 27.06.2022, p. 282-303.

Generic instruments in a synchrotron radiation facility.

Söderström, Kristofer Rolf; Åström, Fredrik; Hallonsten, Olof.

In: Quantitative Science Studies, Vol. 3, No. 2, 22.06.2022, p. 420-442.

Indicators on firm level innovation activities from web scraped data.

Ashouri, Sajad; Suominen, Arho; Hajikhani, Arash et al.

In: Data in Brief, Vol. 42, 108246, 06.2022.

Knowledge recombination for emerging technological innovations: The case of green shipping.

Tsouri, Maria; Hansen, Teis; Hanson, Jens et al.

In: Technovation, Vol. 114, 102454, 06.2022.

Local autonomy and the partnership principle: Collaborative governance in the European Social Fund in Sweden.

Fred, Mats; Vanja, Carlsson; Mukhtar-Landgren, Dalia.

In: Public Money and Management, 26.05.2022.

Evidencing the benefits of cluster policies: towards a generalised framework of effects.

Wilson, James; Wise, Emily; Smith, Madeline.

In: Policy Sciences, Vol. 55, 21.05.2022, p. 369-391.

Sex Differences in Collateral Circulation and Outcome After Mechanical Thrombectomy in Acute Ischemic Stroke.

Lagebrant, Christian ; Ramgren, Birgitta; Hassani Espili, Ashkan et al.

In: Frontiers in Neurology, Vol. 13, 878759, 19.05.2022.

The art of being governed: The implementation of Covid-19 policy in Swedish on-license alcohol service.

Bååth, Jonas; Nilsson, Johan.

In: Food, Culture & Society, 19.05.2022.

Power relations and local agency: a comparative study of European mining towns.

Görmar, Franziska; Grillitsch, Markus; Hruska, Vladan et al.

In: Urban Research & Practice, 28.03.2022.

The Social Structure of Entrepreneurial Education as a Scientific Field.

Landström, Hans; Gabrielsson, Jonas ; Politis, Diamanto et al.

In: Academy of Management Learning & Education, Vol. 21, No. 1, 15.03.2022, p. 61-81.

Entrepreneurial learning in extra-curricular start-up programs for students.

Pocek, Jasna; Politis, Diamanto; Gabrielsson, Jonas .

In: International Journal of Entrepreneurial Behaviour & Research, Vol. 28, No. 2, 01.03.2022, p. 325-345.

High-resolution impact assessment of climate change on building energy performance considering extreme weather events and microclimate – Investigating variations in indoor thermal comfort and degree-days.

Hosseini, Mohammad; Javanroodi, Kavan; Nik, Vahid M.

In: Sustainable Cities and Society, Vol. 78, 103634, 03.2022.

Towards a unified theory of market prices: turning to pricing in practice.

Bååth, Jonas.

In: Socio-Economic Review, 18.02.2022.

Assessing transitions through socio-technical configuration analysis – a methodological framework and a case study in the water sector.

Heiberg, Jonas; Truffer, Bernhard; Binz, Christian.

In: Research Policy, Vol. 51, No. 1, 104363, 01.01.2022.

Climate Change and Renewable Energy Generation in Europe – Long-Term Impact Assessment on Solar and Wind Energy Using High-Resolution Future Climate Data and Considering Climate Uncertainties.

Yang, Yuchen; Javanroodi, Kavan; Nik, Vahid M.

In: Energies, Vol. 15, No. 1, 302, 01.01.2022.

Connecting firm's web scraped textual content to body of science: Utilizing microsoft academic graph hierarchical topic modeling.

Hajikhani, Arash; Pukelis, Lukas; Suominen, Arho et al.

In: MethodsX, Vol. 9, 101650, 01.2022.

A constructivist approach to the spatial organization of transformative innovation policy.

Madsen, Stine.

In: Environmental Innovation and Societal Transitions, Vol. 42, 2022, p. 340-351.

Advancing innovation in manufacturing firms: knowledge base combinations in a local productive system.

Plechero, Monica; Grillitsch, Markus.

In: European Planning Studies, 2022.

Advancing the treatment of human agency in the analysis of regional economic development: Illustrated with three Norwegian cases.

Grillitsch, Markus; Asheim, Bjørn; Isaksen, Arne et al.

In: Growth and Change, Vol. 53, No. 1, 2022, p. 248-275.

Agency and economic change in regions: identifying routes to new path development using qualitative comparative analysis.

Grillitsch, Markus; Sotarauta, Markku; Asheim, Björn et al.

In: Regional Studies, 2022.

"and Yet It Moves": National Entrepreneurial Culture and Entrepreneurship-Friendly Policies: Evidence from OECD Countries.

Pocek, Jasna; Fassio, Claudio; Kraus, Sascha.

In: Entrepreneurship Research Journal, 2022.

A note on performance indicators for agricultural economic journals.

Finger, Robert; Droste, Nils; Bartkowski, Bartosz et al.

In: Journal of Agricultural Economics, Vol. 73, No. 2, 2022, p. 614-620.

A participatory approach to tracking system transformation in clusters and innovation ecosystems-Evolving practice in Sweden's Vinnväxt programme.

Wise, Emily; Eklund, Moa; Smith, Madeline et al.

In: Research Evaluation, Vol. 31, No. 2, 2022, p. 271-287.

Assessing the feasibility of archetypal transition pathways towards carbon neutrality : A comparative analysis of European industries.

Bauer, Fredric; Hansen, Teis; Nilsson, Lars J.

In: Resources, Conservation & Recycling, Vol. 177, 106015, 2022.

Building urban resilience through sustainability-oriented small- and medium-sized enterprises.

Burch, Sarah; DiBella, Jose; Wiek, Arnim et al.

In: Urban Transformations, Vol. 4, No. 1, 2022.

Can B Corp certification anchor sustainability in SMEs?

Carvalho, Bruna; Wiek, Arnim; Ness, Barry.

In: Corporate Social Responsibility and Environmental Management, Vol. 29, No. 1, 2022, p. 293-304.

Coding for intangible competitive advantage - mapping the distribution and characteristics of software-developing firms in the Swedish economy.

Andersson, Martin; Kusetogullari, Anna; Wernberg, Joakim.

In: Industry and Innovation, 2022.

Colocation of Entrepreneurs and New Firm Survival: Role of New Firm Founder's Experiential Relatedness to Local Entrepreneurs.

Tavassoli, Sam; Jienwatcharamongkhol, Viroj; Arenius, Pia.

In: Entrepreneurship: Theory and Practice, 2022.

Contextual and evolutionary perspectives on entrepreneurial ecosystems. Insights from Chris Freeman's thinking.

Schmutzler, Jana; Pugh, Rhiannon; Tsvetkova, Alexandra.

In: Innovation and Development, Vol. 12, No. 1, 2022, p. 13-21.

Contextualizing agency in new path development: how system selectivity shapes regional reconfiguration capacity.

Miörner, Johan.

In: Regional Studies, Vol. 56, No. 22, 2022, p. 592-604.

De-implementation: lessons to be learned when abandoning inappropriate homelessness interventions.

Denvall, Verner; Bejerholm, Ulrika; Carlsson Stylianides, Kristina et al.

In: International Journal on Homelessness, Vol. 2, No. 2, 2022.

Development of originality under inbreeding: A case of life science labs in Japan.

Shibayama, Sotaro.

In: Higher Education Quarterly, Vol. 76, No. 1, 2022, p. 63-75.

Digital social entrepreneurship: the N-Helix response to stakeholders' COVID-19 needs.

Ibáñez, María J.; Guerrero, Maribel; Yáñez-Valdés, Claudia et al.

In: Journal of Technology Transfer, Vol. 47, No. 2, 2022, p. 556-579.

Disability and Arts Education. From Unequal Participation to Opportunities for Innovation.

Kaya, Gokhan; Mathieu, Christopher; Sèpulchre, Marie.

In: Scuola Democratica, No. 2, 2022, p. 261-278.

Discursive dynamics and lock-ins in socio-technical systems: an overview and a way forward.

Simoens, Machteld Catharina; Fuenfschilling, Lea; Leopold, Sina.

In: Sustainability Science, Vol. 17, No. 5, 2022, p. 1841-1853.

Dynamics of wilful ignorance in organizations.

Alvesson, Mats; Einola, Katja; Schaefer, Stephan.

In: British Journal of Sociology, Vol. 73, No. 4, 2022, p. 839-858.

Exploring the scope of regions in challenge-oriented innovation policy: the case of Schleswig-Holstein, Germany.

Hassink, Robert; Gong, Huiwen; Fröhlich, Klaas et al.

In: European Planning Studies, Vol. 30, No. 11, 2022, p. 2293-2311.

Fostering regional innovation, entrepreneurship and growth through public procurement.

Zabala-Iturriagoitia, Jon Mikel.

In: Small Business Economics, Vol. 58, No. 2, 2022, p. 1205-1222.

Getting personal with collaborative sustainability experimentation: Reflections and recommendations from a transdisciplinary partnership with the Swedish craft beer sector.

Ness, Barry; Wahl, Darin.

In: Ambio, Vol. 51, No. 12, 2022, p. 2544-2556.

Implementation structures at work. Exploring implementation and de-implementation attempts regarding Housing First and Individual Placement and Support.

Carlsson Stylianides, Kristina; Bejerholm, Ulrika; Denvall, Verner et al.

In: Social Policy & Administration, Vol. 56, No. 4, 2022, p. 617-631.

Industry legitimacy: bright and dark phases in regional industry path development.

Jolly, Suyash; Hansen, Teis.

In: Regional Studies, Vol. 56, No. 4, 2022, p. 630-643.

Innovating but still poor: The challenges of regional development in regions with mature industries.

Marques, Pedro; Barberá-Tomás, David.
In: Transactions of the Institute of British Geographers, Vol. 47, No. 2, 2022, p. 440-454.

Innovation in Malmö after the Öresund Bridge.

Ejermo, Olof; Hussinger, Katrin; Kalash, Basheer et al.
In: Journal of Regional Science, Vol. 62, No. 1, 2022, p. 5-20.

Järnburen smids på nytt. Ett klassiskt sociologiskt perspektiv på New Public Management och dess konsekvenser.

Hallonsten, Olof.
In: Sociologisk Forskning, Vol. 59, No. 1-2, 2022, p. 31-53.

Leaving the multinational: The likelihood and nature of employee mobility from MNEs.

Andersson, Martin; Castellani, Davide; Fassio, Claudio et al.
In: Journal of International Business Studies, Vol. 53, No. 5, 2022, p. 936-949.

Legitimation dynamics in industrial path development: new-to-the-world versus new-to-the-region industries.

Binz, Christian; Gong, Huiwen.
In: Regional Studies, Vol. 56, No. 4, 2022, p. 605-618.

Mentorship and creativity: Effects of mentor creativity and mentoring style.

Wang, Jian; Shibayama, Sotaro.
In: Research Policy, Vol. 51, No. 3, 2022.

Mysteries of the trade? Skill-specific local agglomeration economies.

Andersson, Martin; Larsson, Johan P.
In: Regional Studies, Vol. 56, No. 9, 2022, p. 1538-1553.

Norm-critical innovation as a way forward for responsible innovation? Evidence from a Swedish innovation policy program.

Fuenfschilling, Lea; Paxling, Linda; Perez Vico, Eugenia.
In: Journal of Responsible Innovation, Vol. 9, No. 3, 2022, p. 371-397.

Nuancing the roles of entrepreneurial universities in regional economic development.

Pugh, Rhiannon; Hamilton, Eleanor; Soetanto, Danny et al.
In: Studies in Higher Education, Vol. 47, No. 5, 2022, p. 964-972.

Petrochemical transition narratives: Selling fossil fuel solutions in a decarbonizing world.

Tilsted, Joachim Peter; Mah, Alice; Nielsen, Tobias et al.
In: Energy Research & Social Science, Vol. 94, 102880, 2022.

Reconsidering regional structural conditions for industrial renewal.

Baumgartinger-Seiringer, Simon; Fuenfschilling, Lea; Miörner, Johan et al.
In: Regional Studies, Vol. 56, No. 4, 2022, p. 579-591.

Role of machine and organizational structure in science.

Thu, Moe Kyaw; Beppu, Shotaro; Yarime, Masaru et al.
In: PLoS ONE, Vol. 17, No. 8, e0272280, 2022.

Skill-biased acquisitions? Human capital and employee mobility in small technology firms.

Xiao, Jing; Dahlstrand, Åsa Lindholm.
In: Small Business Economics, 2022.

Spatial variations in financial constraints of SMEs – evidence from firm-level estimates of investment-cash flow sensitivities in Sweden.

Andersson, Martin; Eklund, Johan E.; Tsvetkova, Alexandra.
In: Small Business Economics, 2022.

Temporality of agency in regional development.

Grillitsch, Markus; Asheim, Bjørn; Nielsen, Hjalti.
In: European Urban and Regional Studies, Vol. 29, No. 1, 2022, p. 107-125.

Tendencies towards integration and disintegration of the entrepreneurial ecosystem: an institution-based view of the dynamics.

Pocek, Jasna.
In: European Planning Studies, Vol. 30, No. 12, 2022, p. 2575-2594.

The consequences of timing norms and term limits on local agency.

David, Lucinda.
In: Environment and Planning A, Vol. 54, No. 1, 2022, p. 122-135.

The emergence of artificial intelligence in European regions: the role of a local ICT base.

Xiao, Jing; Boschma, Ron.

In: Annals of Regional Science, 2022.

The employment implications of additive manufacturing.

Felice, Giulia; Lamperti, Fabio; Piscitello, Lucia.

In: Industry and Innovation, Vol. 29, No. 3, 2022, p. 333-366.

The Evolution of Capabilities Underpinning Business Model Innovation for Sustainability in Large Incumbent Firms.

Wadin, Jessica Lagerstedt; Bengtsson, Lars.

In: International Journal of Innovation Management, Vol. 26, No. 5, 2240006, 2022.

The key to scaling in the digital era: Simultaneous automation, individualization and interdisciplinarity.

Gartner, Johannes; Maresch, Daniela; Tierney, Robert.

In: Journal of Small Business Management, 2022.

The role of blogs and news sites in science communication during the COVID-19 pandemic.

Fraumann, Grischa; Colavizza, Giovanni.

In: Frontiers in Research Metrics and Analytics, Vol. 23, 2022.

The role of initial and gradual trust in growing and unlocking regional industrial specialisations.

Grillitsch, Markus; Nilsson, Magnus.

In: Industry and Innovation, Vol. 29, No. 7, 2022, p. 825-846.

To teach or not to teach? Junior academics and the teaching-research relationship.

Cenamor, Javier.

In: Higher Education Research and Development, Vol. 41, No. 5, 2022, p. 1417-1435.

Towards a holistic user innovation policy.

Edquist, Charles; Bengtsson, Lars.

In: International Journal of Innovation Studies, Vol. 6, No. 1, 2022, p. 35-52.

Transforming universities to address grand societal challenges: A case study of organisational and institutional change at Lund University.

Göransson, Bo; Chaminade, Cristina; Bayuo, Blaise Boonoyeng.

In: International Journal of Intellectual Property Management, Vol. 12, No. 1, 2022, p. 13-41.

Universities and start-up creation by Ph.D. graduates: the role of scientific and social capital of academic laboratories.

Muscio, Alessandro; Shibayama, Sotaro; Ramaciotti, Laura.

In: Journal of Technology Transfer, Vol. 47, No. 1, 2022, p. 147-175.

Varieties of periphery and local agency in regional development.

Nilsen, Trond; Grillitsch, Markus; Hauge, Atle.

In: Regional Studies, 2022.

What's interesting in entrepreneurial education research? Identifying conversants sharing common interests in the field.

Landström, Hans; Gabrielsson, Jonas; Politis, Diamanto et al.

In: International Journal of Entrepreneurial Behaviour & Research, Vol. 28, No. 9, 9, 2022, p. 104-131.

Where did all the money go? Funding, personnel and expenditure in Swedish universities and colleges 2001–21.

Hallonsten, Olof.

In: Quality in Higher Education, 2022.

A method to identify barriers to and enablers of implementing climate change mitigation options.

Steg, Linda; Veldstra, Janet; de Kleijne, Kiane et al.

In: One Earth, Vol. 5, No. 11, 18.11.2022, p. 1216-1227.

A review of the Development Trend of Personalized learning Technologies and its Applications.

Ambele, Raiton Malema; Kaijage, Shubi Felix; Dida, Mussa Ally, Lena Trojer, Newton M. Kyando

In: International Journal of Advances in Scientific Research and Engineering, Vol. 8, No. 11, 16.11.2022, p. 75-91.

The geography of connectivity: a review of mobile positioning data for economic geography.

Erlström, Andreas; Hall, Ola; Grillitsch, Markus.

In: Journal of Geographical Systems, Vol. 24, No. 4, 10.2022, p. 679–707.

Globalisation in reverse? Reconfiguring the geographies of value chains and production networks.

Gong, Huiwen; Hassink, Robert; Foster, Christopher et al.

In: Cambridge Journal of Regions, Economy and Society, Vol. 15, No. 2, 01.07.2022, p. 165-181.

A global overview of biodiversity offsetting governance.

Droste, Nils; Alkan Olsson, Johanna; Hanson, Helena et al.
In: Journal of Environmental Management, Vol. 316, 115231, 09.05.2022.

Plastics and climate change breaking carbon lock-ins through three mitigation pathways.

Bauer, Fredric; Nielsen, Tobias; Nilsson, Lars J et al.
In: One Earth, Vol. 5, No. 4, 15.04.2022, p. 361-376.

The 'yawning abyss' between surface and substance: Organizational life as 'pseudo-reality'.

Hallonsten, Olof.
In: Scandinavian Journal of Management, Vol. 38, No. 2, 101210, 06.2022

Special section editorial: Looking back to look forward: the entrepreneurship research in Latin America.

Amorós, José Ernesto; Guerrero, Maribel; Sepúlveda, Jean.
In: Management Research, Vol. 20, No. 1, 03.2022, p. 1-5.

Introducing Oxford Open Energy and the energy quest.

Lund, Peter D.; Anderson, C Lindsay; Costa Figueiredo, Marta et al.
In: Oxford Open Energy, Vol. 1, No. 1, 1, 10.01.2022, p. 1-3.

Editorial: developments at the Annals of regional science 2020–2021.

Andersson, Martin; Kim, Brian H.S.; Kohlhase, Janet E.
In: Annals of Regional Science, Vol. 68, No. 1, 2022.

Emerging industries: institutions, legitimacy and system-level agency.

Gong, Huiwen; Binz, Christian; Hassink, Robert et al.
In: Regional Studies, Vol. 56, No. 4, 2022, p. 523-535.

Can foundational economy save regions in crisis?

Mikhail Martynovich, Teis Hansen, Karl-Johan Lundquist
In: Journal of Economic Geography, 2022, Ibac027, 12.10.2022

BOOKS AND BOOK CHAPTERS

Time in Motion: Transports Between Prisons as Planned, Lived and Experienced Time.

Svensson, Kerstin; Knutagård, Marcus.
Time and Punishment: New Contexts and Perspectives. Palgrave Macmillan, 2022. p. 117-142 (Palgrave Studies in Prisons and Penology).

Etnifiering av social utsatthet.

Angelin, Anna; Hjort, Torbjörn; Knutagård, Marcus et al.
Socialt arbete i förändring : utmaningar och villkor inom utbildning, forskning och praktik. ed. Anna Angelin; Torbjörn Hjort. 1. ed. Lund: Lunds universitet, Samhällsvetenskapliga fakulteten, 2022. p. 429-442.

What Feminist Technoscience can bring to Innovation towards Sustainability.

Trojer, Lena.
Innovation, Entrepreneurship and women. ed. Sandra Misiak-Kwit; Kelaniyage Shihan Dilruk Fernando. Vol. 5 1. ed. Szczecin : Szczecin University Press, 2022. p. 39-47 (Winnet Centre of Excellence Series; No. 5).

Why getting people in the same room isn't enough – Organizational proximity and learning in public transport innovation.

Fred, Mats; Mukhtar-Landgren, Dalia; Berglund-Snodgrass, Lina et al.
Experimentation for sustainable transport? Risks, strengths, and governance implications. Boxholm : Linneförs Förlag, 2022. p. 59.

Richard Sennett: Om den nya kapitalismen, samarbete, hantverksskicklighet och öppna städer.

Knutagård, Marcus.
Teorier för socialt arbete: Del 1: Strukturell ojämlikhet och samhällen i förändring. ed. Em Andersson; Tina Mattsson. Gleerups Utbildning AB, 2022. p. 123-136.

The rise and fall of cultural and creative industries policy in Sweden.

Lindqvist, Katja.
Accomplishing Cultural Policy in Europe: Financing, Governance and Responsiveness. Routledge, 2022. p. 35-51 (The Sociology and Management of the Arts).

Accomplishing Cultural Policy in Europe: connections and illustrations.

Mathieu, Chris; Visanich, Valerie.

Accomplishing Cultural Policy in Europe: Financing, Governance and Responsiveness. Abingdon : Routledge, 2022. p. 1-16 (Sociology and Management of the Arts).

Decision-making in a time of spin and unspoken values.

Sahlin, Nils-Eric; Schwaag Serger, Sylvia.

Smart Policies for Societies in Transition: The Innovation Challenge of Inclusion, Resilience and Sustainability. ed. Mats Benner; Göran Marklund; Sylvia Schwaag Serger. Cheltenham : Edward Elgar Publishing, 2022. p. 228-244.

The dynamics and (job) qualities of sustainable work.

Mathieu, Chris; Boethius, Susanne.

Sustainable Work in Europe Concepts, Conditions, Challenges. ed. Kenneth Abrahamsson; Richard Ennals. Peter Lang Publishing Group, 2022. p. 155-176 (Labour, Education and Society).

Job Quality: A Family Affair?

Warhurst, Chris; Wright, Sally; Mathieu, Chris.

Oxford Handbook of Job Quality. Oxford : Oxford University Press, 2022. p. 63-83.

Job Quality Matters.

Warhurst, Chris; Mathieu, Chris; Dwyer, Rachel.

Oxford Handbook of Job Quality. ed. / Chris Warhurst; Chris Mathieu; Rachel Dwyer. Oxford University Press, 2022. p. 1-19.

The Cornerstone of Job Quality: Occupational Safety and Health.

Albin, Maria; Mathieu, Chris; Takala, Esa-Pekka et al.

The Oxford Handbook of Job Quality. ed. Chris Warhurst; Chris Mathieu; Rachel Dwyer. Oxford University Press, 2022.

The role of business angels in the new financial landscape.

Avdeitchikova, Sofia; Landström, Hans.

De Gruyter Handbook of Entrepreneurial Finance. ed. David Lingelbach. De Gruyter, 2022. p. 223-244 (De Gruyter Handbooks in Business, Economics and Finance).

Cross-Border Knowledge Flows through R&D FDI: Implications for Low- and Middle-Income Countries.

Amendolagine, Vito; Chaminade, Cristina; Guimón, José et al.

Trade in Knowledge : Intellectual Property, Trade and Development in a Transformed Global Economy. ed. World

Trade Organisation; Antony Taubman; Jayashree Watal. Cambridge University Press, 2022. p. 352 - 375.

An Optimistic Outlook on Troubled Times: – A conversation with Hal Varian about the future of the digital economy.

Wernberg, Joakim.

Rethinking Boundaries and Revisiting Borders: – Conditions for innovation, entrepreneurship and economic integration in and interconnected world. Entreprenörskapsforum, 2022. p. 133-143.

Foundations and the new renewal of research.

Benner, Mats; Mattsson, Pauline.

Smart Policies for Societies in Transition: The Innovation Challenge of Inclusion, Resilience and Sustainability. ed. Mats Benner; Sylvia Schwaag Serger; Göran Marklund. Edward Elgar Publishing, 2022. p. 213-227.

Introduction: Connectivity, boundaries and borders.

Deiaco, Enrico; Wernberg, Joakim.

Rethinking Boundaries and Revisiting Borders: – Conditions for innovation, entrepreneurship and economic integration in and interconnected world. ed. Joakim Wernberg; Enrico Deiaco. Entreprenörskapsforum, 2022. p. 9-23.

Lagen om digitala marknader.

Wernberg, Joakim.

Achtung Europa!: Reformer för Europa nu!. ed. Emanuel Örtengren. Frivärld - Stockholm Free World Forum, 2022. p. 111-145.

Lillian Gilbreth's Management Desk: Bringing Efficiency Home.

Andersson, Magnus; Gregg, Melissa.

Deskbound Cultures: Media and Materialities at Work. ed. Johan Jarlbrink; Charlie Järpvall. Lund : Mediehistoriskt arkiv, 2022. p. 111-139 (Mediehistoriskt arkiv; No. 53).

Public funding for culture in Sweden.

Lindqvist, Katja.

Cultural policy in the Nordic welfare states: Aims and functions of public funding for culture. ed. Sakarias Soka. Vol. Nord 2022:005 Copenhagen: Nordic Council of Ministers, 2022. p. 113-132.

The Effects of the Academic Environment on PhD Entrepreneurship: New Insights from Survey Data.

Muscio, Alessandro; Shibayama, Sotaro; Ramaciotti, Laura.

University-Industry Knowledge Interactions. ed. Joaquín M. Azagra-Caro; Pablo D'Este; David Barberá-Tomás. Springer Gabler, 2022. p. 179-199 (*International Studies in Entrepreneurship*; Vol. 52).

Towards a smart society? Innovation policy and the challenges of social inclusion, environmental resilience and sustainable growth.

Benner, Mats; Schwaag Serger, Sylvia; Marklund, Göran. *Smart Policies for Societies in Transition: The Innovation Challenge of Inclusion, Resilience and Sustainability*. ed. Mats Benner; Sylvia Schwaag Serger; Göran Marklund. Cheltenham: Edward Elgar Publishing, 2022. p. 1-20.

Decarbonising Economies.

Bulkeley, Harriet; Stripple, Johannes; Nilsson, Lars J et al. Cambridge University Press, 2022. (*Elements in Earth System Governance*).

Entreprenörskap - Från tanke till handling.

Landström, Hans; Löwegren, Marie. Studentlitteratur AB, 2022. 320 p.

Accomplishing Cultural Policy in Europe: Financing, Governance and Responsiveness.

Mathieu, Chris (Editor); Visanich, Valerie (Editor). Abingdon : Routledge, 2022. 228 p. (*Sociology and Management of the Arts*).

The Oxford Handbook of Job Quality.

Mathieu, Chris (Editor); Warhurst, Chris (Editor); Dwyer, Rachel (Editor). Oxford : Oxford University Press, 2022. 624 p.

Rethinking Boundaries and Revisiting Borders: Conditions for innovation, entrepreneurship and economic integration in and interconnected world.

Deiaco, Enrico (Editor); Wernberg, Joakim (Editor). *Entreprenörskapsforum*, 2022. 142 p.

Smart Policies for Societies in Transition: The Innovation Challenge of Inclusion, Resilience and Sustainability.

Benner, Mats (Editor); Schwaag Serger, Sylvia (Editor); Marklund, Göran (Editor). Cheltenham : Edward Elgar Publishing, 2022. 264 p.

Pursuing a Circular Economy in the Danish Waste Sector: Scale and Transition Dynamics in Transformative Innovation Policy.

Madsen, Stine. Lund: Lund University (Media-Tryck), 2022. 174 p.

Management tools for business model innovation – a review

Hussan Munir, Lars Bengtsson, Emil Åkesson
In: Agarwal, R., Green, R., Patterson, E. & Pugalia, S (Eds.): *Innovation, Routledge Series on Ideas in Business and Management*. Routledge, 2022. P. 141-158.

Appendix 2 – Projects ongoing in 2022

DigiCiti: DIGital energy solutions promoting social innovation, Circular economy, climate change mitigation and urban resilience

Nik, V. & Javanroodi, K.

Mistra BIOPATH

Arvidsson, S., Elliot, V., Smith, H., Gipperth, L., Droste, N., Alkan Olsson, J., Stenseke, M., Loor, M., Generosi, J., Sahlin, U., Börjesson, P., Asgharian, H., Andersson, F. N. G., Islar, M., Somsen, J., Svahn, F., Paananen, M., Appelgren, V., Baeckström, Y., Jonäll, K., Dzielinski, M., Liu, L., Jonsson, S., Lundtofte, F., Magnusson, J., Sterner, T., Antonelli, A., Groom, B., Silvestro, D., Balbi, S., Palme, U., Svensson, J., Cao, V. & Lindblad, M.

How prepared are Swedish detached houses to adapt to Climate Change?

Nik, V.

Improving energy efficiency and indoor climate of livestock buildings through passive and active adaptation measures

Nik, V. & Javanroodi, K.

CARUACI: enhancing Climate change Adaptation and Resilience in Urban areas through combining Artificial and Collective Intelligence

Nik, V. & Javanroodi, K.

Research to enable a circular building sector

Janson, U., Johansson, D., Neij, L., Farsäter, K., Samuelsson, P., Utterström, M., Cerne, A., Sönnichsen, S. & Gontia, P.

Stroke under graviditet och efter förlossning

Kremer, C., Marañon, A., Lorenzano, S., Sacco, S., Jönsson, A. & Ilinca, A.

RECO: Resilienta gemenskaper genom hållbar välfärdstransformation

Knutagård, M., Kristiansen, A. & Heule, C

Nature by Numbers - Theme, Pufendorf IAS

Arvidsson, S., Andersson, F. N. G., Corvellec, H., Hultman, J., Nilsson, L. J., Skovgaard, J., Smith, H. & Stålhammar, S.

CHISMA: accounting for Climate change and Health risks in energy System Management

Nik, V.

GReaTr: Governing resilience and transformation

Schwaag Serger, S., Andersson, M., Rohne Till, E., Axelsson, T. & Wise, E.

Inga enkla lösningar på komplexa problem – Styrring och ledning samt förutsättningar och hinder för samverkan och implementering av multidisciplinära vårdteam för äldre med omfattande behov

Glenngård, A., Anell, A., Funck, E. & Frid, K.

Juridiken bortom "skolmarknaden": Fristående skolor som hybridorganisationer

Hallonsten, O. & Sevelin, E.

Bio+: The role of bioenergy to achieve energy and climate goals – an assessment of a changeable function in a dynamic energy system

Börjesson, P., Björnsson, L., Nilsson, L. J. & Nikoleris, A.

ForPol: Transdisciplinary co-production in forest policy research

D'Amato, D., Droste, N., Ekström, H., Iliev, B. E., May, W. & Thomsen, M.

SSKe: SSKe Storskaliga, Samordnade Kundanpassade ehandelsleveranser

Nilsson, F. & Silva, N.

The Gigification of Work - Quo Vadis?

Rosengren, C., Selberg, N., Schaefer, S., Persson, J., Andersson, M., Håkansson, C. & Ottosson, M.

Empirical research project on functional public procurement

Edquist, C. & Bengtsson, L.

The transition to a low-carbon economy – focusing on deployment, local learning and soft cost of low-carbon technologies in Sweden

Neij, L. & Sandin Lompar, S.

GreenPole: Green forest policies: a comparative assessment of outcomes and trade-offs across Fenno-Scandinavia

Droste, N., D'Amato, D., Ekström, H., Iliev, B. E., May, W. & Thomsen, M.

BECC AG: Social and ecological context of climate change adaptation for biodiversity

Ekroos, J., Sidemo Holm, W., Nicholas, K., Perrigo, A., Droste, N., Olsson, P. A. & Coria, J.

Digitized heat grid monitoring and scenario-based design using AI and ML

Nik, V.

Spaces and humans as services

Andersson, M.

MiljöPolStöd: The effect of environmental policies on voter support in Sweden

Droste, N. & Henriks, S.

GlyphoSentiment: Glyphosate in social media - a spatio-temporal analysis of twitter controversies among European stakeholders

Droste, N., Dupoux, M., Boke Olén, N., Simaki, V., Abdi, H. & Rundlöf, M., Bossetta, M.

Mot en offentlig utvallskultur?

Fred, M., Hall, P., Mukhtar-Landgren, D. & Nordesjö, K.

DIHECO: Digital Healthcare ECOsystem research and innovation capability building

Boethius, S. & Mathieu, C

Financing industrial decarbonisation: Managing risks and uncertainties to promote green investments in energy intensive industry

Andersson, F. N. G., Arvidsson, S., Fischer, T., Moursli, R., Bauer, F., Månberger, A., Nilsson, L. J., Skovgaard, J., Hildingsson, R. & Park, H.

Acquisitions for experimentation: the impact of acquisitions of deep tech ventures on the capability creation and transformation of incumbent technology firms

Xiao, J. & Lindholm Dahlstrand, Å.

Ekosystemanalys av Skånes specialiseringsområden / Ecosystem analysis of specialization areas in Skåne

Nilsson, M., Rekers, J., Grillitsch, M., Salomonson, J. & Du Priest, L.

Petrochemicals and Climate Change: Literature Review

Bauer, F., Kulionis, V., Finkill, G. D., Pfister, S. & Oberschelp, C.

STEPS Phase 2: STEPS – Sustainable Plastics and Transition Pathways, Phase 2

Hatti-Kaul, R., Egan, N., Generosi, J., Hulteberg, C., Bauer, F., Zhang, B., Englund Örn, O., Sayed Ali Sayed, M., Hagman, A., Leiva Eriksson, N., Pyo, S., Madsen, S., Palm, E., Nilsson, L. J., Ericsson, K., Stripple, J., Holmberg, K., Liu, J., Molina-Besch, K., Mankar, S., Warlin, N., Nguyen, T., Nordin, A., Dash, S., Jannasch, P., Karlsson, H., Abdelaziz, O., Garcia Gonzalez, N., Peric, S., Valsange, N. & Rehnberg, N.

The role of regional anchors in industrial growth and transformation

Nilsson, M., Schubert, T. & Miörner, J.

Petrochemicals and Climate Change: Mapping Power Structures

Bauer, F., Nielsen, T., Skovgaard, J., Tilsted, J. P., Finkill, G. D., Åhman, M., Deere Birkbeck, C. & Cortat, L.

DUS: Den (ut)forskande staden

Andenskog, M., Bergman, A., Dahl, P., Sandström, I., Alvehus, J., Johansson, Y., Ekstam, L., Ledendal, J., Åkerström, M. & Cepaite Nilsson, A.

SWINNO 3.0 Significant Swedish technological Innovations from 1970 until now

Taalbi, J., Chaminade, C., Fink, J., Hylmö, A., Kander, A., Kreutzer, P. J., Torregrosa Hetland, S., van der Most, F., Kilicaslan, A., Krumova, R. & Nyqvist, J.

Adapting digital healthcare platforms to the needs of elderly patients

Frishammar, J., Cenamor, J. & Essén, A.

BIC: Building Innovation Capacity

Lindholm Dahlstrand, Å., Bengtsson, L. & Wadin, J.

Innovationsarbetets organisering: Att lära från pilotprojekt och testlab

Fred, M., Mukhtar-Landgren, D., Paulsson, A. & Berglund-Snodgrass, L.

Organizing innovation: learning from pilots and testlabs

Mukhtar-Landgren, D., Paulsson, A., Fred, M. & Berglund-Snodgrass, L.

Sustainable development in Small Island Developing States

Hillbom, E., Chaminade, C., Palacio, A. & Tegunimataka, A.

Ups and Downs in Mental Health – En ny flexibel vård och stödmodell för ökad hälsa och fungerande i vardagen bland personer med alarmerande och komplexa behov av psykisk hälsa

Bejerholm, U., Lexén, A., Westling, S., Lindqvist, D., Cruce, G., Argentzell, E., Knutagård, M. & Larsson, A. E.

An experimentally organised economy: The role of Entrepreneurial Experimentation

Nilsson, M., Lindholm Dahlstrand, Å., Schubert, T., Grillitsch, M., Andersson, M., Xiao, J. & Carlsson, B.

CLUE: Concepts, planning, demonstration and replication of Local User-friendly Energy communities

Palm, J., Libertson, F. & Neij, L.

Förstärkt cancerrehabilitering

Sandén, U., Nilsson, F., Magnusson, C., Persson, J., Harrysson, L., Thulesius, H. & Hagglund, M.

Mobile Socialities

Hill, A., Andersson, M., Hartmann, M., Schofield, L. & Polsson, E.

Främjar eller avskräcker dagens forskarutbildning vetenskapligt pionjärskap?

Mattsson, P. & Shibayama, S.

Resilience to Economic Shrinking - A social capability approach to processes of catching up in the developing world since the 1950s

Andersson, M., Rohne Till, E., Axelsson, T., Palacio, A., Martins, I., Kenny, S., Schwaag Serger, S. & Lopez Jerez, M.

Urban Social Innovation: A Framework for Welfare in Transition

Knutagård, M.

High-impact entrepreneurship in entrepreneurial eco-systems – Exploring system effects of incubator ventures

Politis, D. & Pocek, J.

Resistance and effect – on smart grids for the many people

Palm, J., Kojonsaari, A. & Neij, L.

Enhanced Value Creation and Credibility of Sustainability Information

Arvidsson, S., Boyd, E., Bocken, N. & Nilsson, L. J.

ACORE: Agents of Change in Old-industrial Regions in Europe

Grillitsch, M., Stihl, L., Kinossian, N., Morgan, K., Nagy, E., Hruska, V., Görmar, F., Saunders, A., Pisa, J. & Mihály, M.

FlexiSync: Flexible energy system integration using concept development, demonstration and replication

Nik, V. & Javanroodi, K.

Small science on big machines: Patterns of collaboration and use of contemporary large neutrons and x-rays research infrastructures

Hallonsten, O. & Åström, F.

TRANSFORM

Ness, B.

Scanian homes: Reception, settlement or rejection – homelessness policies and strategies for refugee settlement

Knutagård, M., Kristiansen, A., Runquist, W. & Sahlin, I.

Take away – disinvestment of established methods when implementing new psychosocial interventions for homeless people and people with mental health problems

Denvall, V., Knutagård, M., Carlsson Stylianides, K., Bejerholm, U. & Johanson, S.

AFM: Alternative Food Markets: Promoting new modes of food provisioning and consumption

Fuentes, C., Fuentes, M. & Bååth, J.

Könsskillnader i behandlingsresultat och hälsotillstånd efter akut strokebehandling

Kremer, C., Marañon, A., Ramgren, B. & Jönsson, A.

BIOECONOMY Graduate Research School

Koca, D., Hatti-Kaul, R., DHertefeldt, T., Akselsson, C., Ness, B., Hansen, T., Mont, O., Hildingsson, R. & Frödin, O.

STIPP: Swedish Transformative Innovation Policy Platform

Fünfschilling, L., Bergek, A., Hellsmark, H., Moodysson, J., Karltorp, K., Fridholm, T., Rohracher, H. & Hansen, T.

Viable Cities

Mccormick, K. & Neij, L.

Policies and Systems for Sustainable Buildings

Neij, L.

Hållbar utveckling av biobränslebaserad kraft- och värmeproduktion ur omvärlds- och energibolagsperspektiv

Pettersson, M., Björnsson, L., Börjesson, P., Bauer, F. & Fransson, L.

Institutional capacity building for relevant management and economics research of high quality towards sustainable socio-economic transformation of Rwanda.

Göransson, B. & Chaminade, C.

Piloter för omställning av transportsektorn genom energieffektiv bebyggelse

Mukhtar-Landgren, D.

An experimentally organised economy: A Proposal for a Strategic Knowledge Platform

Lindholm Dahlstrand, Å.

Made With Equity: Inclusive Innovation in Advanced Manufacturing

Sophie Kelmenson, Tanu Kumar, Nichola Lowe

Innovation Engineering (146410 LT.SIDA.Bolivia)

Lena Trojer

Fostering innovation for sustainable socio-economic (143291 LT.SIDA.Tanzania)

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