



LUND
UNIVERSITY

Annual Report 2013

CIRCLE | LUND UNIVERSITY





Annual Report 2013

*Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE),
Lund University*

Sölvegatan 16, Box 117, 221 00 Lund, SWEDEN

TABLE OF CONTENTS

TABLE OF CONTENTS	2
1. LETTER FROM THE DIRECTOR OF CIRCLE	3
2. ACHIEVEMENTS BY CIRCLE 2013	4
3. RESEARCH AT CIRCLE	8
3.1 TOWARDS A RESEARCH VISION FOR CIRCLE	8
3.2 RESEARCH PLATFORMS.....	9
3.3 POLICY RELEVANCE OF CIRCLE RESEARCH	14
3.4 NEW AND ONGOING PROJECTS AT CIRCLE.....	16
3.4 CITATION ANALYSIS FOR CIRCLE 2013	19
4. RESEARCH OUTPUT BY CIRCLE EMPLOYEES	20
5. TEACHING AND SUPERVISION BY CIRCLE EMPLOYEES	44
6. INTERACTION WITH SOCIETY BY CIRCLE EMPLOYEES	54
7. SOCIAL ACTIVITIES AT CIRCLE	60
8. APPENDIX	61

1. LETTER FROM THE DIRECTOR OF CIRCLE

2014 will be a very special year for CIRCLE, as we will celebrate our 10th anniversary. Numerous events will be organized this year to commemorate this milestone in the evolution of our institute. In its 10-year existence, CIRCLE has managed to become an international leading academic research institute in Innovation Studies. This international leading position of CIRCLE is confirmed by the second highest ranking of research output in the area of Innovation Studies world-wide according to REPEC, about which you can read more in this report.

Also 2013 has been an outstanding year for CIRCLE. The mid-term evaluation of the first phase of VINNOVA funding went very well. CIRCLE was appraised for, among other things, the high scientific quality of its publications, its 'excellent staff of researchers', and its diversity of research competences. This evaluation secured our basic funding from VINNOVA for another three years. In 2013, CIRCLE also started up 8 new research projects worth 22 million SEK in total. This bears witness to our outstanding fund raising capacity. And a brand new research platform on Sustainable Transitions has been established which is coordinated by Lars Coenen.

CIRCLE also strengthened further its research capacity in 2013: Michaela Trippel and Torben Schubert were appointed associate professors, Elisa Giuliani joined as new guest professor, while the guest professorship of Susana Borrás was further extended. Lucinda David and Niclas Lavesson joined CIRCLE as new PhD students, while Mareille Walter and Elena Zukauskaitė successfully defended their PhD theses. New recruitments are under way, like the employment of Koen Frenken as new guest professor, Elena Zukauskaitė as a new post-doc, and Pierre-Alex Balland as a guest researcher. And CIRCLE organized several successful international academic events in Lund in 2013: the Eu-SPRI Early Career Researcher conference, the Innovation, Entrepreneurial Universities and Economic Development conference, and the National PhD course in Economic Geography. Many of CIRCLE's best researchers won prizes and awards in 2013, which are too many to be mentioned here (see page 5).

In the meantime, CIRCLE has also initiated new developments. We are in the midst of exploring opportunities to solve some of our structural problems, like the low level of basic funding from Lund University, the lack of our own PhD program in Innovation Studies, and a shortage of structural teaching opportunities for our own staff. CIRCLE has also set in motion a reactivation of the dormant master program in Society, Science and Technology, under the umbrella of the ESST-consortium. Moreover, a new head of Administration will be appointed this summer, to replace Christina Bratt as she retires. A restructuring of the administration of CIRCLE will be made in order to better accommodate the growing size and complexity of CIRCLE. And we are currently working on a new Research Vision for CIRCLE (see more on that on page 8).

CIRCLE researchers contribute immensely to the dissemination of their research results to policy makers and society at large, like writing policy reports, debate articles, and organizing workshops for policy makers, among other activities. We aim to undertake more efforts to further improve dissemination activities, to reach out better to policy makers, especially at the national scale, and to ensure that new research findings will reach policy makers. For this purpose, the website of CIRCLE has improved significantly: it looks more appealing, and all staff members now have the possibility to update their own web page. Our Policy Advisory Board also fulfils a key role in that respect.

All in all, there are quite a number of challenges ahead of us, but I am fully confident that CIRCLE will make the best out of that, and will enter a new decade of success.

Ron Boschma, 19 February 2014

2. ACHIEVEMENTS BY CIRCLE 2013

RESEARCH

During 2013, CIRCLE researchers published 48 peer-review journal articles, 8 books, 25 book chapters and 47 CIRCLE working papers (downloadable at <http://www2.circle.lu.se/publications/working-papers/>). CIRCLE started eight new projects that, together, account for 22 173 404 SEK. Total budget for 2013 was 37 million SEK, the major share of which – 27 million SEK – is from external funding.

CIRCLE organized several international academic conferences which were highly attended and appreciated by the academic community. Among the most notable examples are:

- Innovation, Entrepreneurial Universities and Economic Development, 2013 May, Lund University (co-organized with the Swedish Entrepreneurship Forum).
- Eu-SPRI Early Career Researcher Conference, 2013 October, Lund University.
- Uddevalla Symposium, 2013 June, the Kauffman Foundation, Kansas City, MO, USA.
- Triple Helix International Conference 2013 July, Big Innovation Centre; Birkbeck, University of London; and UCL Advances.

CIRCLE organized weekly seminars in 2013, wherein researchers from the universities all over the world presented their most recent work. Dr. Frank Neffke (Harvard University) presented a paper on *The workforce of pioneer plants*; Prof. Martin Kenney (University of California) gave a seminar on *Signaling Legitimacy to Foreign Investors: Evidence from Chinese IPOs on U.S. Markets*; Prof. Koen Frenken (Eindhoven University of Technology) made a presentation *Towards a prospective transition framework. A co-evolutionary model of sociotechnical transitions and an application to car sharing in The Netherlands*; Dr. Jun Jin (Zhejiang University) gave a seminar *Patterns of R&D Internationalization in Developing Countries: China as a Case* – just to mention a few. For more information about CIRCLE seminars please visit our blog: <http://circlelund.wordpress.com/>.

The relevance of CIRCLE for the academic community of innovation studies and entrepreneurship researchers is also visible in the increasing number of citations to publications by CIRCLE researchers (See Table 3 for details).

The academic strength and international leading position of CIRCLE is also confirmed by the second highest ranking (after MERIT, which was ranked as No. 1) of research output according to REPEC, a ranking service hosted by the Research Division of the Federal Reserve Bank of St. Louis. Despite the fact that this ranking focuses on economics (CIRCLE is multi-disciplinary) where CIRCLE has only 31 researchers registered, CIRCLE is ranked as No. 12 (as of December, 2013) in the field of innovation, ahead of well-known centres in this field at University of Aalborg (No. 32), SPRU at University of Sussex (No. 27), Imperial College (No. 33), CBS (No. 42), CESIS at KTH/Jönköping (No. 74), and Manchester Business School (No. 93). Among the 11 institutions ranked ahead of CIRCLE, 7 are coming from the US, and the rest are mostly large departments of economics and management at European universities in Britain, Belgium and the Netherlands. Thus, CIRCLE has truly established itself as a top international centre within the research area of innovation studies.

In 2013, CIRCLE received the mid-term evaluation of the first phase of VINNOVA funding. The diversity of research competences and experiences CIRCLE was appreciated in the evaluation. It was also pointed out that CIRCLE is in a good position to react to present “real-time” economic and policy developments in Sweden. However, it was recommended that CIRCLE further improve its dissemination activities to ensure that important research results reach policy makers. This is planned to be done via more frequent

interactions between CIRCLE and VINNOVA. Some actions were already made into that direction. VINNOVA representatives visited CIRCLE and CIRCLE researchers stayed in VINNOVA facilities and discussed areas where CIRCLE's experience could be especially important. One of VINNOVA's recommendations for CIRCLE is to develop a dedicated PhD program to strengthen longer-term impacts on policy and society at large. Throughout 2013, CIRCLE continued its negotiations with LU regarding this issue.

This positive evaluation was also affirmed by prizes and awards our researchers received in 2013.

- Martin Andersson: Highly Commended Award Winner at the Emerald Literati Network for Research Excellence.
- Ron Boschma: Honorary Doctorate in the Natural Science from Marburg University.
- Jonas Gabrielsson: Best Reviewer Award
- Roman Martin: Post-Doctoral research grant from Jan Wallanders and Tom Hedelius Foundation
- Anders Billström, Torben Schubert, Susana Borrás, Charles Edquist, Lars Coenen, Elisa Giuliani: Best Paper Award in different conferences and journals.

CIRCLE research also benefited from new employees and visiting guest researchers in 2013. Michaela Trippel and Torben Schubert began their employment as associate professors at CIRCLE. Jannika Mattes joined CIRCLE as a researcher, Elisa Giuliani as a guest professor. Prof. Nicholas Vonortas (The George Washington University) and Dr. Jun Jin (Zhejiang University) visited CIRCLE as guest researchers during 2013.

TEACHING

CIRCLE has continued providing master and PhD level education in collaboration with other faculties at LU as well as other universities. At the end of 2013 CIRCLE had 11 PhD students. Lucinda David and Niclas Lavesson started their PhD studies in 2013 in collaboration with the Department of Human Geography, LU. Two PhD candidates defended their PhD studies:

- Mareile Walter: *Making Plans – Telling Stories: Planning in Karlskrona/Sweden 1980 – 2010*.
Opponent: Prof. Tore Sager, NTNU Trondheim.
- Elena Zukauskaitė: *Institutions and the Geography of Innovation: A Regional Perspective*.
Opponent: Prof. Meric Gertler, University of Toronto.

CIRCLE together with Norwegian Business School and Norwegian University of Science and Technology has also been actively involved in the development of the Norwegian Research School in Innovation (NORSI). NORSI provides an internationally competitive PhD program in innovation, and consists of a research network of Norwegian universities and colleges, leading institutions in Scandinavia, as well as top international universities in the United States, Europe and Asia. NORSI consists of two PhD programs – Program in Innovation Management and Innovation Strategy (PIMS) and Program in Innovation and Growth (PING). Prof. Björn Asheim is primarily responsible for the PING program. Other researchers at CIRCLE (M. Andersson, T. Jung, J. Fagerberg, J. Moodysson, L. Coenen) were involved in the designing and teaching of PhD courses. Some of the courses were hosted at CIRCLE, while others in Norwegian Business School or the other collaborating universities (Trondheim, Agder). CIRCLE PhD students took some of the NORSI courses as a part of their PhD program. CIRCLE hosted several visiting PhD students: Olga Fernholtz (University of Nottingham), Xabier Alberdi (Deusto Business School), and Iryna Kristensen (University of Salzburg).

During 2013, CIRCLE was one of the organizers of the National PhD course in Economic Geography. The course is jointly arranged by economic geographers at the universities of Lund, Göteborg and Uppsala and has been held since 1997. The course was structured around 2-days meetings in each of the organizing universities where contemporary research in economic geography was discussed during the lectures and seminars.

CIRCLE has been involved in two master programs. In collaboration with the Department of Production Economics, LTH, CIRCLE has contributed to the program Business and Innovation. CIRCLE has been responsible for three courses within the program: Entrepreneurship in New and Established Ventures, Innovation Management and Globalization and Innovation. CIRCLE has provided three courses: Economics of Innovation, Small Business Economics, Regional Development and Entrepreneurship within the master program Economic Growth, Innovation and Spatial Dynamics, offered by the School of Economics and Management.

INTERACTION WITH SOCIETY AND POLICY MAKERS

CIRCLE has two organizational activities dedicated specifically to interaction with stakeholders/policy-makers. The first, and most comprehensive, is the CIRCLE Policy Advisory Board. It met regularly during 2013 and discussed policy issues in the field of innovation and the kind of research that members of the board believe are needed for underpinning the design and implementation of policies. (For more information: <http://www2.circle.lu.se/about/policy-advisory-board/>).

The second organizational activity dedicated to dialogue with policy-makers is the Knowledge Exchange Forum co-organized with Region Skåne's Department of Economic Development & Innovation. The forum met twice in 2013 to discuss research as well as policy issues specifically related to regional development.

CIRCLE researchers contributed to the dissemination of research results to the policy makers and society at large by writing policy reports, debate articles, and organizing workshops for policy makers, taking various assignments in policy boards and providing comments to the journalists.

In total 18 policy reports were written by CIRCLE staff. They cover variety of themes such as start-up companies, economic growth, regional development, smart specialization, academic entrepreneurship, university-industry cooperation, gender equality and others. Concrete examples include *Varifrån kommer de nya tillväxtföretagen – en systematisk analys av nyföretagande i Sverige*, the Swedish Economic Forum Report, *Regional branching and smart specialization policy*, IPTS, *Centres of excellence as a tool for capacity building*, OECD, *Jämställdhet – företagsstöd inom landsbygdprogrammet 2007-2012*, Jordbruksverket.

CIRCLE researchers wrote 10 debate articles in 2013. The most common theme was innovation policy in Sweden or other countries. Other topics included climate policy, manufacturing policy, research commercialization, the issue of brain drain. Concrete examples are: *Inrätta ett råd för innovationspolitik*, *Svenska Dagbladet*; *Den svenska regeringen missar innovationspolitiken*, *Dagensnyheter*; *Vedertagna utsläppsmått leder till fel klimatpolitik*, *DN Debatt*. In addition, CIRCLE researchers provided comments and gave interviews to the journalists on various topics related to innovation, entrepreneurship and policy making.

CIRCLE researchers organized 6 workshops for policy makers including Swedish Board of Agriculture, Ministry for Rural Affairs, local stakeholders in Emden (Germany) and others. They took assignment as consultants for OECD, special advisers for Statistics Sweden and for the Centre of Competence on Rural Development (Norway). Other roles include chairman of the Expert Council set up by Statistics Sweden on Innovation Statistics, member of Danish Council for Research Policy, member of the Advisory Board for Innovation Procurement at the Region Skåne, member of the General Evaluator Panel for Sweden's 'Strategic innovation areas, proposals to establish and implement SIO programmes' (VINNOVA and Energimyndigheten).

3. RESEARCH AT CIRCLE

3.1 TOWARDS A RESEARCH VISION FOR CIRCLE

CIRCLE is one of the largest research institutes on Innovation Studies in Europe. Research at CIRCLE aims to understand how innovation can help tackle societal challenges, like economic crises, climate change or increased globalization of economic activities. This requires understanding of how knowledge is created and diffused in organizations, networks, regions and countries, how knowledge is turned into innovations, and which conditions promote the diffusion of innovation to enhance its impact on society.

CIRCLE covers a range of research topics in Innovation Studies which are organized around 5 research platforms: (1) Innovation and Entrepreneurship (coordinator Prof. Åsa Lindholm-Dahlstrand); (2) Innovation, Skills and Strategies (coordinator Prof. Martin Andersson); (3) Innovation Systems and Innovation Policy (coordinator Prof. Bjorn Asheim); (4) Globalization of Innovation (coordinator Prof. Cristina Chaminade); and (5) Sustainable Transitions (coordinator Dr. Lars Coenen). Platforms interact and collaborate because Innovation Studies is a research field that is inter-disciplinary by nature. Still, each platform has its own research focus to ensure the build-up of specific expertise and specialization.

CIRCLE has a unique research profile on Innovations Studies in Europe. This profile is grounded in an actor-based approach with an emphasis on individuals and organizations and how their innovative behaviour is conditioned by network interactions and institutions. Particular attention is paid to how their learning and innovation capacity is shaped under different geographical settings (regional, national & global). Research at CIRCLE is largely based on rich sets of micro-data.

CIRCLE is well known internationally because of its systemic approach to innovation and innovation policy. To push this research agenda, a next step is to analyse Innovation Systems from a network approach, as new insights and tools from network theory have become available. New research objectives are: (1) to develop the concept of Entrepreneurial System, as to understand better how innovative entrepreneurship may be enhanced; (2) to develop the notion of Systemic Transitions, as to understand better how systems can be transformed to enable sustainable development; (3) to analyze Global Networks of Innovation, so as to understand better global innovation networks and its interactions with regional and national innovation systems.

CIRCLE is also well known internationally because of its spatial approach to innovation, especially on National and Regional Innovation System. New research objectives are: (1) to integrate this spatial approach to innovation more explicitly with the network approach, like, for instance, in the study on Global Networks of Innovation; (2) to apply a multi-spatial level perspective, as to determine the extent to which innovation processes are affected by structures (like networks and institutions) at the regional, national and/or international scale; (3) to apply a more evolutionary approach, as to determine the extent to which countries, regions and organizations can deviate from their past in order to develop new activities.

3.2 RESEARCH PLATFORMS

INNOVATION AND ENTREPRENEURSHIP

The interest in research-based knowledge about entrepreneurship and innovation has increased dramatically the last years. This interest is to a large extent driven by the key influences of entrepreneurship and innovation as main drivers of job creation, regional development, industrial renewal and long-term economic growth. Adding to this, there is an increasing demand among academic researchers, business leaders and policy makers for a better understanding of how processes of entrepreneurship and innovation are interconnected at various levels in society.

The platform innovation and entrepreneurship focuses on linking together the two areas of entrepreneurship and innovation. Despite common roots in Schumpeter and some common points of interest in innovation management and innovative new companies, the two subjects have, over time, evolved as relatively autonomous fields of research. Platform research aims to bridge this gap and create a closer link between the two areas of entrepreneurship and innovation studies.

Few new ventures are very innovative, and not all inventions create opportunities for commercial success. Despite of this, there are many obvious connections between entrepreneurship and innovation, both of which are strongly linked to economic growth and renewal; there is also an overlap between the concepts and the distinction between them is unclear. Entrepreneurial activity is a key factor in the utilization and commercialization of different types of opportunities. To increase knowledge about what creates and drives economic growth requires a greater understanding of the role of entrepreneurship in the innovation processes.

To increase the understanding of the role of entrepreneurship in the innovation processes the focus of our research is on linking innovation and entrepreneurship, including studies of 'innovative entrepreneurial firms'. This involves developing theories of an "entrepreneurial system" and how this relates to different types of "innovation systems". The concept of "entrepreneurial systems" is relatively new and not yet fully addressed in the literature, and, thus, we want to increase knowledge about the system properties that are essential to make these processes work well and contribute to economic growth. There is a need to know more about, e.g.:

- How can entrepreneurial systems be defined? How can we measure the strength of entrepreneurial systems, including the mapping of actors, networks and institutions? How are entrepreneurial systems and innovations systems linked to each other?

Moreover, we need to know more about the role of innovative entrepreneurship in the entrepreneurial system. This includes analyzing the importance of research- and technology-based spin-offs from established companies and universities, and the acquisition of these, as mechanisms for how research can and will benefit society. For this we need a better understanding of knowledge based and academic entrepreneurship, as well as on innovation and SME growth in different sectors. This includes questions:

- How can a taxonomy of innovative entrepreneurship be developed? What are the main drivers of innovative entrepreneurship in entrepreneurial systems?
- What are the respective roles of established corporations and universities in the entrepreneurial system, e.g.:
 - as spin-off parents for new innovative firms?
 - as acquirers of new innovative firms?
 - as well as for radical renewal and long term growth of the system itself?

INNOVATION SKILLS, STRATEGIES AND INDUSTRY RENEWAL

The platform focuses on how individual skills and competencies, firms' resource bases and institutional framework conditions interact in shaping innovation processes and industry renewal. A large part of the research consists of micro-econometric analyses using longitudinal micro-level data, with a focus on identification, evaluation and comparison. The research is organized around two overlapping themes:

- Allocation, accumulation and diffusion of skills and competencies
- Strategies of innovating firms and economy-wide growth and development

Allocation, accumulation and diffusion of skills and competencies

Modern technological change is, to a large extent, skill-biased and favours innovation skills and competencies by increasing their relative productivity and demand. Many countries in the world indeed experience increasing income gaps between skilled and unskilled workers. Similarly, there is persistent divergence between countries and regions which appear to non-trivially depend on their ability to attract and retain workers with skills and competencies pertaining to innovation. But how are such skills developed and accumulated? What determines their allocation in the economy? What is their role in explaining innovation outcomes of firms? When and how can policy influence the processes by which innovation skills and competencies are accumulated and spread in the economy?

This theme aims to open up the "black box" of how skills and competencies related to innovation and technology development are accumulated, allocated and diffused in the economy. A basic premise is that skills and competencies ultimately reside in individual workers and are typically not reducible to education. Accumulation and diffusion of skills and competencies are accordingly analysed through micro-oriented studies of career paths, inter-firm mobility, geographic migration patterns as well as workplace peer effects and 'on-the-job-learning' of inventors and other types of white-collar workers. Studies of allocation comprise analyses of location choices of knowledge workers, recruitment strategies of innovating firms as well as labour flows between industry and academia.

Strategies of innovating firms and economy-wide growth and development

There has long been a concern about a so-called 'R&D paradox' in many countries, where large aggregate R&D efforts yield seemingly small effects on aggregate economy growth. The main aim of this theme is to assess the influence innovation strategies of firms have on economy-wide growth and development and what factors that moderate this influence. When and how do private and public R&D efforts stimulate economy-wide growth? What are the mechanisms? How and under what conditions does the local presence of R&D-intensive multinationals in a country (or region) generate knowledge spillovers that breed innovation? In what ways does a local university foster innovation and growth? How can policy stimulate social returns to R&D?

The research in this theme departs from the traditional approach of estimating private and social returns of firms' aggregate R&D spending with production functions. It aims instead to contribute by (1) recognizing that firms are truly heterogeneous and employ different R&D and innovation strategies and (2) assessing and measuring economy-wide influences beyond productivity. These two points are related in the sense that different types of R&D and innovation strategies may influence economy-wide growth in different ways. Firms undertaking large R&D investments may for example contribute to economy-wide development by spawning new technology-based spinoffs or by functioning as anchor-tenants that "supply" small and medium-sized with R&D experienced workers. This research goes beyond the study of aggregate productivity effects of R&D and instead identifies as well as quantifies underlying mechanisms behind the economy-wide influences associated with various innovation strategies of firms.

INNOVATION SYSTEMS AND INNOVATION POLICY

With few exceptions, the global economy suffers from a lack of economic growth. Innovation is the only sustainable strategy for promoting competitiveness and economic growth. Innovation cannot be left to firms, the market or the public sector alone but it requires an organised approach where all important stakeholders collaborate. Innovation policy, thus, plays a strategic role in promoting economic growth.

The platform studies institutions and networks of organisations in the public and private sectors, the activities and interactions of which, influence innovation processes. From a policy perspective, the platform researches how optimal collaboration between important stakeholders in an innovation system can be achieved through various types of innovation policies on different geographical levels. Research on regional innovation systems has been renewed through the introduction of the knowledge base approach underpinning the promotion of the principles of constructing regional advantage as the basis for a more broad based innovation policy. Furthermore, internationally leading research on public procurement for innovation, as part of a broader national innovation policy, has been initiated.

Gaps in the literature and research topics:

- Knowledge bases
 - The increasing importance of symbolic knowledge base (see OECD Reviews of Innovation Policy: Sweden. OECD, Paris 2013). There is a need of theoretical as well as empirical research to assess the implications of this for the innovativeness and competitiveness of firms, regions and nations.
 - A potential novel contribution of the knowledge base approach is in explaining why strong heterogeneity with respect to innovation remains between firms, which are not explained by sectorial or regional/national differences.
 - One outcome of applying a knowledge base approach could be a more generic, theoretically based typology of firms to replace the increasingly outdated empirically based taxonomies of sectors.

- Regional Innovation Systems
 - There is a need for achieving theoretical advances in research on RIS to develop the RIS approach from (only) being a focusing device to becoming more of a theoretical/analytical framework. A major step in this direction will be to integrate an institutional theoretical approach with the regional innovation system approach.
 - So far, studies have not systematically analysed the functioning of RIS. Making novel use of both firm-level survey data (Community Innovation Survey (CIS) and linked employer-employee register data (LEED)) as well as adopting Social Network Analysis (SNA) will make it possible to identify the existence of RIS, to analyse interaction patterns and to measure the impacts of being part of a RIS.

- Strong Research and Innovation Milieus
 - A large research project on Strong Research and Innovation Milieus using the many existing and planned research facilities and infrastructure at Lund University (IDEON, Medicon Village, MAX 4, and ESS) as cases should be developed as a CIRCLE based project. The aim of these establishments is not only to conduct cutting edge international research but also to promote economic development through successful exploration. CIRCLE has world-leading competence on how to link exploration with exploitation through well-working innovation systems and knowledge based entrepreneurship.

GLOBALIZATION OF INNOVATION

This platform focuses on the global dimension of innovation processes. The aim is to conceptualize global innovation networks (GINs) and to understand the dynamics and impact on firms and regions of global innovation networks.

The overall driving question in this research platform is what are the extent and scope of the changes in the geography of innovation worldwide, the determinants and their impact at a global scale?

Of particular interest in this platform is the interplay between micro (firm) and meso (region) characteristics and different forms of global innovation networks including global research collaboration, global sourcing of knowledge and offshoring of R&D and innovation, as well as their impact on the regions in terms of innovation, wellbeing and growth. Research is based on the systematic comparative analysis of firms and regions across the globe. The platform is building a large data base -*the GlobInn data set*- containing firm-level information on innovation and internationalization strategies across the globe which enables the study of, for example, innovation capabilities of firms in the regions of India, China or Sweden in specific industries, and the way that they participate in global innovation networks. Theoretically, research in this platform draws on international business, economic geography and innovation studies among others. Researchers in this platform have strong partnerships with researchers in Europe, Latin America, China, India and South Africa, showing the strong international character of the research area. The portfolio of projects in this research platform running in 2013 are described next:

The challenge of globalization: Technology driven foreign direct investment (TFDI) and its implications for the negotiation of International (bi and multilateral) Investment Agreements funded by the Riksbankens Jubileumsfond. This project focuses on the impact at the regional level (RIS) in terms of knowledge spillovers of the multinationals from emerging economies located in Europe. The project started by building a data base identifying which are those multinationals and what is their mode of entry in TFDI (location of an R&D lab, acquisition of technology intensive firms, etc.)- The EMENDATA database - and has been followed by interviews in the headquarters and subsidiaries of emerging multinational companies in India, China and Europe. Partners in this project are the ISI-Fraunhofer, the University of Pavia, Pisa University, Graduate University of the Chinese Academy of Science and the IIIT-Bangalore.

European Innovative Companies and Global Value Chains: The Productivity Impact of Heterogeneous Strategies funded by the Institute for Prospective Technological Studies (IPTS). The project investigates the relationship between R&D investments, productivity/efficiency and internationalization of production of the 3000 largest firms in terms of R&D expenditures in the world (from the R&D Scoreboard compiled by IPTS). Based on the ORBIS dataset, a number of measures of internationalization of production of the Scoreboard companies will be computed. It will be estimated to what extent the degree of internationalization is associated with the firms' productivity and efficiency, with their investments in R&D, and with the ability of firms to increase productivity and efficiency by way of investing in R&D.

Transformation and Growth in Innovation Systems: Innovation Policy for Global Competitiveness of SMEs and R&I Milieus funded by VINNOVA. Using the GlobInn database, a taxonomy of countries based on their innovation performance globally was developed, the impact of regional characteristics on the propensity to engage in global innovation networks was analysed, a taxonomy of global innovation networks was developed and an analysis of the impact on the degree of novelty of the interaction with users located in different income countries has been conducted.

INNOVATION AND SUSTAINABLE TRANSITIONS

Governments across the globe are developing plans, such as a New Green Deal, to curb a combined economic and ecological crisis. The Rio+20 Earth Summit in 2012 also emphasized the need to green the economy in light of sustainable development. The development and diffusion of eco-innovation is seen as indispensable to solve or at least abate an environmental/energy crisis. It is, however, increasingly recognised that achieving sustainability is not just a matter of creating technical fixes.

A common challenge for many eco-innovations is the lack of internalization of environmental benefits in existing markets and regulatory frameworks. Moreover, many eco-innovations are still immature and characterized by high levels of technological, market and institutional uncertainty. Therefore, innovation processes need not only to be examined in a systemic context, they are often part of wider co-evolutionary processes of transformative change in institutions, industrial structures and markets.

To account for the particularities of eco-innovation, platform research draws upon sustainable transitions theory. This burgeoning body of literature engages with transitions or systemic shifts in the ways in which sustainable systems of production and consumption are designed, organized and delivered in areas such as transport, energy, housing, agriculture and food, communication and health-care. Such transitions encompass new technologies and infrastructures, as well as shifts in markets, practices, policy and institutions.

Platform research aims to better understand and explain the role of eco-innovation in sustainable transitions. In doing so, it seeks to identify and unpack the specific characteristics, drivers and barriers of eco-innovation. Eco-innovation and sustainable transitions also pose new challenges with regard to the design, implementation and evaluation of innovation policies focusing for example on the role of demand-based policies and coordination with other policy domains. Research in this platform is approached through a set of broad questions:

- How do incumbent firms and new entrants cooperate, compete and network in eco-innovation and sustainable transitions?
- To what extent does innovation policy support eco-innovation and sustainable transitions?

Until very recently, spatial dimensions of eco-innovation and sustainable transitions have been largely ignored. This aspect is therefore particularly emphasized in platform research.

- Why do transitions occur in one place and not in another? How do transitions unfold across different geographical contexts and spatial scales?
- What roles do cities and regions play in the development and adoption of eco-innovations? How does this contribute to the acceleration of sustainable transitions?
- To what extent are sustainable transitions influenced by place-specific institutions and institutional change?

3.3 POLICY RELEVANCE OF CIRCLE RESEARCH

The research results by CIRCLE researchers have concrete policy implications in the areas that include academic entrepreneurship, research commercialization and sustainability.

There is a widespread belief that the EU is strong in basic research but underperforms in commercialising that work. To try to resolve this European paradox, as it is sometimes called, several countries have transferred intellectual-property rights from researchers—who hold them under a system called the professor privilege—to universities. Both the diagnosis of the problem and the suggested cure may be misguided as found by CIRCLE researchers (see e.g. Lindholm-Dahlstrand, Å. (2013) *Research Europe*).

When reviewing the available evidence on commercialisation in Sweden—which, despite much debate, is one of the few European countries to retain the professor privilege—the picture turned out to be brighter than it is often painted. The best evidence, for example, is that several hundred companies are spun out of Swedish universities each year. On a per capita basis, that is more than in the United States. Measures of patenting lead to much the same conclusion.

Published analyses often fail to account for the time-lags between research and its commercialisation, and often neglect looking beyond high technology. An important policy implication from this research is that overall, awarding IP rights to universities rather than researchers risks hampering technology transfer. It can disrupt the knowledge-sharing networks linking researchers and industry, introduce bias to the types of technology that are focused on, reduce the number of entrepreneurial spin-offs, and carry costs that universities may be unwilling to meet.

CIRCLE has carried out research that has contributed with policy relevant insights about how academic education contributes to economic development through the involvement of academics in knowledge intensive venturing and entrepreneurship. Based on micro data from Statistics Sweden, the research carried out presents an analysis of the effects on society of investments in higher education with a focus on the contribution of academics in knowledge intensive venturing between 2004 and 2009 to new job opportunities and economic growth. Graduates in four academic disciplines are studied: engineering, business, law and medical sciences (dentistry and medicine). The results clearly show that companies started and lead by academics contribute to new employment and economic growth to a much higher extent than other companies. The findings also show that there are large differences in contributions when looking at companies started by different groups of academics (see e.g. Ahlin, L., Gabrielsson, J. and Wennberg, K. (2013) *Akademiskt entreprenörskap ger samhällsekonomisk vinst: Entreprenörskap och företagande bland akademiker under perioden 2004-2009*, report for Civilekonomerna).

It is increasingly recognized that achieving sustainability is not just a matter of gathering more data, creating technical fixes or establishing the right institutions. Rather, transitions or system innovations are required in the ways in which systems of production and consumption are designed, organized and delivered in areas such as transport, energy, housing, agriculture and food, communication and health-care. Such transitions encompass new technologies and infrastructures, but also require shifts in markets, practices, policy and culture.

Sustainability transitions typically span over several decades and are therefore at odds with the usual spans of attention prevalent in policy-making processes. In order to support long-term structural shifts, policies have to interact with many transformative changes as they unfold. Long-term policy design thus needs to be flexible, adaptive and reflexive. Explorative scenarios, experimentation and learning therefore constitute important elements in specific policy programs.

CIRCLE research has problematized the fact that most of the sustainability transitions literature and its policy models have largely ignored the problem of scale and mostly focused on change and innovation processes within the boundaries of specific countries or regions. This is at odds with the notion that sustainability transitions by definition imply a global dimension in order to assess development relative to a broad set of sustainability goals. Instead of steering transition processes based on narrowly defined national agendas and dominated by national stakeholders (see e.g. the Dutch Energy Transition Program), it is argued that the global networks and local nodes involved in particular transition paths need to be more explicitly acknowledged in the governance of such transitions. More research in this emerging research field is however needed to determine what factors and processes are most effectively governed at a local, national and international levels and how these different levels of coordination interact and relate to each other.

CIRCLE researchers interact with policy makers and disseminate their research results in different forums mentioned in the section 2. These interactions have had an impact on policy making. During the preparation of the Europe 2020 strategy, Prof. Cristina Chaminade was invited in two occasions to Brussels to participate in a high-level ministerial meeting "Europe 2020- Innovation insights from European research in socio-economic sciences". Some of her explicit recommendations to the European Union with regards to a more global research strategy are reflected in the new Horizon 2020 work-program for social science and humanities, particularly in the Topic EURO 2 – 2014: The European growth agenda, which indicates the influence that the INGENEUS results had on the design of the new research framework program. In addition, Prof. Cristina Chaminade was invited to contribute with a chapter to the Innovation Union Competitiveness Report. The Innovation Union Competitiveness report provides member states with economic evidence and analysis to underpin EU and national policy making in support of Innovation. The report is launched every second year.

Caroline Wigren wrote a report "Gender Equality - business support within the Rural Development Programme 2007-2012" and presented the results to the Ministry of Rural development. The Ministry now has set clearer gender equality objectives in the new program for more equal Rural Development 2014-2020 compared to the previous one. One objective is that all the information about the programme should be analyzed in aspects of gender. The report's findings will also be used in a strategy for the promotion of women's entrepreneurship that will be developed within the Swedish Agency for Economic and Regional Growth during 2014.

3.4 NEW AND ONGOING PROJECTS AT CIRCLE

Table 1: Ongoing projects at CIRCLE 2013

Financier	Title of the project	Main -applicant	Co-applicants	Amount in SEK	Time period
VINNOVA	Innovation Efficiency and Economic Development	L. Schön	O. Ejermo	3 000 000	2008-2014
Riksbankens Jubileumsfond	The next generation of regional innovation policy	B. Asheim	J. Moodysson	3 400 000	2010-2013
VINNOVA	Transformation and Growth in Innovation Systems: Innovation Policy for Global Competitiveness of SMEs and R&I	C. Edquist	B. Asheim	9 000 000	2010-2013
FORMAS	R-ARE: entrepreneurship, innovation and development in regions of varying density	M. Andersson		15 000 000	2011-2016
Nordic Energy Research	TOP-NEST: Technology Opportunities in Nordic Energy System Transitions	L. Coenen		1 200 000	2011-2015
The Rausing Foundation	Rausing Research on Innovation Processes and Innovation Policies	C. Edquist	S. Borrás J. Gabrielsson J.M. Zabala T. Jung	9 524 000	2011-2014
Riksbankens Jubileumsfond	The Challenge of Globalization: Technology driven foreign direct investment and its implications for the negotiations of international investment agreements	C. Chaminade		9 025 000	2011-2014
The Swedish Research Council	Cluster Life Cycles – the role of actors, networks and institutions in emerging, growing, declining and renewing clusters	B. Asheim	L. Coenen J. Moodysson	4 500 000	2011-2013
The Swedish Energy Agency	KIBIOS: Competitive and innovative biorefineries in Sweden – from technical potential to practical implementations	L. Coenen	H. Westendorf (Martin)	1 132 000	2011-2013

LU, Pufendorf Institute	The Generational Goal	A. Kander		1 800 000	2012-2013
VR (Linnaeus Grant)	Innovation, Entrepreneurship and Knowledge Creation: Dynamics in Globalising Learning Economies- Linnaeus Research at LUCIE	C. Edquist B. Asheim H. Landström L. Schön C. Chaminade		50 000 000	2006-2016
The Swedish Research Council	Who are Swedish Inventors? Individual Pathways and Productive Milieus	O. Ejermo	H. Hansen T. Jung	3 750 000	2012-2014

Table 2: New projects at CIRCLE 2013

Financier	Title of the project	Main -applicant	Co-applicants	Amount in SEK	Time period
The Norwegian Research Council	Innodemo: Role of demonstrations projects in innovation	L. Coenen	T. Hansen	500 000	2013-2014
VINNOVA	Innovation driving board work in small and medium sized firms	J. Gabrielsson		998 000	2013-2014
European Commission	Smart Specialization for Regional Innovation	R. Boschma		2 266 859	2013-2016
The Swedish Research Council	Entrepreneurial Systems: Condition for Growth	Å. Lindholm Dahlstrand	Jonas Gabrielsson Diamanto Politis Martin Andersson Olof Ejermo Torben Schubert Bo Carlsson Markus Grillitsch	8 064 545	2013-2016
Marianne and Marcus Wallenberg Foundation	Global innovation networks, regional variety and its impact on the innovativeness of firms and regions: The IT and new media industry in Sweden in a global comparative perspective	C. Chaminade B. Asheim	Ju Liu	8 449 000	2013-2018
European Commission	European Innovative Companies and Global Value Chains: The Productivity Impact of Heterogeneous Strategies	Davide Castellani	Torben Schubert	508 300	2013-2014
VINNOVA	How does competence development affect individuals' innovativeness?	O. Ejermo		714 700	2013-2015
VINNOVA	Measuring innovation results of the companies: New insights from SWINNO, PATENT, FoU, CIS and OECD	M. Andersson		672 000	2013-2015

3.4 CITATION ANALYSIS FOR CIRCLE 2013

Table 3: Citations

	<i>SSCI</i>		<i>Google Scholar</i>		<i>Scopus</i>	
	<i>total</i>	<i>2013</i>	<i>total</i>	<i>2013</i>	<i>total</i>	<i>2013</i>
Andersson, Martin	172	32	1228	319	197	54
Asheim, Björn	2543	323	8846	1177	1636	238
Boschma, Ron	2549	n.a.	8338	1596	2538	539
Borrás, Susana	643	123	2991	505	258	43
Carlsson, Bo	1795	n.a.	9070	n.a.	1609	226
Castellani, Davide	403	n.a.	2380	n.a.	320	74
Chaminade, Cristina	275	102	1677	414	139	36
Coenen, Lars	729	223	2333	570	743	153
Edquist, Charles	2197	413	10248	1692	183	30
Ejermo, Olof	93	21	429	93	77	14
Fagerberg, Jan	2628	967	9925	1362	1113	120
Gabrielsson, Jonas	169	33	999	257	195	48
Giuliani, Elisa	723	n.a.	2 610	464	705	130
Grillitsch, Markus	8	5	23	13	3	3
Hansen, Teis	15	13	34	32	15	10
Hellström, Tomas	248	43	1148	201	290	45
Herstad, Sverre	57	34	271	71	22	6
Johansson, Börje	277	n.a	2103	n.a.	5	0
Jonasson, Erik	5	n.a	9	n.a.	27	2
Kander, Astrid	149	57	396	105	117	23
Landström, Hans	495	81	2553	490	457	59
Liu, Ju	11	8	49	20	n.a.	n.a.
Lindholm Dahlstrand, Åsa	262	71	1017	221	190	23
Martin, Roman	24	19	66	34	22	16
Mattes, Jannika	6	n.a.	30	n.a	6	3
Moodysson, Jerker	360	107	1044	254	358	79
Niedomyśl, Thomas	132	33	451	149	134	36
Nilsson, Jan-Evert	77	10	274	44	n.a.	n.a.
Nilsson, Magnus	15	6	80	24	n.a.	n.a
Politis, Diamanto	130	125	702	182	214	54
Rekers, Josephine	23	4	69	21	n.a.	n.a
Schön, Lennart	217	24	1406	280	33	2
Schubert, Torben	139	38	359	145	139	41
Srholec, Martin	178	49	1018	285	140	34
Trippel, Michaela	507	116	2010	598	536	93
Wigren-Kristoferson, Caroline	59	36	268	67	20	2
Zabala, Jon Mikel	30	14	136	58	33	14

4. RESEARCH OUTPUT BY CIRCLE EMPLOYEES

MARTIN ANDERSSON

JOURNAL ARTICLES

Andersson, M, L. Bjerke and C Karlsson (2013) Import Flows – extra-regional linkages stimulating renewal of regional sectors?, *Environment and Planning A*, 45 (12), 2999-3017.

Andersson, M and P. Thulin (2013) Does Spatial Employment Density Spur Inter-Firm Job Switching?, *Annals of Regional Science*, 5 (1), 245-272.

Andersson, M and S. Klepper (2013) Characteristics and Performance of New Firms and Spinoffs in Sweden, *Industrial and Corporate Change*, 22 (1), 245-280.

BOOKS

Andersson, M., O. Ejermo, N. Lavesson, H. Löf, H. Ylinenpää and J. Wincent (2013) *Det Innovativa Sverige – Sverige som kunskapsnation i en internationell kontext*, ESBRI och Brunzell produktion.

BOOK CHAPTERS

Andersson M. and J. Klaesson (2013) Market Size and Employment – separating diversity and scale effects, in Klaesson, J et al. (eds.) *Metropolitan Regions - preconditions and strategies for growth and development in the global economy*, Advances in Spatial Science, Springer Verlag, Berlin.

Andersson, M., O Ejermo, N Lavesson, H Löf, H Ylinenpää och J Wincent (2013) Bakgrund – bilden av det (o)innovativa och (o)entreprenöriella Sverige, chapter contribution to the *Det Innovativa Sverige – Sverige som kunskapsnation i en internationell kontext*, ESBRI och Brunzell produktion.

Ejermo, O. and **M. Andersson** (2013) Tre Versioner av den Svenska Paradoxen, chapter contribution to the *Det Innovativa Sverige – Sverige som kunskapsnation i en internationell kontext*, ESBRI och Brunzell produktion.

CIRCLE WORKING PAPERS

Andersson, M. (2013) Start-up rates, Entrepreneurship Culture and the Business Cycle. Swedish patterns from national and regional data, No. 2013/1.

Ahlin, L., **Andersson, M.**, Thulin, P. (2013) Market Thickness and the Early Labor Market Career of University Graduates- An urban advantage?, No. 2013/2.

Andersson, M., Larsson, J. P. (2013) Local Clusters of Entrepreneurs -neighbourhood peer effects in entrepreneurship?, No. 2013/30.

Schubert, T., **Andersson, M.** (2013) Old is Gold? The Effects of Employee Age on Innovation and the Moderating Effects of Employment Turnover, No. 2013/29.

Ahlin, L., **Andersson, M.**, Schubert, T. (2013) Implementing an R&D Strategy without Prior R&D-Experience Recruitment as a Source of R&D-related Routines and Capabilities?, No. 2013/3.

CONFERENCE PAPERS

The Frequency and Nature of Acquisitions of Start-Ups – a neglected market-selection process of quality entrants?. Copenhagen Conference on Innovation and Entrepreneurship 2014, Skodsborg Denmark, January 17-19.

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

Keynote speaker at the Uddevalla Symposium 2013 on Innovation, High-Growth Entrepreneurship and Regional Development at the Kauffmann Foundation, Kansas City, US.

AWARDS FOR RESEARCH

Highly Commended Award Winner at the Emerald Literati Network for Research Excellence. The prize was awarded for the paper “Creative Destruction and Productivity – entrepreneurship by type sector and sequence” published in *Journal of Entrepreneurship and Public Policy*.

LINA AHLIN

CIRCLE WORKING PAPERS

Ahlin, L., Andersson, M. and Thulin, P. (2013): Market Thickness and the Early Labor Market Career of University Graduates - An urban advantage?, No. 2013/2.

Ahlin, L., Andersson, M. and Schubert, T. (2013): Implementing an R&D Strategy without Prior R&D-Experience Recruitment as a Source of R&D-related Routines and Capabilities?, No. 2013/3.

CONFERENCE PAPERS

Spatial Sorting of Human Capital. European Regional Science Association, Palermo, Italy, 27-30 August.

KEYVAN ALVANDI

CIRCLE WORKING PAPERS

Alvandi, K., Chaminade, C. Lv, P. (2013) Commonalities and differences between production-related FDI (PFDI) and technology-related FDI (TFDI) in developed and emerging economies. No. 2013/47.

BJÖRN ASHEIM

JOURNAL ARTICLES

Liu, J., Chaminade, C., and **Asheim, B.T.** (2013) The geography and structure of global innovation networks: a knowledge-base approach. *European Planning Studies*, 21(9) 1456-1473.

Tödting, F., **Asheim, B.T.**, and Boschma, R. (2013) Knowledge sourcing, innovation and constructing advantage in regions of Europe. *European Urban and Regional Studies*, 20(2) 161-169.

BOOKS

Mellander, C., Florida, R., **Asheim, B. T.**, and Gertler, M. (eds.) (2013): *The Creative Class Goes Global*. Routledge, London & New York.

BOOK CHAPTERS

Asheim, B. T. (2013) What does the creative class approach add to the study of talent, creativity, and innovation in Canadian city-regions?, in Grant, J. L. (ed.), *Seeking Talent for Creative Cities: The Social Dynamics of Innovation*. University of Toronto Press, Toronto, 243-256.

CIRCLE WORKING PAPERS

Asheim, B. Bugge, M., Coenen, L. and Herstad, S. (2013) What does evolutionary economic geography bring to the policy table? Reconceptualising regional innovation systems. No. 2013/5.

Herstad, S., Ebersberger, B. and **Asheim, B.** (2013) MIC affiliation, knowledge bases and involvement in global innovation networks. No. 2013/12.

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

Innovation Policy for New Path Creation. CLIMIT Summit, Oslo. 25-26 February 2013

From Clusters and Regional Innovation Systems to Centres of Expertise and Strong R&I Milieus. International Seminar on 'Innovation, Development and Identity', University of Minho, Braga, Portugal, 5 April 2013 & II International Regional Development Conference, Firat University/Firat Development Agency, Turkey, 16-17 May 2013.

How to get experience based innovation work in rural Portugal? International Workshop of the RUR@LINOVA project, Oeiras, Lisbon, Portugal, 22 May.

Innovation Policy for Regional Economic Renewal: A Nordic Comparison. UiS Innovation Days. University of Stavanger, Stavanger, Norway, 5 September 2013.

Innovation and Regional Development. 11th Globelics International Conference, METU, Ankara, Turkey, 11-12 September 2013.

VRI sett fra utsiden: Har VRI bedret forutsetningene for forskningsbasert næringsutvikling i regionene. Hvilke funksjoner bør ivaretas også etter at VRI er over? VRI-storsamling, Research Council Norway, Sandnes, Norway, 3 Desember 2013.

ANDERS BILLSTRÖM

CONFERENCE PAPERS

Corporate and University Spin-Offs: A study of long-term performance. *Innovations, Entrepreneurial Universities & Economic Development Conference*. Lund, Sweden. May 17-18, 2013. (co-authored with Åsa Lindholm Dahlstrand).

Academic Entrepreneurs' Human Capital in University Technology Transfer: An Evaluation of the External Entrepreneur Model. Triple Helix 11th International Conference. London, United Kingdom. July 8-10, 2013.

The Formation of Entrepreneurial Teams in University Technology Transfer – A Comparison of the External and Inventor Entrepreneur Model. RENT XXVII, Research in Entrepreneurship and Small Business Conference. Vilnius, Lithuania. November 20-22, 2013.

AWARDS FOR RESEARCH

The Journal of Small Business Management (JSBM) BEST CONFERENCE PAPER AWARD, RENT XXII – November 20-22, 2013, Vilnius, Lithuania.

SUSANA BORRÁS

JOURNAL ARTICLES

Borrás, S. (2013) The Choice of Innovation Policy Instruments, *Technological Forecasting and Social Change* 80 (8), 1513-1522.

BOOK CHAPTERS

Borrás, S. and Peters, G.B. (2013) European Integration and Governance, in *Introduction to Political Sociology*, B. Brincker (ed.). Copenhagen: Hans Reitzel. Pages 247-263.

CIRCLE WORKING PAPERS

Borrás, S. and Edquist, C. (2013) Competence Building: A Systemic Approach to Innovation Policy, No. 2013/28.

CONFERENCE PAPERS

Coordinating Sense making in Europe: Civil Servants' Views on STI Policy Reforms. 4S conference 2013, San Diego, USA. Oct 9-12th 2013.

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

Reforms of national innovation policies in Europe: Towards converging models? 25th Annual EAEPE Conference: Beyond Deindustrialisation: The Future of Industries. Paris 7th-9th November 2013.

Trender og utfordringer internasjonalt. Conference: Kunnskap for samhandling og endring: Norges Forskningsrådets konferanse om kunnskapsgrunnet for forsknings- og innovasjonspolitikken. Oslo, Norway. 7th februar 2013.

Innovation Policy Learning: Intelligence Sources and Organizational Capacities. Workshop: Innovation Union Scoreboard for better evidence-based innovation policy in the EU, Copenhagen, Copenhagen Business School, September 23rd 2013.

AWARDS FOR RESEARCH

Best Paper Award for the paper Borrás, S and Edquist, C. Competence Building: A Systemic Approach to Innovation Policy; presented at the Atlanta Conference on Science & Innovation Policy. The Georgia Institute of Technology, USA, 26th - 28th September 2013.

RON BOSCHMA

JOURNAL ARTICLES

Boschma, R., S. Iammarino and E. Steinmueller (2013) Editorial: Geography, skills and technological change, *Regional Studies*, 47 (10), 1615-1617.

De Vaan, M., R. **Boschma** and K. Frenken (2013) Clustering and firm performance in project-based industries: the case of the global video game industry, 1972-2007, *Journal of Economic Geography*, 13 (6), 965-991.

Balland, P.A., M. de Vaan and **R. Boschma** (2013) The dynamics of interfirm networks along the industry life cycle: The case of the global video game industry, 1987-2007, *Journal of Economic Geography*, 13 (5), 741-765.

Todtling, F., B. Asheim and **R. Boschma** (2013) Knowledge sourcing, innovation and constructing advantage in regions of Europe, *European Urban and Regional Studies*, 20 (2), 161-169.

Boschma, R., Minondo, A., Navarro, M. (2013) The emergence of new industries at the regional level in Spain. A proximity approach based on product-relatedness, *Economic Geography*, 89 (1), 29-51.

BOOK CHAPTERS

Balland, P.A., **R. Boschma** and K. Frenken (2013) Proximity and innovation networks: an evolutionary approach, in: P. Cooke (ed.) *Re-framing regional development. Evolution, innovation and transition*, London and New York: Routledge, 186-200.

Boschma, R. (2013) Regional diversification and policy intervention, in Cotella, G. (ed.), *Territorial development and cohesion in a multi-scalar perspective*, Europa XXI, Warsaw, pp. 67-78.

CONFERENCE PAPERS

The effect of intra-and inter-regional labour mobility on plant performance in Denmark: The significance of related labor flows, American Association of Geographers Conference (AAG), Los Angeles, 10 April 2013.

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

Regional Resilience, international workshop on Resilient territories: innovation and creativity for new modes of regional development, Faro, University of Algarve, 29-30 November 2013.

Smart Specialisation, Smart Specialisation conference, Brussels, Belgium, 7 November 2013 & Heraklion, Greece, 26 September 2013 & international conference on Smart Specialization, Groningen University, Netherlands, 24-25 January 2013.

How do Regions Diversify over Time? Innovation in Mind Conference, Lund, 19 September 2013.

Empirical research in Evolutionary Economic Geography, IV International Conference of European Geographers, EUGEO Congress, Rome, Italy, 5-7 September 2013.

International Business and Economic Geography, Annual Conference of Academy of International Business, Istanbul, Turkey, 4-6 July 2013.

Emergence of new industries at regional level in Spain, A proximity approach based on product-relatedness, Uddevalla Symposium, Kansas City, US, 13-15 June 2013.

The Dynamics of Inter-firm Networks along the Industry Life Cycle: The case of the Global Video Games Industry, Tinbergen Institute international workshop, Free University Amsterdam, the Netherlands, 27-28 May 2013.

Agents of Structural Change, Swedish Entrepreneurship Forum, Lund, Sweden, 17-18 May 2013.

Institutions and Related Diversification in Europe, international workshop on Innovations and the allocation of entrepreneurship, Utrecht School of Economics, 18-19 April 2013.

AWARDS FOR RESEARCH

Honorary Doctorate in the Natural Sciences ("Doktor der Naturwissenschaften ehrenhalber") from Marburg University (Fachbereich Geographie) in Germany on July 4, 2013.

BO CARLSSON

JOURNAL ARTICLES

Carlsson B., P. Braunerhjelm, M. McKelvey, C. Olofsson, L. Persson & H. Ylinenpää (2013) The Evolving Domain of Entrepreneurship Research, *Small Business Economics*, 41(4), pp. 913-930.

Carlsson B. (2013) "Kathleen Eisenhardt: Recipient of the 2012 Global Award for Entrepreneurship Research, *Small Business Economics*, 40(4), pp. 797-804.

CONFERENCE PAPERS

Transparency of Innovation Policy. Invited chapter for a Handbook of Economic and Institutional Transparency (eds. L. Oxelheim & J. Forsbaeck), forthcoming on Oxford University Press, Trolleholm, Feb. 7-9, 2013, and Mölle, May 21+24, 2013.

DAVIDE CASTELLANI

JOURNAL ARTICLES

Castellani D., Jimenez A., Zanfei A. (2013) How remote are R&D labs? Distance and innovative activities, *Journal of International Business Studies*, 44, 649-675, doi:10.1057/jibs.2013.30.

Castellani D., Pieri F. (2013) R&D Offshoring and Productivity Growth in European Regions, *Research Policy*, 42, 9, 1581–1594, <http://dx.doi.org/10.1016/j.respol.2013.05.009>.

Castellani D., De Benedictis L., Horgos D. (2013) Can we really trust offshoring indices?, *Structural Change and Economics Dynamics*, 25, 159–172, <http://dx.doi.org/10.1016/j.strueco.2012.10.001>.

Aristei D., **Castellani D.**, Franco C. (2013) Firms' importing and exporting activities: is there a two-way relationship?, *Review of World Economics/Weltwirtschaftliches Archiv*, 149 (1), 55-84, <http://dx.doi.org/10.1007/s10290-012-0137-y>.

Basile R., Benfratello L., **Castellani D.** (2013) Geoaddivitive Models for Regional Count Data: An Application to Industrial Location, *Geographical Analysis*, 45(1), 28–48, <http://dx.doi.org/10.1111/gean.12001>.

Castelli C., **Castellani D.** (2013) The internationalization of R&D: sectoral and geographic patterns of cross-border investments, *Journal of Industrial and Business Economics/Economia e Politica Industriale*, 1, 127-143.

CIRCLE WORKING PAPERS

Barba Navaretti G., **Castellani D.**, Pieri F. (2013) Age and firm growth. Evidence from three European countries, No. 2013/41.

CRISTINA CHAMINADE

JOURNAL ARTICLES

Chaminade, C., Plechero, M. (2013) The influence of micro-characteristics and the region in different modes of globalization of innovation A comparative study of Pune region and Beijing region. *Industry and Innovation* 20(7), 661-682.

Liu, J., **Chaminade, C.**, Asheim, B. (2013) The geography and governance of global innovation networks. *European Planning Studies* 21(9), 1456-1473.

BOOK CHAPTERS

Chaminade, C. (2013) Diffusion of knowledge through the economy in European Commission, *Innovation Union Competitiveness report*, Brussels: European Commission.

CIRCLE WORKING PAPERS

Alvandi, K., **Chaminade, C.** Lv, P. (2013) Commonalities and differences between production-related FDI (PFDI) and technology-related FDI (TFDI) in developed and emerging economies. No. 2013/47.

Harirchi, G., **Chaminade, C.** (2013) User-producer interaction and the degree of novelty of innovations: a global perspective. No.2013/27.

CONFERENCE PAPERS

The challenge of globalization: technology driven investments and their impact on international investment agreements Conference Europe in a non-European world, Hannover, September 2013.

Do Regions Make a Difference? Regional Innovation Systems and Global Innovation Networks in the ICT Industry, Reverse and intensified globalization workshop, Norrjöping, May 2013 (co-authored with Monica Plechero).

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

The Changing Geography of Innovation, EU-SPRI early researchers conference, 2-4 October, Lund, Sweden.

LARS COENEN

JOURNAL ARTICLES

Klitkou, A. **Coenen, L.** (2013) The emergence of the Norwegian solar photovoltaic industry in a regional perspective. *European Planning Studies* 21 (11), 1796-1819.

McCormick, K., Anderberg, S., **Coenen, L.**, and Neij, L. (2013) Advancing Sustainable Urban Transformation. *Journal of Cleaner Production* 50 (1), 1-11.

CIRCLE WORKING PAPERS

Hansen, T. and **Coenen, L.** (2013) The Geography of Sustainability Transitions: A Literature Review. No. 2013/39.

Binz, C., Truffer, B., **Coenen, L.** (2013) Why space matters in technological innovation systems – the global knowledge dynamics of membrane bioreactor technology. No. 2013/11.

Gosens, J., Lu, Y., **Coenen, L.** (2013) Clean-tech Innovation in Emerging Economies: Transnational Dimensions in Technological Innovation System Formation. No. 2013/10.

Coenen, L., Moodysson J., Martin, H. (2013) Renewal of mature industry in an old industrial region: regional innovation policy and the co-evolution of institutions and technology. No. 2013/7.

Avdeitchikova, S., **Coenen, L.** (2013) Commercializing clean technology innovations – the emergence of new business in an agency-structure perspective. No. 2013/6.

Asheim, B., Bugge, M., **Coenen, L.**, Herstad, S. (2013) What Does Evolutionary Economic Geography Bring To The Policy Table? Reconceptualising regional innovation systems. No. 2013/5.

AWARDS FOR RESEARCH

2013 Regional Studies Association Best Paper Award for Truffer, B., Coenen, L. (2012): Environmental Innovation and Sustainability Transitions in Regional Studies. *Regional Studies*, Vol. 46, Issue 1, 1-21.

CHARLES EDQUIST

JOURNAL ARTICLES

Borrás, S., and **Edquist, C.** (2013). The choice of innovation policy instruments. *Technological forecasting and Social Change* 80(8), 1513-1522. doi:10.1016/j.techfore.2013.03.002.

BOOK CHAPTERS

Edquist, C. (2013) Innovation policies and instruments – With a demand-side emphasis, in Kim, K.W. (ed.) *Changing landscape of industrial innovation and new challenges for policy*. Korea Development Institute.

Edquist, C. (2013) Feature: Comparing National Systems for Innovation Policy Purposes, in *Australian Innovation System Report 2013*, Australian Government, Department of Industry.

CIRCLE WORKING PAPERS

Borrás, S. and **Edquist, C.** (2013) Competence Building: A Systemic Approach to Innovation Policy, No. 2013/23.

CONFERENCE PAPERS

How to design innovation policy – including the example of public procurement for innovation. Center for Technology, Innovation and Culture (TIK-Centre), Oslo, Norway, November 13, 2013.

Innovation environment: Coordination between supply-side and demand-side policies. Pujian Innovation Forum. Shanghai, China, 26-27 October 2013.

Innovationsupphandling - till nytta för sjukvården? / Innovation Procurement - for the benefit of health care?. Institutet för Hälso och Sjukvårdsekonomi / The Swedish Institute for Health Economics. Lund, Sweden, 6 September 2013.

Innovation policies and instruments - with demand-side emphasis. Korean Development Institute, Seoul, the Republic of Korea, 24 June 2013.

Why pre-commercial procurement is not innovation procurement, The management of innovation policies: new forms of collaboration in policy design, implementation and evaluation. Organized by the European Forum for Studies of Policies for Research and Innovation, Madrid, Spain, 10-12 April 2013. (co-authored with J.M. Zabala).

Innovation systems, innovation policy and innovation procurement - and account of the state of the art. Copenhagen Business School, 27 February 2013.

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

Partnerships for Industrial Development. 15th UNIDO (United Nations Industrial Development Organization) World Conference in Lima, Peru, December 2, 2013.

The relations between research policy and innovation policy. The Chinese Academy of Science and Technology for Development, in Beijing, China, October 28 – November 1, 2013.

How to design innovation policy: identification of policy problems, and; Innovation Policy in Sweden. 14th International Conference on Industrial Technology Innovation, Taipei City, Taiwan, 5 September 2013.

Innovation systems and innovation policy. Organized by Merck, Sharp & Dohme, American Chamber of Commerce and Stockholm Science City, in Visby Almedalen, Sweden, 2 July 2013.

Innovation procurement: what is it and what does it mean for grand challenges, growth and employment. Expert workshop on the measurement of public procurement of innovation, organized by the Organisation for Economic Co-operation and Development, Paris, France, 4 February 2013.

AWARDS FOR RESEARCH

Best Paper Award: Competence building: A systemic approach to innovation policy, written together with Susana Borrás, at the Atlanta Conference on Science & Innovation Policy, 26-28 September 2013, Georgia, USA.

OLOF EJERMO

BOOKS

Andersson, M., **O. Ejermo**, N. Lavesson, H. Löf, H. Ylinenpää and J. Wincent (2013) *Det Innovativa Sverige – Sverige som kunskapsnation i en internationell kontext*, ESBRI och Brunzell produktion.

BOOK CHAPTERS

Ejermo, O., Andersson, M. (2013), Tre versioner av den svenska paradoxen (ch. 3), in *Det innovativa Sverige – Sverige som kunskapsnation i en internationell kontext*, Stockholm: ESBRI and VINNOVA.

Andersson, M., **Ejermo, O.**, Lavesson, N., Löf, H., Ylinenpää, H. and Wincent, J. (2013), Introduktion (Introductory chapter) in *Det innovativa Sverige – Sverige som kunskapsnation i en internationell kontext*, Stockholm: ESBRI and VINNOVA.

Ejermo, O. (2013), Challenges in studying green competitiveness, chapter 3, in *Benchmarking green competitiveness - An attempt to measure the green competitiveness of Swedish manufacturing*. Östersund: Swedish Agency for Growth Policy Analysis (Tillväxtanalys).

CIRCLE WORKING PAPERS

Ejermo, O. and Bergman, K. (2013), Services vs. Manufacturing - How Does Foreign and Domestic Sales Impact on their R&D?, No.2013/21.

Ejermo, O. and J. Xiao (2013), Entrepreneurship and the Business Cycle: Do New Technology-Based Firms Differ?, No.2013/19.

CONFERENCE PAPERS

A Knowledge Production Function for Patents in Swedish Academia, presented at the Triple Helix international conference, special session "University entrepreneurship and Entrepreneurial universities: The role of Universities in the Triple Helix", organized by CIRCLE, London, UK, 8-10 July, 2013.

JAN FAGERBERG

BOOKS

Fagerberg, J., Martin, Ben R., Andersen, and Esben Sloth (eds.) *Innovation Studies Evolution & Future Challenges*. Oxford, Oxford University Press 2013.

BOOK CHAPTERS

Fagerberg, J., Martin, Ben R., Andersen, and Esben Sloth (2013) Innovation Studies: Towards a New Agenda. In: *Innovation Studies Evolution & Future Challenges*, in Fagerberg, J, Martin, Ben R., Andersen, Esben Sloth (eds.) *Innovation Studies Evolution & Future Challenges*, Oxford, Oxford University Press, 1-17.

Fagerberg, J., and Srholec, M. (2013) Knowledge, Capabilities and the Poverty Trap: The complex interplay between technological, social and geographical factors, in *Knowledge and the Economy*. Springer.

CONFERENCE PAPERS

The European Stagnation, presented at the 2nd Lundvall Symposium: The challenge for Europe in a new age, Ålborg, 14-15 March, 2013 (with Bart Verspagen).

Capabilities, Competitiveness, Development & Policy, European Forum for Studies of Policies for Research and Innovation, (Eu-SPRI), Madrid, April 10-12, 2013 (with Martin Srholec).

JONAS GABRIELSSON

JOURNAL ARTICLES

Gabrielsson, J., Politis, D., Lindholm Dahlstrand, Å. (2013) Patents and entrepreneurship: The impact of opportunity, motivation and ability, *International Journal of Entrepreneurship and Small Business*, 19 (2), 142–166.

Gabrielsson, J., Johnsson, E.I. (2013) Styrelser i unga entreprenörsdrivna företag, *Magma*, 7, 28-38.

Tell, J., **Gabrielsson, J.** (2013) Understanding the learning dilemma of small business managers, *International Journal of Innovation Science*, 5(3), 143-151.

CONFERENCE PAPERS

Survival through business model innovation: A longitudinal case study from the process industries, paper presented at the 6th ISPIIM Innovation Symposium, Melbourne, Australia, December 8-11 (co-authored with Florén, H. and Lee, C.).

Entrepreneurial strategies in university spin-offs: Coping with uncertainties in the process of market creation, paper presented at the EURAM conference in Istanbul, June (co-authored with Martina R. and Yar Hamidi, D.).

Business angel investments as entrepreneurial behaviour: The continuation of an entrepreneurial career, paper presented at the EURAM conference in Istanbul, June (co-authored with Politis, D.).

Academic inventions patented in Sweden 1996-2005: A categorization and analysis, paper presented at the conference Innovations, Entrepreneurial Universities and Economic Development, Lund, Sweden, May (co-authored with Politis, D., and Lindholm Dahlstrand, Å.).

Academic education and knowledge intensive entrepreneurship: An assessment of entrepreneurial returns for educational groups in Sweden 2004-2009, paper presented at the RENT XXVII conference in Vilnius, November (co-authored with Wennberg, K., Ahlin, L.).

University incubators and the likelihood of women entrepreneurship, paper presented at the Academy of Management Annual meeting in Lake Buena Vista (Orlando), Florida, August (co-authored with . Politis, D., and

Lindholm Dahlstrand, Å.).

Board leadership and innovation in small entrepreneurial firms: Opening up the black box of strategic leadership in the boardroom, paper presented at the RENT XXVII conference in Vilnius, November (co-authored with Yar Hamidi, D.).

AWARDS FOR RESEARCH

Best Reviewer Award in the Corporate Governance SIG at the EURAM conference, Istanbul.

ELISA GIULIANI

JOURNAL ARTICLES

Giuliani E. (2013) Network dynamics in regional clusters: Evidence from Chile, *Research Policy*, 42 (8), 1406-1419.

CIRCLE WORKING PAPERS

Amighini, A., Cozza, C., **Giuliani, E.**, Rabellotti, R., Scalera, V. (2013) Technology-Driven FDI: A Survey of the Literature, No. 2013/17.

CONFERENCE PAPERS

The impact of business on society: exploring CRS adoption and alleged human rights abuses by large corporations, Academy of International Business (AIB), Istanbul, July 2013.

Explaining path-dependence in the evolution of networks. The case of an Electronics cluster in Argentina, Danish Research Unit for Innovation Dynamics (DRUID), Barcelona, June 2013.

AWARDS FOR RESEARCH

First Annual Sustainable Business Mini-Conference: Best Paper Award Monday 22nd April 2013 University of Edinburg Business School.

MARKUS GRILLITSCH

JOURNAL ARTICLES

Tödting, F., Skokan, K., Höglinger, C., Rumpel, P., and **Grillitsch, M.** (2013) Innovation and knowledge sourcing of modern sectors in old industrial regions - A comparison of software firms in Moravia Silesia and Upper Austria, *European Urban and Regional Studies* 20: 275-294.

CIRCLE WORKING PAPERS

Grillitsch, M., and Nilsson, M. (2013) Technological competencies and firm performance: Analyzing the importance of internal and external competencies, No. 2013/24.

Grillitsch, M., and Tripl, M. (2013) Combining knowledge from different sources, channels and geographical scales, No. 2013/23.

CONFERENCE PAPERS

Regions in transformation: Institutional dynamics and evolution in regions, presented at the 8th Regional Innovation Policy Conference, San Sebastian, 10-11 October 2013.

Selection environments and their role for cluster change – an example of the Swedish Med-Tech industry, presented at the 8th Regional Innovation Policy Conference, San Sebastian, 10-11 October 2013 (co-authored with J. Rekers).

How, When and Why do Clusters Change? A Literature Review and Synthesis. RSA Conference, Tampere 5-6 May 2013 (co-authored with Triipl, M, Isaksen, A., Sinozic, T.).

TEIS HANSEN

JOURNAL ARTICLES

Hansen, T. (2013) Bridging regional innovation: cross-border collaboration in the Øresund Region, *Danish Journal of Geography* 113 (1), 25-38.

BOOK CHAPTERS

Hansen, T. (2013) Lavteknologisk industri i Danmark [Low-tech manufacturing in Denmark], in *Den Grænseløse By [The Borderless City]*, E. H. Jensen, G. Jørgensen, K. H. Møller, L. Winther, M. Partoft & N. Albertsen (eds.). Copenhagen: Centre for Strategic Urban Research.

CIRCLE WORKING PAPERS

Hansen, T. (2013) Substitution or overlap? The relations between geographical and non-spatial proximity dimensions in collaborative innovation projects, No. 2013/18.

Hansen, T., Coenen, L. (2013) The Geography of Sustainability Transitions: A Literature Review, No. 2013/39.

CONFERENCE PAPERS

Juggling with proximity and distance. Collaborative innovation projects in the Danish cleantech industry. 8th International Seminar on Regional Innovation Policies, San Sebastian, Spain. 10th-12th of October.

Technological catch-up by emerging market multinationals via international acquisitions: an in-depth case study from the biomass energy industry. The Impact of Emerging Multinationals on Global Development, Milan, Italy. 30th-31st of May.

TOMAS HELLSTRÖM

JOURNAL ARTICLES

Hellström, T., Jacob, M., and Wigren-Kristoferson, C. (2013) Organizing for the third mission: Structural conditions for outreach and relevance at two Swedish HEIs. *Industry and Higher Education*, 27(3), 193-204.

CONFERENCE PAPERS

Epistemic capacity in research environments: A process model for evaluation, EVario (Evaluation of research in open innovation) Conference, Strasbourg. 2013-09-12 – 13.

Centers of Excellence: An international comparison, Innovation, Higher Education, Research and Development (IHERD), OECD, Marseille, 31 July 2013.

BÖRJE JOHANSSON

JOURNAL ARTICLES

Cook, G., Pandit, N., Lööf, H., and **Johansson, B.** (2013) Clustering, MNE and Innovation: Who Benefits and How? *International Journal of the Economics of Business*, 20(2), 203-227.

BOOKS

Klaesson, J., C. Karlsson, and B. Johansson (eds.) *Metropolitan Regions: Knowledge Infrastructures of the Global Economy*, Springer.

BOOK CHAPTERS

Karlsson, C., Klaesson, J., **Johansson, B.** (2013) Introduction: Metropolitan Regions. Knowledge Infrastructures of the Global Economy, in Klaesson, J., C. Karlsson, B. Johansson (eds.) *Metropolitan Regions: Knowledge Infrastructures of the Global Economy*, Springer, 1-27.

Johansson, B., Klaesson, J. (2013). Urban Growth: Co-evolution of Producer Services and other Sectors, in Klaesson, J., C. Karlsson, B. Johansson (eds.) *Metropolitan Regions: Knowledge Infrastructures of the Global Economy*, Springer, 47-72.

ASTRID KANDER

JOURNAL ARTICLES

Stern, D.I., and **Kander, A.**, (2013). The Role of Energy in the Industrial Revolution and Modern Economic Growth, *The Energy Journal* 33(3), 127-154. <http://dx.doi.org/10.5547/01956574.33.3.5>

BOOKS

Kander, A., Malanima, P., and Warde, P., (2013). *Power to the People: Energy in Europe over the Last Five Centuries*. Princeton: Princeton University Press.

Led the interdisciplinary project "The Generational Goal" at the Pufendorf institute 2012/13, which resulted in the book *Generationsmålet – kontroverser kring klimat och konsumtion*, Dialogos förlag 2013.

CONFERENCE PAPERS

A new way of allocating for carbon emissions: Swedish consumption based emissions adjusted for NEGA-emissions. Economic History Meeting, Lund. October 2013 (Presented By Magnus Jiborn).

The Swedish industry's contribution to a better climate, Almedalen, July 2013.

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

Power to the People. Economic History Meeting, Lund, October 2013.

A commentator on a book chapter on environmental sustainability indicators, OECD / CLIO - INFRA WORKSHOP, 12-13 December 2013, Paris.

HANS LANDSTRÖM

CONFERENCE PAPERS

Entrepreneurship Research in Three Regions: USA, Europe and China, ESU Conference, Lisbon, 18-22 August (co-authored with Jing, S., and Z. Qinghua).

Business Angels' approaches to behavioral uncertainty: The role of confidence and trust, Babson Entrepreneurship Research Conference, Lyon, France, 6-8 June (co-authored with Fink, M., A. Moro and S. Avdeitchikova).

That's interesting! An empirical study on what makes entrepreneurship research interesting, XXVII RENT Conference, Vilnius, Lithuania, 21-22 November (co-authored with Frank, H).

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

What makes scholars "interesting" in entrepreneurship research?, Babson Pre-Conference 4 June 2013, Lyon, France.

What makes entrepreneurship "interesting"?, ESU Conference, 19-23 August 2013, Lisbon, Portugal.

Historical Foundations of Entrepreneurship Research, 2nd International Entrepreneurship Autumn School, 24-25 October 2013, Évora, Portugal.

The entrepreneurial eco-system at Lund University: Some success factors, TEMPUS International Scientific and Technological Conference, 7-8 November 2013, Ivano-Frankivsk, Ukraine.

NICLAS LAVESSON

BOOKS

Andersson, M., O. Ejermo, **N. Lavesson**, H. Löf, H. Ylinenpää and J. Wincent (2013) *Det Innovativa Sverige – Sverige som kunskapsnation i en internationell kontext*, ESBRI och Brunzell produktion.

BOOKS CHAPTERS

Andersson, M., Ejermo, O., **Lavesson, N.**, Löf, H., Ylinenpää, H. and Wincent, J. (2013) Bakgrund (Background) in *Det innovativa Sverige – Sverige som kunskapsnation i en internationell kontext*, Stockholm: ESBRI and VINNOVA.

Andersson, M., Ejermo, O., **Lavesson, N.**, Löf, H., Ylinenpää, H. and Wincent, J. (2013) Appendix Kapitel 2 (Appendix Chapter 2) in *Det innovativa Sverige – Sverige som kunskapsnation i en internationell kontext*, Stockholm: ESBRI and VINNOVA.

ÅSA LINDHOLM DAHLSTRAND

JOURNAL ARTICLES

Lindholm Dahlstrand, Å. and Politis, D. (2013) Women Business Ventures in Swedish University Incubators: Gender and the commercialization of university research, *The International Journal of Gender and Entrepreneurship*, 5(1), 78-96.

Gabrielsson, J., Politis, D., **Dahlstrand, Å.L.** (2013) Patents and entrepreneurship: the impact of opportunity, motivation and ability, *International Journal of Entrepreneurship and Small Business*, 19(2), 142–166.

Jacobsson, S., **Lindholm Dahlstrand, Å.** and Elg, L. (2013) Is the commercialisation of European academic R&D weak? A critical assessment of a 'dominant belief' and associated policy responses, *Research Policy*, 42, 874-885.

BOOK CHAPTERS

Lindholm Dahlstrand, Å. Jacob, M. And Politis, D. (2013) Kommersiella och kreativa svenska modeföretag, in Stenström, E. Och Strannegård, L. (Eds) *Kreativt kapital: om ledning och organisation i kreativa näringar*, Volante, 8tto: Stockholm, pp:75-115.

CONFERENCE PAPERS

Corporate and University Spin-Offs: A study of long-term performance, the conference on "Innovations, Entrepreneurial Universities and Economic Development, Swedish Entrepreneurship Forum and CICLE Lund University, May 2013 (co-authored with A. Billström).

Academic inventions patented in Sweden 1996-2005: A categorization and analysis, the conference on "Innovations, Entrepreneurial Universities and Economic Development", Swedish Entrepreneurship Forum and CICLE Lund University, May 2013 (co-authored with Gabrielsson, J., Politis, D).

Technology Transfer and Entrepreneurship: IP and academic spin-offs in Sweden and the UK, the Triple Helix XI International Conference, London, July 2013 (co-authored with Lawton Smith, H. and Baines, N.).

University Incubators and the Likelihood of Women Entrepreneurship, the 2013 Academy of Management Meeting, August 9-13, Lake Buena Vista (Orlando), Florida (co-authored with Gabrielsson, J., Politis, D.).

Academic Entrepreneurship: spin-offs in Sweden and the UK, The Technology Transfer Society (T2S) Annual Conference at the University of Bergamo, Italy November 8-9, 2013 (co-authored with Lawton Smith, H. and Baines, N.).

Reconsidering the Professor's Privilege: University Technology Transfer in Sweden and the UK, the 16th Uddevalla Symposium 2013 on Innovation, High-Growth Entrepreneurship and Regional Development, Kauffman Foundation, Kansas City, USA, June 2013 (co-authored with Lawton Smith, H. and Baines, N.).

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

TIE in Sweden: national policy tools and university entrepreneurship, The 14th International Conference on Industrial Technology Innovation, Taiwan, September 2013.

Is the commercialization of European R&D weak?- A critical assessment of a dominant belief and associated policy responses, Birkbeck Workshop on "Intellectual property and university entrepreneurship", London University, April 2013.

JU LIU

JOURNAL ARTICLES

Liu, J., Chaminade, C., Asheim, B. (2013), The Geography and Structure of Global Innovation Networks: A knowledge Base Perspective. *European Planning Studies*, 21(9), 1456-1473.

CONFERENCE PAPERS

How Do Proximities Matter to MNCs' Global Innovation Networks: A Geographical-organisational Perspective. The 11th Globelics International Conference, Ankara, Turkey, 2013 September 11-13.

ANA MAFALDA MADUREIRA

CIRCLE WORKING PAPERS

Madureira, A. (2013) Physical Planning in Place-Making through Design and Image Building, No. 2013/37.

Madureira, A. (2013) Physical Planning in Entrepreneurial Urban Governance – Experiences from the Bo01 and Brunnsög projects, Sweden. No. 2013/25.

CONFERENCE PAPERS

By invitation only: Uses and Users of the "Entrepreneurial City". The Association of European Planning Schools - AESOP conference, Dublin. 15- 19 July 2013.

Place-making and encountering the past. Changing Cities, Skiathos island, 18-21 June 2013.

HANNA MARTIN

CIRCLE WORKING PAPERS

Coenen, L., Moodysson, J., **Martin, H.** (2013) Renewal of mature industry in an old industrial region: regional innovation policy and the co-evolution of institutions and technology, No. 2013/7.

CONFERENCE PAPERS

Institutional context and cluster emergence: The case of biomass based industry in Southern Sweden, Association of American Geographers Annual Meeting (AAG), April 9-13 2013.

ROMAN MARTIN

JOURNAL ARTICLES

Martin, R. and J. Moodysson (2013) Comparing Knowledge Bases: On the Geography and Organization of Knowledge Sourcing in the Regional Innovation System of Scania, Sweden. *European Urban and Regional Studies* 20(2), 170-187.

Martin, R. (2013) Differentiated Knowledge Bases and the Nature of Innovation Networks. *European Planning Studies* 21(9):1418-1436.

CIRCLE WORKING PAPERS

Martin, R. and M. Trippel (2013). System Failures, Knowledge Bases and Regional Innovation Policies. No. 2013/13.

CONFERENCE PAPERS

Combining Knowledge Bases – The Emergence and Growth of New Media in Southern Sweden. Annual European Conference Regional Studies Association – Shape and be Shaped: The Future Dynamics of Regional Development, Tampere, Finland, 5-8 May (co-authored with Michaela Trippel).

AWARDS FOR RESEARCH

Post-Doctoral research grant awarded by Jan Wallanders and Tom Hedelius Foundation, 2013: 1,485 Mio SEK (ca. 170 000 EUR).

JANNIKA MATTES

JOURNAL ARTICLES

Mattes, J. and Späth, S. (2013) Upgrading foreign subsidiaries from exploiting to augmenting: Bargaining processes at strategic and operative levels, *Competition & Change* 17(2), 129-155.

CIRCLE WORKING PAPERS

Nilsson, M. and **Mattes, J.** (2013) The spatiality of trust – Antecedents of trust and the role of face-to-face contacts, No. 2013/16.

CONFERENCE PAPERS

Energy transition at the regional scale: An empirical investigation of development dynamics, International Conference on Sustainability Transitions, Zurich, Switzerland, June 19th-21st, 2013 (co-authored with Köhrsen, J. and Huber, A.).

Towards a better understanding of local reorganization processes – empirical findings from two case studies, eceee Summer Study, Belambra Les Criques, France, June 3rd-8th, 2013 (co-authored with Huber, A.; Köhrsen, J.).

JERKER MOODYSSON

JOURNAL ARTICLES

Martin, R. and **Moodysson, J.** (2013) Comparing knowledge bases: on the geography and organization of knowledge sourcing in the regional innovation system of Scania, Sweden, *European Urban and Regional Studies* 20(2), 170-187.

CIRCLE WORKING PAPERS

Zukauskaitė, E. and **Moodysson, J.** (2013) Multiple Paths of Development: Knowledge Bases and Institutional Characteristics of the Swedish Food Sector, No. 2013/46.

Moodysson, J. and Sack, L. (2013) Innovation under the protected label of origin: heritage, influence and expanding horizons in Cognac, No. 2013/40.

Moodysson, J. and Sack, L. (2013) Authenticity renewal – institutions, innovation systems, and Cognac evolution (when the rules of the game don't change), No. 2013/36.

Coenen, L., **Moodysson, J.** and Martin, H. (2013) Renewal of mature industry in an old industrial region: regional innovation policy and the co-evolution of institutions and technology, No. 2013/7.

THOMAS NIEDOMYSL

JOURNAL ARTICLES

Amcoff, J., and **Niedomysl, T.** (2013) Back to the city: internal return migration to metropolitan regions in Sweden. *Environment and Planning A* 45 (10) 2477-2494.

Niedomysl, T., Eldér, E., Thelin, M., Larsson, A., and Jansund, B. (2013) Learning benefits of using 2D versus 3D maps: evidence from a randomized controlled experiment. *Journal of Geography* 112 (3) 87-96.

CONFERENCE PAPERS

Niedomysl, T., Fransson, U. and Ernstsson, U. (2013) *Are non-contiguous administrative areas a feasible solution to the spatial delineation problem in the definition of internal migration?*, the 7th International Conference on Population Geographies in Groningen, the Netherlands, June 25-28, 2013.

MAGNUS NILSSON

JOURNAL ARTICLES

Isaksen, A. and **Nilsson, M.** (2013) Combined Innovation Policy: Linking Scientific and Practical Knowledge in Innovation Systems, *European Planning Studies* 21(12), 1919-1936.

CIRCLE WORKING PAPERS

Nilsson, M. and Mattes, J. (2013) The spatiality of trust – Antecedents of trust and the role of face-to-face contacts, No. 2013/16.

Grillitsch, M. and **Nilsson, M.** (2013) Technological competencies and firm performance: Analyzing the importance of internal and external competencies, No. 2013/24.

CONFERENCE PAPERS

The Role of Innovation Intermediaries in Innovation Systems, System Dynamics and Innovation in Food Networks, Innsbruck-Igls, 17-21 February 2013.

DIAMANTO POLITIS

JOURNAL ARTICLES

Gabrielsson, J., **Politis, D.**, and Lindholm Dahlstrand, Å. (2013) Patents and entrepreneurship: The impact of opportunity, motivation and ability. *International Journal of Entrepreneurship and Small Business*, 19(2), 142-166.

Lindholm Dahlstrand, Å. and **Politis, D.** (2013) Women business ventures in Swedish university incubators, *International Journal of Gender and Entrepreneurship*, 5(1), 78-96.

BOOK CHAPTERS

Lindholm Dahlstrand, Å., Jacobs, M. and **Politis, D.** (2013). *Kommers och kreativitet i framgångsrika svenska modeföretag*. In Stenström, E. and Strannegård, L. (Eds.), *Kreativt kapital. Om ledning och*

organisation i kulturella och kreativa näringar. Stockholm: Volante, pp. 75-115.

CONFERENCE PAPERS

Academic inventions patented in Sweden 1996-2005: A categorization and analysis, the workshop Innovations, Entrepreneurial Universities and Economic Development, Lund, Sweden, May (co-authored with Gabrielsson, J. and Lindholm Dahlstrand, Å.).

University incubators and the likelihood of women entrepreneurship, the Academy of Management Annual meeting in Lake Buena Vista (Orlando), Florida, August (co-authored with Gabrielsson, J. and Lindholm Dahlstrand, Å.).

Business angel investments as entrepreneurial behaviour: the continuation of an entrepreneurial career. Paper presented at the EURAM conference in Istanbul, June (co-authored with Gabrielsson, J.).

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

Entrepreneurial learning: Approaches and challenges, keynote speech at "Education and Learning issues in Entrepreneurship", July 4th 2013, Athens, Greece.

JOSEPHINE REKERS

BOOK CHAPTERS

Rekers, J.V. (2013) The ESS and the geography of innovation, in *Legitimizing ESS: Big Science as collaboration across boundaries*, T. Kaiserfeldt and T. O'Dell (eds.). Lund: Nordic Academic Press.

CONFERENCE PAPERS

Selection environments and their role for cluster change – an example of the Swedish Med-Tech industry, presented at the 8th Regional Innovation Policy Conference, San Sebastian, 10-11 October 2013 (co-authored with M. Grillitsch).

LIONEL SACK

CIRCLE WORKING PAPERS

Moodysson, J., **Sack, L.** (2013) Authenticity renewal – institutions, innovation systems, and Cognac evolution (when the rules of the game don't change), No. 2013/36.

Moodysson, J., **Sack, L.** (2013) Innovation under the protected label of origin: heritage, influence and expanding horizons in Cognac; No. 2013/40.

LENNART SCHÖN

JOURNAL ARTICLES

Ljunberg, J. and **Schön, L.** (2013) Domestic markets and international integration: paths to industrialisation in the Nordic countries, *Scandinavian Economic History Review* 61 (2), 101-121.

BOOK CHAPTERS

Schön, L. (2013) Crisis, structural change and new conditions for growth, in Benner, M. (ed.), *Before and Beyond the Global Economic Crisis*. Economics, Politics and Settlement, Edward Elgar, Cheltenham, 19-37.

TORBEN SCHUBERT

JOURNAL ARTICLES

Schubert, T., and Michels, C. (2013) Placing Articles in the large Publisher Nations: Is there a “free lunch” in terms of higher impact? *Journal of the American Society for Information Science and Technology*, 64, 596-611.

Brandt, T., and **Schubert, T.** (2013) Is the University Model an Organizational Necessity? Scale and Agglomeration Effects in Science, *Scientometrics*, 541-565.

Robin, S., and **Schubert, T.** (2013) Cooperation with Public Research Institutions and Success in Innovation: Evidence from France and Germany, *Research Policy*, 42, 149-166.

CIRCLE WORKING PAPERS

Baier, E. Rammer, C., and **Schubert, T.** (2013) The Impact of Innovation Off-shoring on Organizational Adaptability, No. 2013/44.

Schubert, T. (2013) Are there Scale Economies in Scientific Production? On the Topic of Locally Increasing Returns to Scale, No. 2013/43.

Schubert, T., and Andersson, M. (2013) Old is Gold? The Effects of Employee Age on Innovation and the Moderating Effects of Employment Turnover, No. 2013/29.

Ahlin, L., Andersson, M., and **Schubert, T.** (2013) Implementing an R&D Strategy without Prior R&D-Experience Recruitment as a Source of R&D-related Routines and Capabilities? No. 2013/3.

CONFERENCE PAPERS

Do higher wages reduce inventors' job turnover? The role of utility, status and signalling effects, European Business Research Conference, Rome, September 2013 (co-authored with O. Ejeremo).

AWARDS FOR RESEARCH

Best Paper Award for *Do higher wages reduce inventors' job turnover? The role of utility, status and signalling effects* at the European Business Research Conference, Rome, September 2013.

MARTIN SRHOLEC

BOOK CHAPTERS

Fagerberg, J., and **Srholec, M.** (2013) Knowledge, Capabilities and the Poverty Trap: The complex interplay between technological, social and geographical factors, in *Knowledge and the Economy*. Springer.

CIRCLE WORKING PAPERS

Srholec, M. (2013) Understanding the diversity of cooperation on innovation across countries: Multilevel evidence from Europe. No. 2013/26.

CONFERENCE PAPERS

Development, Capabilities and Policy. 2013 Eu-SPRI Forum Conference on Management of Innovation Policies. 10-12 April 2013, Madrid, Spain, <http://www.euspri-madrid2013.org/index.php> (co-authored with J. Fagerberg).

MICHAELA TRIPPL

JOURNAL ARTICLES

Trippl, M. (2013) Islands of Innovation as Magnetic Centres of Star Scientists? Empirical Evidence on Spatial Concentration and Mobility Patterns, *Regional Studies* 47(2), 229-244.

Lundquist, K. and **Trippl, M.** (2013) Distance, Proximity and Types of Cross-Border Innovation Systems: A Conceptual Analysis, *Regional Studies* 47(3), 450-460.

Trippl, M. (2013) Scientific Mobility and Knowledge Transfer at the Interregional and Intra-regional Level, *Regional Studies* 47(10), 1653-1667.

BOOK CHAPTERS

Maier G. and **Trippl M.** (2013) Regional Policy in a Globalized Economy, in *Globalism and Regional Economy*, S. Egashira. London: Routledge.

Tödting F. and **Trippl M.** (2013) Innovation and knowledge links in metropolitan regions: the case of Vienna, in *Metropolitan regions*, J. Klaesson, B. Johansson & C. Karlsson (eds.). Berlin: Springer.

Tödting F. and **Trippl M.** (2013) Transformation of regional innovation systems: from old legacies to new development paths, in *Reframing regional development*, P. Cooke (ed.). London: Routledge.

Trippl M., Tödting F. and Schuldner R. (2013) Creative and cultural industries in Austria, in *Creative industries and innovation in Europe*, L. Lazzeretti (ed.). London: Routledge.

Trippl M. (2013) Star scientists, islands of innovation and internationally networked labour markets, in *Networking regionalised innovative labour markets*, U. Hilpert & H. Lawton Smith (eds.). London: Routledge.

CIRCLE WORKING PAPERS

Grillitsch, M. and **Trippl, M.** (2013) Combining knowledge from different sources, channels and geographical scales, No. 2013/23.

Martin, R. and **Trippl, M.** (2013) System failures, knowledge bases and regional innovation policies, No. 2013/13.

CONFERENCE PAPERS

Taking the High-Tech Road: New Path Creation in the Periphery. 8th International Seminar on Regional Innovation Policies, Donostia-San Sebastian, Spain. 10-11 October (co-authored with Arne Isaksen).

Combining Knowledge Bases – The Emergence and Growth of New Media in Southern Sweden. Annual European Conference Regional Studies Association – Shape and be Shaped: The Future Dynamics of Regional Development, Tampere, Finland, 5-8 May (co-authored with Roman Martin).

How, when and why do clusters change? A literature review and synthesis. Annual European Conference Regional Studies Association – Shape and be Shaped: The Future Dynamics of Regional Development, Tampere, Finland, 5-8 May (co-authored with Markus Grillitsch, Arne Isaksen, Tanja Sinozic).

KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

The role of universities in regional development. EU-SPRI Early Career Researcher Conference. Innovation in a globalized economy: On the role of knowledge dynamics, institutions and innovation policies, Lund, Sweden, 2-3 October.

Wissenstransfer aus Hochschulen im internationalen Vergleich. Workshop Multiple Funktionsträger in schrumpfenden Regionen – Möglichkeiten und Grenzen von Hochschulen im demographischen Wandel, Jena, Germany, 23-24 May.

Regional Innovation Policies: System Failures, Knowledge Bases and Constructing Regional Advantage, The Research Council of Norway, Annual Conference, December 4, Sandnes, Norway.

MAREILE WALTER

BOOKS

Mareile Walter (2013) *Making Plans – Telling Stories: Planning in Karlskrona/Sweden 1980 – 2010.* PhD thesis, Blekinge Institute of Technology, Karlskrona.

CAROLINE WIGREN-KRISTOFERSON

JOURNAL ARTICLES

Brundin, E. and **Wigren-Kristoferson, C.** (2013) Where the Two Logics of Institutional Theory and Entrepreneurship Merge: Family Business Owners Caught in the Past or Stuck in the Future? *South African Journal of Economic and Management Science*, 16 (4).

Hellström, T., Jacob, M. and **Wigren, C.** (2013) Organizing for the third mission: Structural conditions for outreach and relevance at two Swedish HEIs, *Industry and Higher-Education*. 27 (3), 191-202.

JING XIAO

CIRCLE WORKING PAPERS

Ejermo, O. and **Xiao, J.** (2013) Entrepreneurship and the Business Cycle: Do New Technology-Based Firms Differ? No. 2013/19.

CONFERENCE PAPERS

The Acquisition and Firm Growth: The Perspective of Acquired Entrepreneurial Firms, The DRUID Academy Conference 2013, Aalborg, Denmark, January, 2013.

A David–Goliath Symbiosis? – Acquisitions of New Technology-Based Firms by Incumbents, Innovations, Entrepreneurial Universities and Economic Growth, Entreprenörskapsforum (Swedish Entrepreneurship Forum) in collaboration with CIRCLE Lund University, Lund, Sweden, 17-18 May, 2013 (co-authored with Martin Andersson).

When and Who Benefit? – Survival of Acquired Entrepreneurial Firms, EU-SPRI Early Career Researcher Conference, Lund, Sweden, October, 2013.

JON MIKEL ZABALA

JOURNAL ARTICLES

Jiménez Sáez, F., **Zabala-Iturriagoitia, J. M.**, and Zofío, J.L. (2013) Who leads Research Productivity Change? Guidelines for R&D policy makers, *Scientometrics* 94(1), 273-303.

Timmermans, B., and **Zabala-Iturriagoitia, J. M.** (2013) Coordinated unbundling: a way to stimulate entrepreneurship through Public Procurement for Innovation, *Science and Public Policy* 40, 674-685.

BOOK CHAPTERS

Zabala-Iturriagoitia, J.M. (2013) Can SMEs in traditional industries be creative?, in *Evolution of Innovation Management - New ways for innovations in an international context*, A. Brem & E. Viardot (eds.) Chippenharn and Eastbourne: Palgrave MacMillan.

CONFERENCE PAPERS

Why Pre-Commercial Procurement is not Innovation Procurement. 2013 EU-SPRI Forum Conference "Management of Innovation Policies", Madrid (Spain). April 10-12, 2013.

Reconceptualizing Varieties of Capitalism: Do regions and sectors matter?. Workshop on "Institutions and the Allocation of Entrepreneurship", Utrecht (The Netherlands). April 17-20, 2013.

Study of scientific output and transfer in nanosciences: A comparative analysis of Uusimaa, the Basque Country and Skåne. R&D Management Conference, Manchester (United Kingdom). June 26-28, 2013.

Policy coordination in regional STI policy: a comparative analysis. Atlanta Conference on Science and Innovation Policy, Atlanta (United States). September 26-28, 2013.

Regional STI policies with global impacts: evidence for nanosciences. 8th International Regional Innovation Policy Seminar, Donostia-San Sebastian (Spain). October 10-11, 2013.

YANNU ZHENG

CONFERENCE PAPERS

Characteristics of Foreign-born Inventors in Sweden- Immigration Background and Its Impact on Invention Performance. EU-SPRI Early Career Researcher Conference. Lund, Sweden, 2nd, October, 2013 and DRUID Winter Conference 2013, Alborg, Denmark, 16th, January, 2013.

ELENA ZUKAUSKAITE

BOOKS

Zukauskaitė, E. (2013) *Institutions and the Geography of Innovation: A Regional Perspective*, PhD thesis, Lund University, Lund.

CIRCLE WORKING PAPERS

Zukauskaitė, E. (2013) Organizational Change within Medical Research in Sweden: On the Role of the Individuals and Institutions, No. 2013/45.

Zukauskaitė, E., and Moodysson, J. (2013) Multiple Paths of Development: Knowledge Bases and Institutional Characteristics of the Swedish Food sector, No. 2013/46.

5. TEACHING AND SUPERVISION BY CIRCLE EMPLOYEES

MARTIN ANDERSSON

COURSES AT OTHER UNIVERSITIES

Blekinge Tekniska Högskola, Managerial Economics

Blekinge Tekniska Högskola, Management of Innovation and IT

SUPERVISION OF PHD STUDENTS

Niclas Lavesson, Lund University

Lucinda David, Lund University

Lina Ahlin, Lund University

Viroj Jienwatcharamongkhol, Lund University

Johan P Larsson, Jönköping International Business School

Mark Bagley, Jönköping International Business School

Sam Tavassoli, Blekinge Tekniska Högskola

BJÖRN ASHEIM

SUPERVISION OF PHD STUDENTS

Elena Zukauskaitė, Lund University

ANDERS BILLSTRÖM

COURSES AT OTHER UNIVERSITIES

Halmstad University, School of Business and Engineering, Bachelor Dissertation

Halmstad University, School of Business and Engineering, Organization and Leadership

Halmstad University, School of Business and Engineering, How to lead people

Halmstad University, School of Business and Engineering, Entrepreneurship for Health Industry

Halmstad University, School of Business and Engineering, Ethics

Halmstad University, School of Business and Engineering, Growth and Business Development

SUSANA BORRÁS

SUPERVISION OF PHD STUDENTS

Steven Højlund, Copenhagen Business School

RON BOSCHMA

SUPERVISION OF PHD STUDENTS

Matthias Brachert, Halle Institute for Economic Research

Lucinda David, Lund University

Dario Diodato, Utrecht University

Matté Hartog, Utrecht University

Sergio Petralio, Utrecht University

BO CARLSSON

SUPERVISION OF PHD STUDENTS

Larry Griffith, Case Western Reserve University

Jimeka Holloway, Case Western Reserve University

Mohamed Alhameli, Case Western Reserve University

DAVIDE CASTELLANI

COURSES AT OTHER UNIVERSITIES

University of Perugia, Faculty of Economics, Department of Economics, Industrial Economics

University of Perugia, Faculty of Economics, Department of Economics, Industrial Dynamics

University of Perugia, Faculty of Economics, Department of Economics, Economics of the Multinational Firm

CRISTINA CHAMINADE

COURSES AT LUND UNIVERSITY

Lund University, LTH/CIRCLE, Globalization and Innovation

SUPERVISION OF PHD STUDENTS

Keyvan Alvandi, Lund University

Gouya Harirchi, Copenhagen Business School

LARS COENEN

COURSES AT LUND UNIVERSITY

Lund University, School of Economics and Management, Economics of Innovation

SUPERVISION OF PHD STUDENTS

Hanna Martin, Lund University

Alexandra Nikoleris, Lund University

Jingjing Zhang, Lund University

Mette Talseth Solnørdal, University in Tromsø

OLOF EJERMO

SUPERVISION OF PHD STUDENTS

Jing Xiao, Lund University

Yannu Zheng, Lund University

JONAS GABRIELSSON

COURSES AT LUND UNIVERSITY

Lund University, LTH/CIRCLE, Entrepreneurship in New and Established Ventures

COURSES AT OTHER UNIVERSITIES

Halmstad University, School of Business and Engineering, Entrepreneurship from a marketing perspective

Halmstad University, School of Social and Health Sciences, Innovation in Health and Lifestyle

SUPERVISION OF PHD STUDENTS

Lionel Sack, Lund University

Sabrina Fredin, Lund University

Carmen Lee, Halmstad University

Daniel Yar Hamidi, Halmstad University

ELISA GIULIANI

COURSES AT OTHER UNIVERSITIES

University of Pisa, Department of Economics and Management, International Management

University of Pisa, Department of Economics and Management, Business & Society

University of Pisa, Department of Economics and Management, Research Methods

SUPERVISION OF PHD STUDENTS

Chiara Macchi, Sant Anna School of Advanced Studies

MARKUS GRILLITSCH

COURSES AT LUND UNIVERSITY

Lund University, LTH/CIRCLE, Globalisation and Innovation

Lund University, Faculty of Social Science, Department of Social and Human Geography, Field Studies of Programme Management

TEIS HANSEN

COURSES AT LUND UNIVERSITY

Lund University, LTH/CIRCLE, Innovation Management

Lund University, LTH/CIRCLE, Globalisation and Innovation

Lund University, Social Science Faculty, Department of Human Geography, Human Geography

TOMAS HELLSTRÖM

COURSES AT LUND UNIVERSITY

Lund University, Social Science Faculty, Philosophy of Social Science

Lund University, School of Economics and Management, Problem, Evidence, Conclusions

Lund University, School of Economics and Management, National PhD course in Business Administration

Lund University, School of Economics and Management, Philosophy of Science

SUPERVISION OF PHD STUDENTS

Wen Pan Fagerlin, Lund University

Karolin Sjö, Lund University

Alexander Paulsson, Lund University

ASTRID KANDER

COURSES AT LUND UNIVERSITY

Lund University, Economic History Department, EKH A61

Lund University, Economic History Department, EKH A62

Lund University, Economic History Department, EKH M33

SUPERVISION OF PHD STUDENTS

Daniel Lind, Lund University

Karolin Sjöö, Lund University

Hana Nielsen, Lund University

Jing Xiao, Lund University

HANS LANDSTRÖM

COURSES AT LUND UNIVERSITY

Lund University, EKHM26: Small business economics and entrepreneurship

Lund University, ENTN05: Entrepreneurial Finance

Lund University, Entrepreneurship: Commercializing your research, PhD course

Lund University, ENTN01: The entrepreneurial process and opportunity recognition (lectures)

Lund University, ENTN35: Project and research methods in entrepreneurship (lectures)

Lund University, Human Science Faculty, HTXH01: Projektledning och entreprenörskap för humanister (lectures)

Lund University: Företagsekonomins klassiker, PhD course (lectures)

COURSES AT OTHER UNIVERSITIES

Vienna University School of Economics and Business Administration (WU): Small Business Finance

Tallinn University of Technology, PhD course (lectures)

Aalborg University, PhD course (lectures)

SUPERVISION OF PHD STUDENTS

Craig Mitchell, Lund University

Gustav Hägg, Lund University

Nils Månsson, Lund University

ÅSA LINDHOLM DAHLSTRAND

SUPERVISION OF PHD STUDENTS

Eva Berggren, Halmstad University and Chalmers University

Anders Billström, Lund University, Halmstad University and Chalmers University of Technology.

Hugo Barros, University of Algarve

JU LIU

COURSES AT LUND UNIVERSITY

Lund University, LTH/CIRCLE, Globalisation and Innovation

ANA MAFALDA MADUREIRA

COURSES AT OTHER UNIVERSITIES

Blekinge Institute of Technology, School of Planning and Media Design, Department of Spatial Planning, Diploma work in urban design in China and in Europe

Blekinge Institute of Technology, School of Planning and Media Design, Department of Spatial Planning, European Cohesion Course

Blekinge Institute of Technology, School of Planning and Media Design, Department of Spatial Planning, Research Methods

Blekinge Institute of Technology, School of Planning and Media Design, Department of Spatial Planning, Project work for exchange students

ROMAN MARTIN

COURSES AT LUND UNIVERSITY

Lund University, LTH/CIRCLE, Globalization and Innovation

Lund University, Social Science Faculty, Department of Human Geography, Regions as Arena for Economic Development

Lund University, School of Economics and Management, Innovation Management

JANNIKA MATTES

COURSES AT OTHER UNIVERSITIES

University of Oldenburg, Social Sciences, Innovation in Europa und der Welt (Innovation in Europe and the world)

University of Oldenburg, Social Sciences, Innovation und Organisation (Innovation and Organisation)

University of Oldenburg, Social Sciences, Organisation und Institution (Organisations and Institutions)

University of Oldenburg, Social Sciences, Europa zwischen Globalisierung und Regionalisierung (Europe between Globalisation and Regionalisation)

JERKER MOODYSSON

COURSES AT LUND UNIVERSITY

Lund University, Faculty of Social Sciences, Department of Human Geography, the Region as Arena for Economic Development

Lund University, School of Economics and Management, Department of Economic History, Economic Growth, Innovation and Spatial Dynamics

SUPERVISION OF PHD STUDENTS

Hjalti Nielsen, Lund University

Lionel Sack, Lund University

Elena Zukauskaitė, Lund University

THOMAS NIEDOMYSL

COURSES AT LUND UNIVERSITY

Lund University, Faculty of the Social Sciences, Dept. of Human and Economic Geography, SGEA10, Delkurs 1 Samhällsgeografi: Ämnesintroduktion

Lund University, Faculty of the Social Sciences, Dept. of Human and Economic Geography, SGEA22:1, SAMHÄLLSGEOGRAFI: Fortsättningskurs, Delkurs 1 Regionen som arena i ekonomisk utveckling

Lund University, Faculty of the Social Sciences, Dept. of Human and Economic Geography, SGEA22:3, SAMHÄLLSGEOGRAFI: Fortsättningskurs Delkurs 3 Samhälle och planering

Lund University, Faculty of the Social Sciences, Dept. of Human and Economic Geography, SG EK02:1 SG EK02 Samhällsgeografi: Kandidatkurs (30 hp) Delkurs 3 Examensarbete för kandidatexamen

Lund University, Faculty of the Social Sciences, Dept. of Human and Economic Geography, SG EK02:2E SG EK02 Samhällsgeografi: Kandidatkurs (30 hp) Delkurs 2 Fördjupningskurs: Utvecklingslinjer inom geografien

Lund University, Faculty of the Social Sciences, Dept. of Human and Economic Geography, SGEL31, Samhällsgeografi: Projektarbete

Lund University, Faculty of the Social Sciences, Dept. of Human and Economic Geography, SGEL36, Samhällsgeografi: Examensarbete inom Kandidatprogrammet i samhällsplanering

Lund University, Faculty of the Social Sciences, Dept. of Human and Economic Geography, SGEM04

Lund University, Faculty of the Social Sciences, Dept. of Human and Economic Geography, UTV C14 BIDS, Theory of Science and Research Methods: an introduction

Lund University, Faculty of the Social Sciences, Dept. of Human and Economic Geography, SASA18, Population, Settlement and Economic Geography

Lund University, Faculty of the Social Sciences, Dept. of Service Management, SERVM HGB, Service Management: Servicesektorns framväxt i ett ekonomogeografiskt och nationalekonomiskt perspektiv

Lund University, Faculty of the Social Sciences, Dept. of Sociology, SIMS26, Social Sciences: Migration and Development

SUPERVISION OF PHD STUDENTS

Niclas Lavesson, Lund University

MAGNUS NILSSON

COURSES AT LU

Lund University, School of Economics and Management, Department of Business Administration, Affärsutveckling och Entreprenörskap (Business Development and Entrepreneurship)

Lund University, School of Economics and Management, Department of Business Administration, From Consumer Insight to Innovation

Lund University, School of Economics and Management, Department of Business Administration, Examensarbete på Civilekonomprogrammet (Degree project on Master Level)

SUPERVISION OF PHD STUDENTS

Clarissa-Sia Ljungström, Lund University

DIAMANTO POLITIS

COURSES AT LUND UNIVERSITY

Lund University, School of Economics and Management, Department of Business Administration, Degree project in New Venture Creation.

SUPERVISION OF PHD STUDENTS

Gustav Hägg, Lund University

Eva Berggren, Chalmers University of Technology

Anders Billström, Lund University, Chalmers University of Technology

JOSEPHINE REKERS

Lecturer (25%), Department of Human Geography, Lund University

LIONEL SACK

COURSES AT LUND UNIVERSITY

Lund University, LTH/CIRCLE, Entrepreneurship in new and established ventures

LENNART SCHÖN

SUPERVISION OF PHD STUDENTS

Yannu Zheng, Lund University

TORBEN SCHUBERT

COURSES AT OTHER UNIVERSITIES

University of Speyer, Master-Programme in University Management, New Public Management in Germany

University of Marburg, Summer Course, Applications in Micro-econometrics

MARTIN SRHOLEC

COURSES AT OTHER UNIVERSITIES

26th ERSA Summer School 2013, Karlskrona, 1-8 July 2013, Methodology: Multilevel modeling

MICHAELA TRIPPL

COURSES AT LUND UNIVERSITY

Lund University, School of Economics and Management, Department of Economic History, EKHM 32
Economics of Innovation

Lund University, School of Economics and Management, Department of Economic History, EKHM 22
Economic Growth over Time and Space

Lund University, Faculty of Social Sciences, Department of Human Geography, SGEA22 Samhällsgeografi:
Fortsättningskurs

Lund University, Faculty of Social Sciences, Department of Human Geography, SGEK02 Samhällsgeografi:
Kandidatkurs

Lund University, Faculty of Social Sciences, Department of Human Geography, SGEM13 Samhällsgeografi I:
Sociala, ekonomiska och miljömässiga regionala utmaningar

Lund University, School of Economics and Management, Department of Economic History, EKHR71 First
Year Independent Research – EAEGI

Lund University, Faculty of Social Sciences, Department of Human Geography, SGEA10 Samhällsgeografi:
Grundkurs

Lund University, Faculty of Social Sciences, Department of Human Geography, SGEA22 Samhällsgeografi:
Fortsättningskurs

Lund University, Faculty of Social Sciences, Department of Human Geography, SGEL35 Samhällsgeografi: Urban och regional dynamic – nya forskningsinriktningar

Lund University, CIRCLE, National PhD Course Economic Geography, Lecture: Innovation, Innovation Policy and Economic Geography (September 26)

COURSES AT OTHER UNIVERSITIES

Blekinge Institute of Technology, 26th ERSA Summer School, July 1-8, Lecture: Innovation Systems, Knowledge Bases & Policy Implications.

University of Jena, Germany, Graduate School, Lecture: Location and Mobility Patterns of Star Scientists and Knowledge Transfer at the Regional and Global Level (May 22).

University of Turku, Finland, Graduate School, Lecture: International Mobility of Star Scientists and Knowledge Transfer (May 15-16).

SUPERVISION OF PHD STUDENTS

Hanna Martin, Lund University

Lucinda David, Lund University

Keyvan Alvandi, Lund University

CAROLINE WIGREN-KRISTOFERSON

COURSES AT LUND UNIVERSITY

Lund University, School of Economics and Management, Department of Business Administration, Innovation management

Lund University, School of Economics and Management, Department of Business Administration, bachelor thesis work in entrepreneurship and innovation management

Lund University, School of Economics and Management, Department of Business Administration, The entrepreneurial process and opportunity recognition

SUPERVISION OF PHD STUDENTS

Karin Staffansson-Pauli, Malmö Högskola

Quang Vinh Evans Luong, Jönköping International Business School

JING XIAO

COURSES AT LUND UNIVERSITY

Lund University, Department of Economic History, EKHM44: Advanced Time Series Analysis

ELENA ZUKAUSKAITE

COURSES AT LUND UNIVERSITY

Lund University, LTH/CIRCLE, Globalization and Innovation

Lund University, Social Science Faculty, Department of Human Geography, SGEA22:1 Economic Geography cont. (Samhällsgeografi: Fortsättningskurs)

COURSES AT OTHER UNIVERSITIES

University of Management and Economics, International Perspectives on Innovation

6. INTERACTION WITH SOCIETY BY CIRCLE EMPLOYEES

MARTIN ANDERSSON

ASSIGNMENT IN POLICY BOARDS

Chairman of the “Expert Council” set-up by Statistics Sweden for a project on Innovation Statistics. Project initiated by the Ministry of Enterprise, Energy and Communications.

POLICY REPORTS

Andersson, M .(2013) *Närhet ger job*, Sydsvenska Industri- och handelskammaren.

Andersson, M (2013) *Varifrån kommer de nya tillväxtföretagen?* – en systematisk analys av nyföretagandet i Sverige, chapter contribution to the Swedish Economic Forum Report 2013.

BJÖRN ASHEIM

DEBATE ARTICLES

Nordiske lands innovasjonspolitikk – stor variasjon i evne til nyskaping. *Forskningspolitikk*, NIFU, No. 2, Oslo, June 2013.

SUSANA BORRÁS

DEBATE ARTICLES

Susana Borrás, Advanced Manufacturing Policies : The USA and China Cases. BLOG post 12.2.2013 www.susanaborras.com.

Susana Borrás, Coping with Brain Drain, BLOG post 17.4.2013 www.susanaborras.com.

Susana Borrás, New Times for University Rankings? BLOG post 19.5.2013 www.susanaborras.com.

Susana Borrás, The European Unitary Patent : Solution or Confusion?, BLOG post 20.2.2013 www.susanaborras.com.

Susana Borrás, The Return on Investment and Impact of STI Policies, BLOG post 6.3.2013 www.susanaborras.com

ASSIGNMENT IN POLICY BOARDS

Member (ledarmot), Konsistoriet, Karolinska Institutet, Stockholm.

Member, Danmarks Forskningspolitisk Råd, Copenhagen, Denmark.

RON BOSCHMA

POLICY REPORTS

Boschma, R., R. Crescenzi, A.M. Esteves, M. Percoco, L. de Propris and M. Thiene (2013) *Sketch of a Strategy for the Basilicata region, Towards an Operational Regional Development Program Basilicata Region 2014-2020*, final report, assignment by the Italian National Government and the Basilicata Region, Rome, February 2013, 110 pp.

Boschma, R. and C. Gianelle (2013) *Regional branching and smart specialization policy*, Policy Note IPTS, assignment by IPTS, Seville, November 2013, 35 pp.

MEDIA EXPOSURE

Own paper discussed in *NRC Handelsblad* 12 March 2013 (main quality newspaper in the Netherlands).

BO CARLSSON

ASSIGNMENT IN POLICY BOARDS

The chairman of the Prize Committee for the Global Award for Entrepreneurship Research.

POLICY REPORTS

Carlsson, B. (2013) *Dissemination Mechanisms and Innovation Regimes in High Tech Industry Clusters*, published by the European Commission in *Global Innovation Networks: High Level Economic Expert Group 'Innovation for Growth – i4g'*, Brussels, October 2013.

LARS COENEN

POLICY REPORTS

Coenen, L., Goddard, J., Kempton, L., Martin, R., and Grillitsch, M. (2013) *Evaluation of the Cooperation between Region Värmland and Karlstad University*. Region Värmland.

Scordato, L., Klitkou, A., and **Coenen, L.** (2013). *Betydelsen av politiska styrmedel för ökad hållbarhet och konkurrenskraft i massa- och pappersindustrin: Sverige i ett jämförande perspektiv*. Tillväxtanalys.

Contributing author to UNEP (2013) *City-Level Decoupling: Urban resource flows and the governance of infrastructure transitions. Case Studies from selected cities*. A Report of the Working Group on Cities of the International Resource Panel. Swilling M., Robinson B., Marvin S. and Hodson M.

LUCINDA DAVID

Gave a TEDx talk for Lund University <http://www.tedxlunduniversity.com/>

CHARLES EDQUIST

DEBATE ARTICLES

Inrätta ett råd för innovationspolitik (Establish a council on innovation policy, written - in Swedish).
Svenska Dagbladet, June 21, 2013.

Den svenska regeringen missar innovationspolitiken (The Swedish government misses innovation policy - in Swedish). *Dagens Nyheter*, March 16, 2013, page 6.

ASSIGNMENT IN POLICY BOARDS

Participated in the Ericsson Networked Society Index Delphi Panel, with the purpose to create a global index based on ICT maturity and its correlation of sustainable urban development.

Coordinator of the CIRCLE Policy Advisory Board.

Member of the Executive Committee of the European Forum for Studies of Policies for Research and Innovation from April 2013 to 2016.

Member of the Advisory Board for Innovation Procurement at the Region Skåne Government.

Member of the Expert Group for Development of Innovation Indicators at Statistics Sweden, 27 May 2013, Stockholm, Sweden.

MEDIA EXPOSURE

Interview with Charles Edquist about innovation indicators, April 24, 2013, www.life-time.se.

Featured on Jensen, S.E.'s article: Svensk innovation i EU-topp men är det hela sanningen? (Swedish innovation in EU state but is it the whole truth? - in Swedish). Article published in Swedish website LIFE-time.se, April 24, 2013. Accessible via: <http://www.life-time.se/2013/04/24/svensk-innovation-i-eu-topp-men-ar-det-hela-sanningen/>.

OLOF EJERMO

ORGANIZATION OF POLICY WORKSHOPS

Organizer (with Jonas Gabrielsson) of the event: *Varför är det så få kvinnor i akademien som patenterar?*, Småföretagsdagarna in Örebro, Sweden, February 5-6, 2013.

MEDIA EXPOSURE

Discussed the closure of Volvo lastvagnar in Umeå on Radio Västerbotten, October 17, 2013.

JONAS GABRIELSSON

ORGANIZATION OF POLICY WORKSHOPS

Organizer (with Olof Ejeremo) of the event: *Varför är det så få kvinnor i akademien som patenterar?*, Småföretagsdagarna in Örebro, Sweden, February 5-6, 2013.

POLICY REPORTS

Ahlin, L., **Gabrielsson**, and Wennberg, K. (2013) *Akademiskt entreprenörskap ger samhällsekonomisk vinst: Entreprenörskap och företagande bland akademiker under perioden 2004-2009*, policy report for Civilekonomerna.

ELISA GIULIANI

POLICY REPORTS

Giuliani E., Maffioli, A., Pacheco M., Pietrobelli, C., and Stucchi, R. (2013) *Evaluating the Impact of Cluster Development Programs*, IDB Publications 81539, Inter-American Development Bank.

Giuliani E., and Matta A. (2013) *Impact Evaluation with Social Network Analysis Methods*. Program for Supply Chain Development in the Province of Cordoba, Argentina. Prepared for the Inter-American Development Bank, Washington DC.

MARKUS GRILLITSCH

POLICY REPORTS

Goddard, J., Coenen, L., Kempton, L., **Grillitsch, M.**, and Martin, R. (2013) *Evaluation of the Cooperation between Region Värmland and Karlstad University*. Region Värmland.

TOMAS HELLSTRÖM

POLICY REPORTS

Hellström, T. (2013) *Centres of excellence as a tool for capacity building: Synthesis report*. OECD: Paris.

ASTRID KANDER

DEBATE ARTICLES

Vedertagna utsläppsmått leder till fel klimatpolitik, *DN Debatt*, 30th of July, 2013 (with Magnus Jiborn).

MEDIA EXPOSURE

Have been recorded for LU's Advent Calendar in November 2013.

ÅSA LINDHOLM DAHLSTRAND

DEBATE ARTICLES

Lindholm Dahlstrand Å, (2013) Commercialising research might be best left to researchers, *Research Europe*, Issue no. 374, p7.

ASSIGNMENT IN POLICY BOARDS

Member of the evaluation panel of the national Norwegian research programme on “Kunnskapsgrunnlaget for forsknings- og innovasjonspolitikken” (FORFI), Norges Forskningsråd, 2013.

Member of the Advisory Board for the TRIGGER Project (EU funded Project).

Member of the General Evaluator Panel for Sweden’s “Strategic innovation areas, proposals to establish and implement SIO programmes”, VINNOVA and Energimyndigheten.

POLICY REPORTS

Lindholm Dahlstrand, Å. (2013) *The Swedish National Incubator Programme*, in OECD (2013) *An International Benchmarking Analysis of Public Programmes for High-Growth Firms*, LEED OECD, Chapter 13, pp 194-201.

Ekspertpanelets vurderinger (2013) *EVALUERING AV FORFI*, Norges Forskningsråd.

ROMAN MARTIN

POLICY REPORTS

Coenen, L., Goddard, J., Kempton, L., **Martin, R.**, and Grillitsch, M. (2013) *Evaluation of the Cooperation between Region Värmland and Karlstad University*. Region Värmland.

JANNIKA MATTES

ORGANIZATION OF POLICY WORKSHOPS

Lokaler Energiewandel in Emden (Local Energy Change in Emden), local stakeholders in Emden, Germany, June 4th, 2013.

JERKER MOODYSSON

ASSIGNMENT IN POLICY BOARDS

Member of the evaluation panel of the national Norwegian research programme on “Kunnskapsgrunnlaget for forsknings- og innovasjonspolitikken” (FORFI), Norges Forskningsråd, 2013.

THOMAS NIEDOMYSL

ASSIGNMENT IN POLICY BOARDS

Member of board, DemoRegia AB, Managing director.

Special advisor, committee on “Sweden’s future population – 2012-2060”, Statistics Sweden.

Special advisor, committee on “Tilflyttingsarbeid i norske distriktskommuner”, Centre of Competence on Rural Development, Norway.

POLICY REPORTS

Niedomyśl, T., and Amcoff, J. (2013) *Barnfamiljers flyttningar kring sekelskiftet 2000 till, från och inom Stockholms län*, Rapport 2013:4, Tillväxt, miljö och regionplanering, Stockholms läns landsting.

TORBEN SCHUBERT

POLICY REPORTS

Schubert, T. et al. (2013) Wirtschaftsfaktor Hochschule, Stifterverband für die deutsche Wissenschaft.

Schubert, T., et al. (2013) Innovationsindikator, Deutsche Telekom Stiftung.

ORGANIZATION OF POLICY WORKSHOPS

Perspektiven für das deutsche Hochschulsystem, Policy-makers and university managers, 13/11/27.

MICHAELA TRIPPL

ASSIGNMENT IN POLICY BOARDS

Consultant, OECD – Regions and Innovation: Collaborating Across Borders.

CAROLINE WIGREN-KRISTOFERSON

POLICY REPORTS

Wigren-Kristoferson, C. (2013) *Jämställdhet – företagsstöd inom landsbygdsprogrammet 2007 – 2012*; rapport baserad på uppdrag från Jordbruksverket.

Wigren-Kristoferson, C. (2013) *Om konsten att jämställdhetsäkra ett landsbygdsprogram*, Kortversion av rapporten *Jämställdhet – företagsstöd inom landsbygdsprogrammet 2007 – 2012*.

ORGANIZATION OF POLICY WORKSHOPS

Seminar / presentation based on the report *Jämställdhet – företagsstöd inom landsbygdsprogrammet 2007 – 2012* at the Swedish Board of Agriculture for civil servants, May 20 2013.

Seminar / presentation based on the report *Jämställdhet – företagsstöd inom landsbygdsprogrammet 2007 – 2012* at the Ministry for rural affairs, for civil servants at the ministry, August 26 2013.

Seminar / presentation based on the report *Jämställdhet – företagsstöd inom landsbygdsprogrammet 2007 – 2012* for Winnet Sweden civil servants from different organizations, October 25 2013.

ELENA ZUKAUSKAITE

MEDIA EXPOSURE

Comment on Skånes regional innovation system, published in *Rörigt system möter skånska innovatörer*, *Sydsvenskan*, December 14, 2013.

7. SOCIAL ACTIVITIES AT CIRCLE

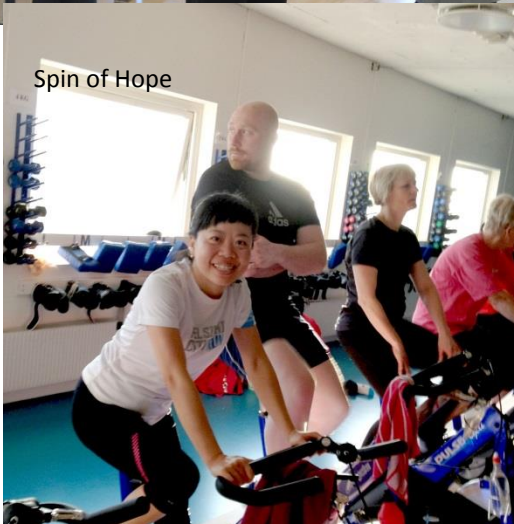
Academic life at CIRCLE benefits from non-academic activities. This year CIRCLEs gathered in the traditional Christmas dinner, summer BBQ, after-work drinks, and 3 o'clock-*fikas*, celebrated successful PhD defenses by Mareile Walter and Elena Zukauskaitė. Lots of informal interactions took place during off-site research retreat in March. The team of CIRCLE also participated in spin of hope charity event collecting money to help children with cancer.



Mareile's PhD defense



Preparing for fika



Spin of Hope



Elena's PhD defense



PhD defense party

METHOD FOR THE CITATION ANALYSIS

The citation analysis has been carried out for CIRCLE since 2005. Over time, there have been slight changes in method although with generally little impact on comparability. A new feature of the 2013 citation analysis is the inclusion of the Scopus citation index. The Scopus database only covers articles published in peer-reviewed scientific journals, which implies that the Scopus database makes an important complement to Google Scholar and Social Science Citation Index at the Web of Science. The two latter databases cover a broader scope of output. By combining these three data sources it is, thus, possible to get an overview of impact by total output (Google Scholar and SSCI) as well as by more thoroughly quality controlled (peer reviewed) research output (Scopus).¹ For each CIRCLE researcher, we search for his/her citations through:

- Google Scholar (<http://scholar.google.com>, Harzing's Publish or Perish (PoP))
- Social Science Citation Index at Web of Science (WoS) (<http://www.isiknowledge.com/WOS>)
- Scopus database (<http://www.scopus.com>)

Generally the last name is used for the searches, but the initial of the first name is also included in cases when the last name search delivers more hits than can be commendably analyzed. Perhaps the greatest obstacle and complication to the citation analyses is that many works are not searchable through all four or any combination of the author's (authors') name, the title of the article, the name of the publication, or a specified time period for publishing. Neither PoP nor WoS perform or deliver as proficiently as ordinary online search engines like Google, possibly due to the suboptimal means by which records are stored. Hence, a cited article may in some instances be identified by entering e.g. the title of the article and the name of the publication, whereas entering e.g. the author and/or a time period returns no hit, even though the first hit may specify the author and time period correctly.

Our starting point is to search on authors' surname and identify our CIRCLE colleagues by either their first name or initial(s). If an unmanageable number of publications are returned, we supplement the search with additional information. The search using only authors' names may also become cumbersome when authors have common surnames like Andersson, Hellström, Landström, Martin or Liu. In these kinds of cases we utilize CVs (or Google Scholar profiles if available) and/or publication lists, so as to:

- 1) Limit the search by including also the authors' workplaces over time (from their CVs);
- 2) Or search by names of the authors and details of the publication, also from the author's CV, when the authors with common surnames have a manageable number of publications.

¹ The depth of coverage in Scopus is however somewhat limited since only articles published after 1995 is included in the database. Yet, since the scientific field of Innovation Studies has emerged during the last 25 years, this limitation is not considered a serious drawback.

We proceed to check for misspelt author names by searching only on the titles for each author's five most cited works, to see if other spellings of their surnames appear. If so, we search for and add citations using the misspelled surname. (Should a "top five" publication have a too commonly used title, so that the limit to 1000 publications set in, we proceed to the next work in order of citations). In cases where conceivable misspellings are obvious, such as e.g. Edqvist, possibly referring to Edquist, we search for that misspelling whether appearing among the top three most cited works or not.

CHANGES IN METHODOLOGY OVER TIME

The methodology follows what has been done and described in previous methodological notes for the Annual Report, except that now all publications are counted. Also, before doing the citation analysis in 2007, the button "finish" was pressed for SSCI, but it was later discovered that this reduced the number of citations. For the present version of SSCI, conference proceedings are also included, which may increase the number of citations somewhat.

STEP BY STEP PROCEDURE FOR ONLINE CITATION ANALYSIS

1. Download and start the software Publish or Perish. We used version 4 in 2013/14. The corresponding step for Web of Science and the Scopus database is to open (<http://www.isiknowledge.com/WOS>) and (<http://www.scopus.se>), respectively.

2. In PoP enter e.g. the surname and/or other search criteria (see above) in the marked, designated field(s) and click "Lookup". Quotation marks are not necessary. Press the 'Lookup' button. In WoS enter the surname in a field followed by "Cited Author". In Scopus, the last name(s) and initial(s) of the author's first name are entered in the fields "Author Last Name" and "Initials or First Name" under the tab "Author search".

In PoP and WoS, a list of publications by the searched author appears including the number of citations to this work (cited by ###). Scrutinize for publications that are not 'proper' publications; to reduce the workload we have, since 2011/12 included all contributions by the authors (i.e. including e.g. working, conference & discussion papers) in the search when using PoP. The hits returned by WOS are restricted to a narrower range of publications, yielding thus a lesser number of citations for all authors than in PoP. In Scopus, a list of authors appear and the requested author is chosen. Hereafter, the citations are found under "Research" / "Citations".

3. Note that among the available search options in WOS, we utilize "Cited Reference Search" and limit the search to the Citation Databases "Science Citation Index Expanded --1900-present" and "Social Sciences Citation Index (SSCI) --1956-present".



Centre for Innovation,
Research and Competence in the
Learning Economy (CIRCLE)



WWW.CIRCLE.LU.SE

LUNDS UNIVERSITET

Box 117
221 00 Lund
Tel 046-222 00 00
www.lu.se