



CIRCLE ANNUAL REPORT  
2008

Centre for Innovation, Research and Competence in  
the Learning Economy

Lund University



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## 1 Director's Introduction

### 1.1 Introduction

CIRCLE (Centre for Innovation Research and Competence in the Learning Economy) is an interdisciplinary research centre spanning several faculties at Lund University and Blekinge Institute of Technology. CIRCLE was formed in July 2004, based on initial funding from VINNOVA (the Swedish Governmental Agency for Innovation Systems), Lund University and Blekinge Institute of Technology. It was awarded a Linnaeus Grant<sup>1</sup> by the Swedish Research Council (VR) in July 2006 for the research programme "Innovation, Entrepreneurship and Knowledge Creation: Dynamics in Globalizing Learning Economies". CIRCLE's mission is to be an internationally leading research centre in this field, to provide teaching on related topics, and to pursue work of high relevance for society at large.

CIRCLE is a member of two Networks of Excellence in the field, funded by the European Union under the 6<sup>th</sup> Framework Programme: DIME (Dynamics of Institutions and Markets in Europe) and PRIME (Policies for Research and Innovation in the Move towards the European Research Area). Since its creation in July 2004 CIRCLE has established itself as a leading national and international centre for research on R&D, innovation, knowledge creation, entrepreneurship and economic dynamics. CIRCLE is today the largest of four national Centres of Excellence funded by VINNOVA. This position has been further strengthened by the Linnaeus grant mentioned above. The international excellence of research at CIRCLE was acknowledged in two evaluations by international peers during 2008. CIRCLE came out extremely well in both. Details of the evaluations are presented in section 2.2 of this report.

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<sup>1</sup> The aim of the Linnaeus Grants is to enhance support for internationally competitive research of the highest quality. In 2006, more than 100 research groups in all fields of research were nominated by all Swedish universities to apply for these grants. International reviewers selected 20 environments to receive financial support (for CIRCLE 60 million Swedish Crowns, including matching funding from Lund University) for the next ten years. Five of them were in the social sciences and the humanities. Of these, CIRCLE obtained the only Linnaeus grant for Swedish research in the field of innovation, entrepreneurship and growth. VINNOVA and the Linnaeus Grant are the main funding sources of CIRCLE. Other sources are presented in section 1.2.2. (A new round of Linnaeus grants was awarded in 2008.)

In October 2008, CIRCLE held its third two-day strategy meeting (retreat). The venue was Bjärsjölagård, outside Lund. The discussions included strategic questions concerning research (especially future research areas), external funding, international cooperation, and involvement in teaching. It was decided to organize a two-day workshop exclusively devoted to the research strategies of CIRCLE at the end of April 2009. Furthermore, a new policy was agreed for promoting informal discussions, sharing information and diffusion of ideas among staff, which has materialised in, among other things, the so-called brown-bag seminars, which started in late autumn 2008 as a monthly activity. The purpose of these mini-seminars is to provide an informal arena for sharing new ideas on research projects and information about ongoing activity. The broader aim is to facilitate and stimulate the further integration of the various research areas at CIRCLE with the specific and long-term aim of enabling CIRCLE to take on new and challenging research topics. Such topics could be expected to be launched as large research programs both nationally and internationally.

## 1.2 Staff

The leadership group of CIRCLE expanded in 2008, from two to three part-time directors. Professor Charles Edquist remains the Director of CIRCLE. Professor Tomas Hellström has taken over some of Charles Edquist's leadership and administrative tasks (e.g. responsibility for teaching), to secure that everyone at CIRCLE has time for research. Professor Bjørn Asheim is the Deputy Director.

Since the inauguration of CIRCLE in July 2004, the staff has grown from zero to more than thirty five. This expansion was made possible by the two large grants from VINNOVA and the Swedish Research Council, mentioned above, as well as generous support from Lund University and other forms of external funding (see also section 2.8.).

During 2008 CIRCLE advertised a number of new positions, partly based on the original funding from VINNOVA, and partly on external funding from national (Swedish Research Council, VINNOVA) and international (EU, FP, ESF) sources. 10 positions

were advertised: one senior lecturer, one lecturer, two assistant professors, three two-year post docs, and three PhD students). The appointment process had not been concluded by the end of the year, but so far the following have been named for 2009: Astrid Kander (Sweden) as Associate Professor; Jerker Moodysson (Sweden) as Assistant Professor; Høgni Kalsø Hansen (Denmark), Jon Mikel Zabala (Spain), and Magnus Nilsson (Sweden) as two-year post-docs; Roman Martin (Germany), Monica Plechero (Italy) and Ana Mafalda Madureira (Portugal) as PhD students. We are very pleased that the international recruitment is continuing.

We would particularly like to announce the appointment of two internationally well-known researchers as guest professors at CIRCLE. They are Professor Susana Borrás (Denmark), Copenhagen Business School, who was the visiting professor at CIRCLE in spring 2007, and Professor Jan Fagerberg (Norway), University of Oslo, who has been on CIRCLE's International Advisory Board since its formation.

Susana Borrás is Professor of Innovation and Governance at the International Centre for Business and Politics, Copenhagen Business School, Denmark. She holds Master's and Ph.D. degrees in Political Science. Her research as a political scientist concentrates on two main areas: the governance of science and innovation, and European Union governance. She is the European editor of the international peer-reviewed journal *Science and Public Policy*.

Jan Fagerberg is Professor of Economics at the University of Oslo, where he is affiliated with the Centre for Technology, Innovation and Culture (TIK). He holds a D. Phil. from the Science Policy Research Unit (SPRU) at the University of Sussex (1989). He is the associate editor of the journal "Structural Change and Economic Dynamics" and board member of the journals "Evolutionary Economics", "Industry and Innovation", "Research Policy" and "Technology Analysis & Strategic Management". Professor Fagerberg has focused his research on the relationship between technology (innovation and diffusion) on the one hand and competitiveness and economic growth on the other. He is one of the

three editors, the others being David Mowery and Richard Nelson, of The Oxford Handbook of Innovation (Oxford University Press 2004).

CIRCLE suffered a great loss in 2008. Associate professor Leif Hommen passed away in early spring 2008. Everyone at CIRCLE liked Leif very much – his personality simply made it unavoidable to do so: loyalty, trustworthiness and sense of duty are some of the words that come to mind. It was always rewarding and exciting to work with Leif. Leif, we miss you very much – now, and for the years to come!

Table 1 gives an overview of CIRCLE employees in 2008.

**Table 1: CIRCLE staff 2008**

<b>Name</b>	<b>Position</b>	<b>Remarks</b>
Asheim, Bjørn	Professor of Economic Geography / Deputy Director CIRCLE	
Bengtsson, Lars	Associate Professor of Business Administration	Until March 2008
Benner, Mats	Associate Professor of Research Policy	
Borrás, Susana	Professor	From July 2008
Bratt, Christina	Controller	
Chaminade, Cristina	Associate Professor of Innovation Studies	
Coenen, Lars	Assistant Professor of Economic Geography	On leave from March 2008
Dahlbäck, Ola	Systems administrator	
Edquist, Charles	Professor of Innovation Studies/ Director of CIRCLE	
Ejermo, Olof	Assistant Professor of Innovation Studies	
Fagerberg, Jan	Professor	
Gabrielsson, Jonas	Associate professor of Business Administration	
Göktepe, Devrim	PhD candidate	Until May 2008
Hansen, Høgni Kalsø	Researcher, PhD	
Hellström, Tomas	Professor in Innovation, Entrepreneurship and Knowledge Creation	
Jacob, Merle	Professor	On leave
Jönsson, Elna	Administrator	

<b>Name</b>	<b>Position</b>	<b>Remarks</b>
Kander, Astrid	Assistant professor of Economic History	
Kitagawa, Fumi	Assistant Professor of Innovation Studies	
Landström, Hans	Professor in Business Administration	
Löwegren, Marie	Assistant professor of Business Administration	
Madureira, Ana Mafalda	PhD student	
Malmberg, Claes	PhD candidate	
Martin, Roman	PhD student	
Moodysson, Jerker	Researcher, PhD	
Nilsson, Jan-Evert	Professor, Blekinge Institute of Technology	
Nygaard, Stian	PhD candidate	Until January 2008
Pålsson, Carl Magnus	Director of Studies, ESST MA Programme	
Persson, Bo	Assistant professor of Research Policy	
Plechero, Monica	Project assistant	
Reddy, Prasada	Associate Professor of Innovation Studies	From July 2008
Rickne, Annika	Associate Professor of Innovation Studies	On leave from June 2008
Rolfstam, Max	PhD candidate	Until June 2008
Schön, Lennart	Professor of Economic History	
Szogs, Astrid	PhD candidate	
Walter, Mareile	PhD candidate	
Wigren, Caroline	Assistant Professor of Innovation Studies	
Zabala, Jon Mikel	Researcher, PhD	

We hope that this CIRCLE Annual Report 2008 will give the reader a stimulating glimpse of some of the activities that have taken place during the year. CIRCLE has continued to develop its homepage (<http://www.circle.lu.se>), providing updated information about CIRCLE, its staff and activities. The electronic working paper series is also published on the homepage.

## 2 Research and related activities

### 2.1 Research

The research carried out at CIRCLE during 2008 was described in the updated plan of action submitted to VINNOVA in January 2007 as a basis for being granted the second term of funding for the period January 2007 to June 2010. Important parts of the research continued to be organized into the four main research areas of the VINNOVA program addressing various aspects of innovation and knowledge creation. They are:

- learning in innovation systems and the consequences of R&D and innovation for productivity growth
- international comparison of innovation systems
- the entrepreneurial university and the creation of research-based firms
- public policy in the field of innovation, R&D and competence building in a comparative perspective.

All these areas deal, in some way, with innovation, entrepreneurship and knowledge creation in globalizing learning economies. They are thus central to CIRCLE's programme of 'Linnaeus' research, into which the VINNOVA program was gradually integrated during 2007, continuing into 2008 as well.

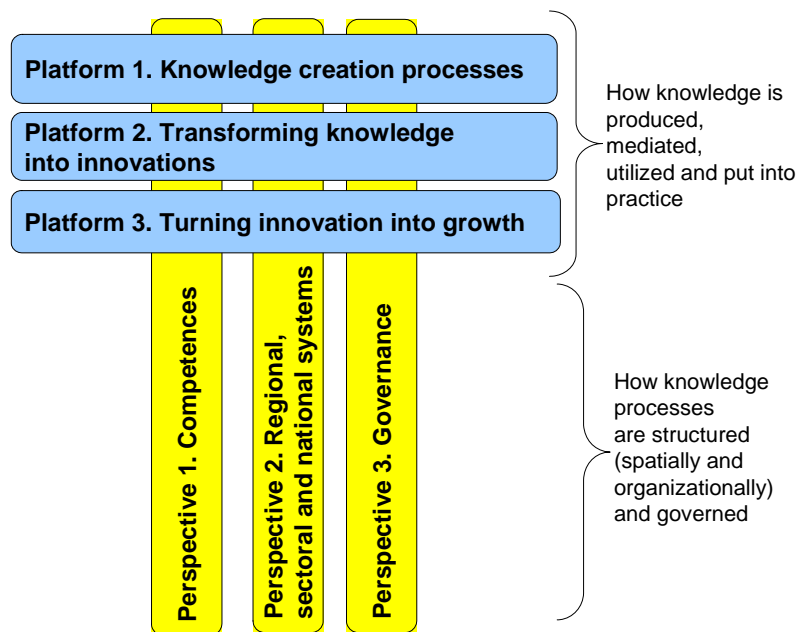
The Linnaeus research milieu is organized into three thematically structured horizontal research *platforms* and three vertical *perspectives*, rather than along disciplinary lines. In bringing together and integrating relevant knowledge and expertise, each platform/perspective conducts basic research around key research questions at the individual, organizational and societal levels. The platforms and perspectives cover the full cycle of knowledge creation, knowledge exploitation and knowledge-based growth, including feed-back loops and interaction processes that span these distinct stages of the cycle. These platforms and perspectives are illustrated in Figure 1.<sup>2</sup>

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<sup>2</sup> For more detailed information about the Linnaeus program, please see CIRCLE's homepage <http://www.circle.lu.se>.



**Figure 1: Research platforms and perspectives.**



There is a great deal of continuity and overlap between CIRCLE’s ‘old’ and ‘new’ research programmes. All the major elements of the old research programme are present in the new research programme. In effect, the three platforms of the new programme merely consolidate and extend themes defined in the ‘research areas’ of the old programme. However, the new programme provides a better framework for integration via cross-cutting perspectives as described above.

## 2.2 Research evaluations of CIRCLE

The quality of research at CIRCLE was evaluated twice by international peers in 2008. CIRCLE came out extremely well in both evaluations, the contexts of which were: (1) as part of the RQ08 (Lund University’s Project for Research Quality Assurance, 2008) evaluation of all research units at Lund University and (2) as a recipient of a Linnaeus Research Grant from the Swedish Research Council (as referred to above).

In the RQ08 evaluation CIRCLE was graded as ‘excellent’ in all relevant dimensions, which stands out as the best score in relation to comparable units (all departments at the

School of Economics and Management and the Faculty of Social Sciences at Lund University). CIRCLE achieved this after a mere four years in existence. In the overall evaluation by the international peers, CIRCLE is explicitly mentioned as a good example of Lund University's strategic flexibility, and the peers emphasize that it 'has successfully competed for large national grants including a Linnaeus grant' (p. 51 in the report). In the final conclusion on the specific evaluation of CIRCLE it is mentioned that 'this is a research unit of very high quality, integrating and promoting state of the art research in its field. Its research program is extremely well conceived, and the combination of generous funding and intellectual leadership that are clearly in evidence bode well for the future' (p. 198 in the report).

The first round of evaluation of the Linnaeus grant, administered by the Swedish Research Council, was only concerned with the part of CIRCLE research that is being carried out within the framework of the Linnaeus grant, and its relation to other research at CIRCLE. In its conclusion the international committee granted continued funding, and stated that the Linnaeus research program at CIRCLE 'has got off to a flying start. It is clear to us that, if hopes of its leadership are realized, then the programme – and whatever accumulates around it in the way of new research groups and new points of research concentration over the ten years of the Linnaeus grant's span – would appear to be well set to flourish in a post-Linnaeus world. As we perceive matters, the Linnaeus programme has been able to move quickly precisely because it is embedded within a centre which itself stands at the crossing point between the study of innovative processes and the translation of that knowledge into action. Being in a milieu specifically created by interdisciplinarity to advance new forms of that same perspective, the promise of attaining a very high degree of cross fertilization is well within grasp' (p. 5 in evaluation administered by Swedish Research Council).

The two evaluations can be found on CIRCLE's homepage ([www.circle.lu.se](http://www.circle.lu.se)), at the following link: <http://www.circle.lu.se/about-circle/two-evaluations-of-research-at-circle>

### 2.3 Publications

The publication record of CIRCLE's researchers is shown on an individual basis in section 5 of this report. Both the quantity (average number of publications per researcher) and the quality (on the basis of type of journals and publishers – and citations; see below) are clearly satisfactory. The publications broadly cover the four prioritized research areas of CIRCLE: R&D and growth; innovation systems; entrepreneurial activity (both firms and universities) of importance for innovation and growth; and public innovation policy and governance. Additionally, the publication record demonstrates the well-developed international network of CIRCLE's researchers through co-publications with researchers in other countries. This wide international network is further underlined by the high level of participation in international conferences, seminars and workshops by researchers from CIRCLE (see section 6) as well as by guest lecturers (section 7), the academic assignments listed in Section 8, and the external research contacts described in Section 10. Thus, we can conclude that so far the research activity at CIRCLE has fulfilled the goals and ambitions put forward in the plans of action presented to VINNOVA in 2004 and 2007.

CIRCLE electronic working papers have also continued during 2008. The CIRCLE Electronic Working Paper Series is intended to be an instrument for early dissemination of research undertaken by CIRCLE researchers, associates and visiting scholars and to stimulate discussions and critical comments. The working papers present research results that in whole or in part are suitable for submission to a refereed journal or to a book editor – or have already been submitted and/or accepted for publication. Thirty two (32) working papers were published in the series during 2008.

### 2.4 Citations

The citation analysis below, carried out in January 2009, covers publications of CIRCLE staff up to and including 2008. As can be seen in Table 2, publications by CIRCLE researchers are frequently cited by other scholars.

**Table 2: Results of citation analysis**

<b>Person</b>	<b>New SSCI 2009</b>	<b>Google scholar 2009</b>
Asheim, Bjørn	728	2786
Benner, Mats	55	352
Borras, Susana	88	830
Chaminade, Cristina	24	301
Edquist, Charles	894	3006
Ejermo, Olof	7	104
Fagerberg, Jan	802	3649
Gabrielsson, Jonas	28	156
Hansen, Høgni Kalsø	6	28
Hellström, Tomas	82	375
Jacob, Merle	101	319
Kander, Astrid	23	70
Kitagawa, Fumi	17	69
Landström, Hans	111	970
Moodysson, Jerker	20	94
Nilsson, Jan-Evert	40	102
Persson, Bo	1	13
Schön, Lennart	86	419
Wigren, Caroline	5	14

We are fully aware of the limitations of such statistics. For example, citation statistics favour researchers publishing in English, there are self-citations, and there are differences in citation “habits” between research areas and disciplines. In addition, a publication might be cited because it is criticized for being of low quality. The number of citations is also correlated with seniority and age; there is a considerable time-lag involved. Still, if a researcher has many citations, it does indicate that his or her publications have actually had an impact on the research work of others. In this sense, citation adds an “impact dimension” to the publication record and it is a quality indicator of relevance for evaluating the importance and success of research activities and the organizations performing them. This is not to say that researchers with a low number of citations may not have had an impact in other ways, or might not have a large impact in the future. Table 2 contains statistics of the number of citations received by CIRCLE research staff

on an individual basis. The statistics have been retrieved using The Social Science Citation Index (SSCI) and Google Scholar and do not cover work by PhD students and administrative staff. A detailed description of the method used for the citation analysis is found in Appendix 1 of this report.

## 2.5 External Research Connections and International Advisory Board

CIRCLE has well established connections with some of the most prominent research environments in the fields of innovation, entrepreneurship and economic growth, for example through its membership of the two EU Networks of Excellence, DIME and PRIME. Examples of research connections are also represented by CIRCLE's International Advisory Board, which normally meets once a year to advise on and evaluate the research activities undertaken. The members of the International Advisory Board for 2008 were Professor *Bart van Ark*, University of Groningen, the Netherlands, Professor *Phil Cooke*, Cardiff University, UK, Professor *Susan E. Cozzens*, Georgia Tech, Atlanta, USA, Professor *Jan Fagerberg*, University of Oslo, Norway, Professor *Maryann Feldman*, Georgia State University, Athens, USA, Professor *Meric Gertler*, University of Toronto, Canada, Professor *Richard Harrison*, Queens University, Belfast, Northern Ireland, Professor *Stan Metcalfe*, University of Manchester, UK and Professor *Bengt-Åke Lundvall*, Aalborg University, Denmark.

Further development of CIRCLE's international contacts is provided by guest researchers and visiting scholars who enhance the already exciting international research and teaching milieu. In addition, researchers at CIRCLE are invited to other international leading research institutes and Centres of Excellence. As an example, Charles Edquist and Cristina Chaminade spent a month each last year as guest researchers at the Centre for Advanced Study, The Norwegian Academy for Science and Letters in Oslo, and Bjørn Asheim had a research stay at the Department of Economics, University of Padua, Italy.

## 2.6 CIRCLE Social Network Analysis

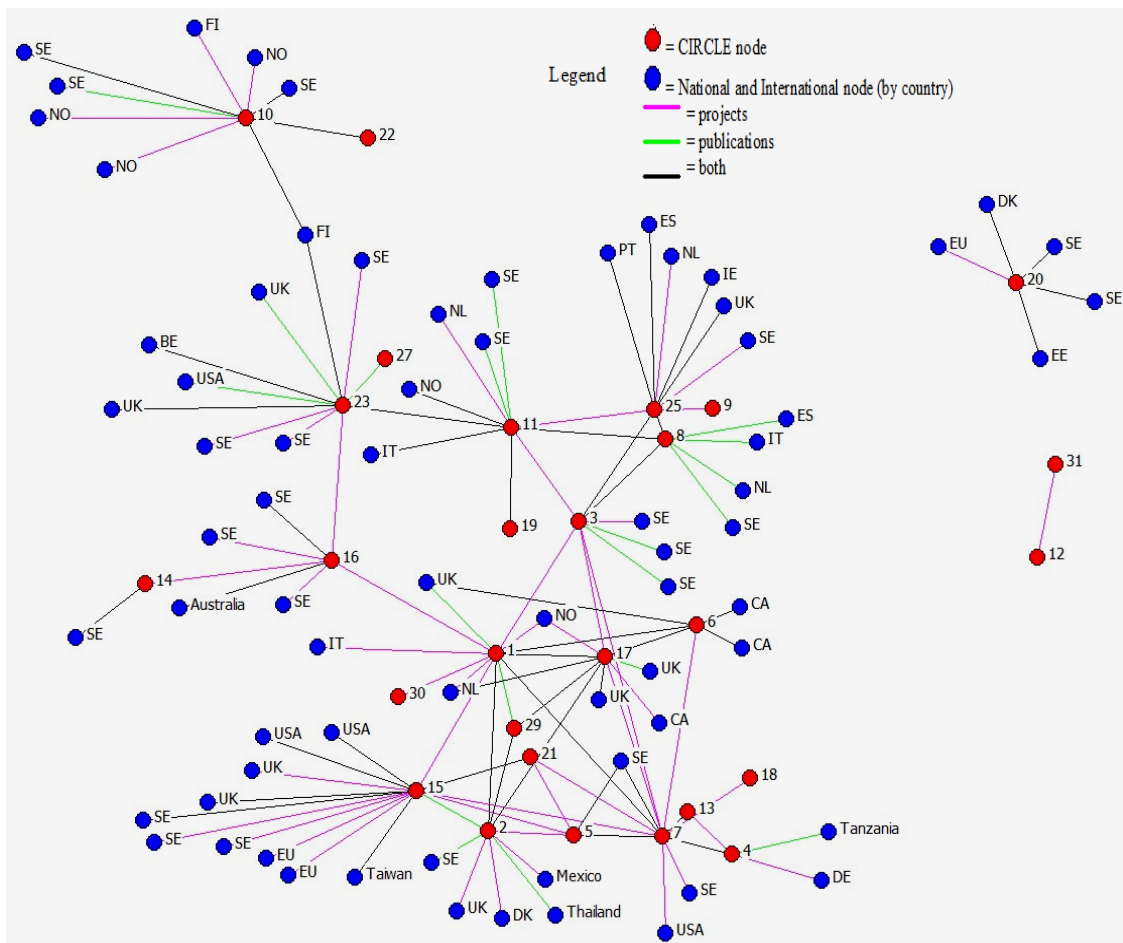
New for this annual report is the social network analysis that was carried out in order to get an overview of the international cooperation and networks that CIRCLE's researchers are engaged in. The CIRCLE Social Network Analysis (SNA), carried out by Monica Plechero, PhD student at CIRCLE, during November 2008, is based on a survey sent out to CIRCLE staff employed during 2006 and 2007. The intention was principally to map links within CIRCLE staff, between CIRCLE staff and other researchers at Lund University, and between CIRCLE staff and external actors (researchers of other national and international universities/research centres and other key actors working outside academia, for example, in entrepreneurial organizations and in governmental agencies). The links considered are the numbers of shared publications and shared projects in the period 2006-2007. A maximum of 5 external links with other universities/research centres and with other organizations outside academia could be listed for each CIRCLE employee. The response rate was around 70%. The network analysis therefore underestimates the size of the total real network.

The general result of the analysis shows a network comprising 122 nodes (individuals). The number of shared projects, higher than that of co-publications, shows good potential in terms of future co-publications. The network of cooperation within CIRCLE employees is dense and there is a good linkage between CIRCLE and other departments at Lund University. The network within Lund University is quite multidisciplinary as collaborations have been found between CIRCLE researchers and researchers at 9 other departments at Lund University.

There are extensive links between CIRCLE employees and researchers from other universities. The analysis shows that 50 other universities and research centres and 12 other organizations outside academia were connected to CIRCLE by co-projects or co-publications during the two-year period taken into consideration.

Fig. 2 shows in particular the national and international (by country) networks of CIRCLE. There are many connections to other Swedish universities and organizations, and links to other countries in all the 5 continents: Norway, Denmark, Finland, Germany, Netherlands, Belgium, Ireland, UK, Italy, Spain, Portugal, Estonia, USA, Canada, Australia, Thailand, Taiwan, Tanzania, and Mexico.

**Figure 2: Circle National and International networks (by country) based on project and publication links with other universities/research centres and organizations outside academia**



## 2.7 Seminars

Several seminars were organised as part of CIRCLE's seminar series in 2008. In addition three PhD defences took place. The seminars featured invited guest speakers and researchers, from CIRCLE and other departments of Lund University and from

elsewhere, who presented their ongoing work. The full list of seminars as well as PhD defences follows below:

- *Swedish business research productivity - improvements against international trends* - Seminar speakers: Olof Ejermo and Astrid Kander, both Assistant Professors at CIRCLE
- *Innovation studies - the emergence of a new scientific field?* - Seminar speaker: Jan Fagerberg, Professor of Economics at the University of Oslo, where he is affiliated with the Centre for Technology, Innovation and Culture (TIK). He is also part-time affiliated with CIRCLE. During the academic year 2007-8, he led a cross-disciplinary research group focusing on "Understanding Innovation" at the Centre for Advanced Study (CAS) in Oslo.
- *Knowledge communities and knowledge collectivities* - Seminar speaker: Lars Lindkvist, Professor of Business Administration at the Department of Management and Engineering, Linköping University, and director of the research group EPOK (Enterprising by Projects and Organizational Knowledge).
- *Knowledge intensive entrepreneurship in Europe* - Seminar with Professor Franco Malerba, Bocconi University.
- *CIRCLE PhD Defence* - Stian Nygaard defended his PhD thesis titled "Co-evolution of Technology, Markets and Institutions - the Case of Fuel Cells and Hydrogen Technology in Europe". The faculty opponent was Professor Franco Malerba, Bocconi University, Milan, Italy
- *Policy Reforms, New University-Industry Links and Implications for Regional Development in Japan* - Seminar speaker: Fumi Kitagawa, Assistant Professor at CIRCLE
- *Presentation of ongoing research* - Seminar speaker: Tomas Hellström, Professor at CIRCLE
- *Leading interdisciplinary environments in public universities: challenges and opportunities* - Seminar speaker: Merle Jacob, Professor at CIRCLE and the Research Policy Institute (RPI), as well as the Director at TIK, Oslo University
- *Presentation of ongoing research* - Seminar speaker: Caroline Wigren, Assistant Professor at CIRCLE



- *The Irony of the Commons – On the civilization process as subject matter for lifelong learning* - Seminar speaker: Erik Wallin, Associate Professor of informatics, Lund University.
- *Inventions on export* – Seminar speakers: Olof Ejermo and Jonas Gabrielsson, both researchers at CIRCLE
- *Policy reform and research performance in transition economies: a comparative case study of Latvia* – Seminar speaker: Dace Rambakaa, PhD student from Manchester Business School
- *CIRCLE PhD Defence* – Devrim Göktepe defended her doctoral thesis: "Inside the Ivory Tower: Inventors and Patents at Lund University". Faculty opponent was Professor David Mowery, Walter A. Haas School of Business, Berkeley, USA.
- *CIRCLE PhD Defence* – Max Rolfstam defended his doctoral thesis: "Public Procurement of Innovation". Faculty opponent was Professor Luke Georghiou, University of Manchester, UK.
- *Science, Nature and the Changing Nature of Science* - Seminar speaker: Koen Frenken, researcher at the Urban & Regional research centre Utrecht, Utrecht University
- *Austrian economics and the study of entrepreneurship: concepts and contributions* – Seminar speaker: Henrik Berglund, researcher at the Department of Technology Management and Economics at Chalmers University of Technology, and currently a visiting researcher at the Scandinavian Consortium for Organizational Research at Stanford University
- *Seminar with Bengt Johannisson (the 2008 FSF-NUTEK Award recipient) and Professor William Gartner* – This was a CIRCLE seminar in cooperation with the Swedish Foundation for Small Business Research (FSF) and the Swedish Agency for Economic and Regional Growth (NUTEK). Professor Bengt Johannisson, Växjö universitet/Jönköping International Business School, recipient of the 2008 FSF-Nutek Award, made a speech with the title "Globalization as a Generic Entrepreneurial Strategy". Professor Bill Gartner, Clemson University, the 2005 recipient of the FSF-Nutek Award. Professor Gartner made a speech with the title; "All You Need is Love: Exogenous Factors in Entrepreneurship and Innovation".

- *Long run innovation dynamics – exploration and exploitation in the Swedish pharmaceutical industry*- Seminar speaker: Claes Malmberg, PhD-student at CIRCLE
- *Emerging centres of excellence: Knowledge-sharing between developing country firms and their subsidiaries in the developed world* - Seminar speaker: Dr Helena Barnard, Gordon Institute of Business Science, South Africa
- *Building absorptive capacity in less developed countries. The case of Tanzania* - Seminar speakers: Cristina Chaminade (associate professor) and Astrid Szogs (PhD-student), both at CIRCLE.
- *Creativity, innovation and psychological well-being in Swedish organizations* - Seminar speaker: Farida Rasulzada, researcher at the Department of Psychology, Lund University. Farida recently received her PhD in Psychology with the dissertation "Organizational creativity and psychological wellbeing - Contextual aspects on organizational creativity and psychological well-being from an open systems perspective"
- *Measuring systemic failures in innovation systems: the case of Thailand* - Cristina Chaminade (CIRCLE), Patarapong Intarakumnerd (NSTDA, Thailand), and Koson Sapprasert (TIK and CAS, Norway) presented the paper "Measuring systemic failures in innovation systems in developing countries using innovation survey data: The case of Thailand"
- *Institutionalizing Governance for a Europe of Knowledge* - Åse Gornitzka, senior researcher at ARENA - Centre for European Studies at the University of Oslo, presented the paper "Institutionalising Governance for a Europe of Knowledge: the application of the Open Method of Coordination in research and education policy". The seminar was a co-arrangement by CIRCLE and the Research Policy Institute (RPI).
- *Persistence in start-up rates - evidence from Sweden* - Seminar speakers: Martin Andersson (Jönköping International Business School, Jönköping, and Centre of Excellence for Science and Innovation Studies (CESIS), Royal Institute of Technology, Stockholm) and Sierdjan Koster (Urban and Regional Studies Institute, Faculty of Spatial Sciences, University of Groningen)

- *Technological innovation and organizational learning in China* - Seminar speaker: Ju Liu, University of Electronic Science and Technology of China, Chengdu, China and visiting researcher at Aalborg University

## 2.8 External funding

In addition to the Linnaeus grant, several new research grants were won in 2008, from national (VINNOVA) as well as international (EU FP) sources. Some of the new research programs are presented in this section. Table 3 provides an overview.

**Table 3: External funding 2008**

<b>Financier</b>	<b>Project Title</b>	<b>Project Manager Researchers</b>	<b>Amount (SEK)</b>	<b>Time Period</b>
VINNOVA (Phase 2)	CIRCLE-Innovation System Research	C. Edquist	10 500 000	2007-01-01-- 2010-06-30
VR (Linnaeus Grant)	Innovation, Entrepreneurship and Knowledge Creation: Dynamics in Globalising Learning Economies- Linnaeus Research at LUCIE	C. Edquist	50 000 000	2006-07-01-- 2016-06-30
VINNOVA	Dynamic Labour Markets: Competence, Talent, Mobility	B.T. Asheim H. Hansen	2 700 000	2007-01-01-- 2009-12-31
VR	Emerging Trends in Asia: from Cost Based Producers to Global Suppliers of Innovations	B.T. Asheim C. Chaminade L. Coenen	2 700 000	2007-01-01-- 2010-12-31
VR	Constructing Regional Advantage: Towards State-of-the-Art Regional Innovation System Policies in Europe	B.T. Asheim J. Moodysson	2 918 598	2007-04-24-- 2010-12-31
Crafoordska stiftelsen	Studies of University and University College Spin-off Companies in the Öresund Region	J. Gabrielsson	300 000	2007-08-15-- 2008-05-15
Ruben Rausing	Support to the holder of the Ruben Rausing Chair in Innovation	C. Edquist	1 760 000	2008-01-01-- 2008-12.31
VINNOVA	R&D, Innovations and Growth	A. Kander O. Ejermo	1 500 000	2007-07-01-- 2010-07-01
VR	Innovation as a Motor of Development	C. Chaminade	450 000	2008-01-01-- 2010-12-31
VINNOVA	Innovation Efficiency and Economic Development	L. Schön O. Ejermo	3 000 000	2008-07-01-- 2012-12-31
VINNOVA	Sustainable Growth, Energy and Innovation	L. Schön A. Kander	3 000 000	2008-07-01-- 2012-12-31

Financier	Project Title	Project Manager Researchers	Amount (SEK)	Time Period
EU	AEGIS - Advancing Knowledge-Intensive Entrepreneurship and Innovation for Economic Growth and Social Well-being in Europe	C. Edquist J. Gabrielsson O. Ejermo J. M. Zabala	2 500 000	2008-07-01-- 2012-07-01
EU	ENGINEUS	C. Chaminade M. Plechero S. Borrás	2 500 000	2008-07-01-- 2011-06-30
VINNOVA	SWINNO - Swedish innovations 1	J. Ljungberg A. Kander K. Sjöö J. Taalbi	1 000 000	2008-07-01-- 2011-06-30

Some of the new projects initially funded during 2008 are briefly described below.

**AEGIS (Advancing Knowledge-Intensive Entrepreneurship and Innovation for Economic Growth and Social Well-being in Europe):** This large-scale integrated project, funded by the European Union FP7, studies the interactions of knowledge, innovation, economic growth and social well-being in Europe. The project moves away from a person-centric view of entrepreneurship **to** consider entrepreneurs as generating **or** using knowledge. They are seen as members of networks, systems, and society, involved in dynamic processes of innovation and transformation. The main ideas behind this project are related to the perception of knowledge-intensive entrepreneurship as a necessary mechanism and an agent of change mediating between the creation of knowledge and innovation and its transformation into economic activity.

The AEGIS project has three main objectives:

- At the micro level, it intends to study in depth the act of knowledge-intensive entrepreneurship, its defining characteristics, boundaries, scope and incentives.
- At the macro level, it studies the linkage of knowledge, entrepreneurship, economic growth and social well-being..

- At the policy level, the project takes a systemic approach to linking and integrating diverse sets of policies that influence the creation and growth of innovative entrepreneurial ventures based on knowledge generation and diffusion.

CIRCLE researchers involved are Professor Charles Edquist (leader of the CIRCLE part), Associate Professor Jonas Gabrielsson, Assistant Professor Olof Ejermo, and post-doc Jon Mikel Zabala. The coordinators of the project are Professor Franco Malerba, University of Bocconi, Milan, and Yannis Caloghirou, Athens, Greece.

**INGINEUS** – also funded by the EU FP7 – addresses the impact of globalisation and the rapid growth of selected, emerging economies on the competitiveness and strategies of European Union firms, industries and regions. The project brings together researchers from EU countries (Italy, Denmark, Germany, Estonia, Sweden, Norway and United Kingdom) and from some of the most important emerging economies in the world (notably Brazil, China, India, and South Africa).

The four main objectives of the project are:

- to understand the transition of global production networks to global knowledge and innovation networks.
- to understand the capacity of emerging countries to accumulate and use knowledge and capabilities that allow them to participate in global innovation networks.
- to assess the dynamic impact of off-shoring of knowledge-intensive activities in firms and evaluate the long-run costs and benefits of emerging global innovation networks in a range of industries (differentiated by research intensity and the drivers of technical change), and how their gains are being distributed between European and emerging economies' industries and regions.
- to analyse the institutional frameworks in Europe and in emerging economies that are relevant for the creation and anchorage of global innovation networks in national and regional systems, and to derive specific policy recommendations from this study

aimed at improving these institutional frameworks in both the EU and emerging economies.

CIRCLE staff involved are Associate Professor Cristina Chaminade (leader of the CIRCLE part), PhD student Monica Plechero, and Professor Susana Borrás. The coordinator of the project is Alireza Naghavi, Fondazione Eni Enrico Mattei, Italy.

**SWINNO – Swedish innovations 1** (funded by VINNOVA). A central aim of this project is to construct a comprehensive database of innovations in manufacturing since 1996 based on the model of SFINNO, the database of Finnish innovations at the Technical Research Centre of Finland (VTT). The project is being pursued in close cooperation with VTT and Jani Saarinen, who has his PhD from the Department of Economic History at Lund University, with a thesis on innovations in Finnish manufacturing dating back to 1945. The intention is also to extend the Swedish database of innovations further back in time in order to develop the analyses of technical change and growth. CIRCLE researcher involved is Astrid Kander, who is project leader in collaboration with Jonas Ljungberg at the Department of Economic History. The project also funds PhD students Karolin Sjöö and Josef Taalbi.

**Innovation Efficiency and Economic Development** (funded by VINNOVA). A focal point of this research is a unique database consisting of data on economic and innovation activities on the firm and individual level that has been constructed in collaboration between CIRCLE, CESIS, Statistics Sweden and VINNOVA. The project entails a deepening of CIRCLE's competence development in innovation economics by building closer long-term cooperation between people already connected to the centre and active in this research area. Dynamic possibilities are also created by closer ties with the Department of Economics in Lund. The project further stimulates the development of courses in innovation economics. Finally, research will be conducted on a number of issues in innovation economics in cooperation with researchers at other centres (such as

CESIS), at CIRCLE, the Department of Economic History and the Department of Economics.

The project serves multiple purposes. Research will be done around issues designed as sub-projects concerning innovation efficiency, such as: “Firm size, R&D and innovations”, “The R&D-innovation frontier and economic productivity”, “Wage structure, R&D and innovations”, “Connections between innovation, productivity and employment at the firm level”, “Internationalization, technology spillovers and innovations”, “Mobility of individuals and their importance for innovations” and “A text book in innovation economics”. CIRCLE researchers involved are the project leaders Lennart Schön and Olof Ejermo.

**Sustainable growth, energy and innovation** (funded by VINNOVA): The purpose of the project is to increase knowledge regarding the long term interrelations of energy, greenhouse gases and economic growth, especially the effects of innovations and political means on these interrelations. Economic History research has recently shown a growing interest in the interrelations of energy and economic growth. Quantitative studies by Lennart Schön and Astrid Kander on Swedish energy consumption and growth have stimulated economic historians in other countries to make comparable studies. The LEG (Long Term Energy Growth) network, led by Astrid Kander, analyses the historical energy consumption. This project will take the analyses one step further. Qualitative methods will be combined with quantitative methods to address the indirect reasons for the changed interrelations mentioned above. CIRCLE researchers involved are Lennart Schön and Astrid Kander.

Many of the projects described in the review above have been conceived as attempts to integrate parts of the four research areas of CIRCLE’s VINNOVA and Linnaeus programmes as well as to complement and consolidate ongoing research.

### **3 Teaching**

#### **3.1 ESST Master Program**

CIRCLE launched an international "Master's Programme in Society, Science and Technology" in 2005. The programme, currently hosting its fourth cohort of students, is offered in collaboration with the European Inter-University Association on Society, Science and Technology (ESST) and involves, among other things, exchange of students from the 12 actively participating universities in Europe. The programme in Lund aims at enrolling 30 students each year, both Swedish and foreign.

The ESST programme in Lund was extended from 13 months to a two-year model in 2007, a change that was made in accordance with the Bologna format now being implemented in Sweden. The four semesters in the revised format are devoted to: introductory courses in science, policy and innovation studies in areas where CIRCLE has particular expertise (1<sup>st</sup> semester); two major specialisation modules in policy and innovation studies (2<sup>nd</sup> semester); elective courses, in principle freely chosen within or outside Lund university (3<sup>rd</sup> semester); and thesis writing (4<sup>th</sup> semester). With respect to academic content, the first semester follows a general curriculum shared by all ESST member universities. Students accepted by Lund University have the opportunity of going abroad for their final semester, to specialize and write their theses.

Around 25 CIRCLE researchers contributed to the ESST programme through teaching, thesis supervision and examination. The programme was in 2008 coordinated and directed by Carl Magnus Pålsson.

#### **3.2 Undergraduate Courses**

Members of CIRCLE's staff were in 2008 involved in teaching various undergraduate courses to students at different faculties of Lund University. CIRCLE was primarily responsible for three courses at the Faculty of Engineering (LTH) and fully responsible for one course at the School of Economics and Management. One course in business



planning was also organized by CIRCLE in collaboration with Venture Cup (an organization working with a business plan competition). It should be mentioned that the student evaluations turned out to be very positive and the interactive, case-based nature of the courses was much appreciated.

#### *Introduction to Innovation Management*

This course addresses the challenges firms face as they seek to manage innovation and translate technological, market-related, economic, institutional or organizational opportunities into competitive advantage in the innovation of products (goods and services) and processes (technological and organisational). The collective character of the innovation process is stressed in a discussion of how firms can learn through collaboration. Finally, the course emphasizes that the firms need to relate to laws and regulations (institutions) as well as to technological and industrial policy in order to enhance competitiveness.

#### *Global Competition in High-Tech Sectors*

This course provides a basic understanding of how different technological strategies are formed in global competition. It concentrates primarily on outlining some of the main mechanisms and processes by which high-tech firms respond to changing patterns of international trade and investment and the integration of business networks at regional and global levels. Case material is used to illustrate how firms in high technology sectors develop and change technology strategies in the context of increasing globalized competition. The course is oriented towards problem solving and draws on a combination of real-world problem-based cases and state-of-the-art literature.

#### *Tools for Innovation Management*

Sustainable innovation is only possible when the firm has a series of routines to scan the environment in search of technological opportunities, select those opportunities that are related to its technological competence, obtain the resources to turn those opportunities into new products, market them, and learn from the past. The course provides the students with practical knowledge on how to use different tools for scanning, focusing,

implementing and learning inside the firm. After an introduction to the most significant tools available for innovation management, the course devotes particular attention to some specific tools: portfolio management, technology forecasting, patent analysis, as well as lead-user and innovation/technology audits.

### *Business Planning*

The aim of this course is to increase students' interest in entrepreneurship and to create opportunities to develop a business idea into a successful venture. Furthermore, the course aims to illustrate the importance of writing and applying a business plan, as well as to provide a clear understanding of the various dimensions that need to be taken into account in business planning. The course, carried out in collaboration with Venture Cup, consists of lectures and discussions, project work, workshops and supervision. The lectures, which are a central element of the course, address both theoretical and concrete topics. Guest-lecturers from the university and business sector provide their views on the opportunities and threats for small, newly established companies.

### *Innovation Systems and Regional Clusters*

This course is an elective course in Business Administration at the Undergraduate level. It is administered by the Department of Business Administration, School of Economics and Management, and is coordinated and delivered by CIRCLE. The course provides students with basic knowledge of innovation research and draws attention to economic and social factors that influence innovation processes. It enables students to use basic theoretical tools that help analyse the political dimensions of innovation processes and policies. Furthermore, the course aims to enhance students' understanding of innovation-related issues in different organisational, social, geographical and sectoral contexts.

CIRCLE staff members have also been teaching in many courses hosted and organized by various departments outside CIRCLE, primarily at Lund University.

### 3.3 Postgraduate courses and activities on PhD level

CIRCLE also offered one PhD course and one workshop/short course to PhD students during 2008. Those are further described below.

#### *Entrepreneurship, Innovation and Economic Growth – doctoral course*

CIRCLE offered, in collaboration with the Øresund Entrepreneurship Academy, an international doctoral course in Entrepreneurship, Innovation and Economic Growth at Lund University in spring 2008. The course approached the subject from a multidisciplinary perspective, encompassing disciplines such as economics, economic history, entrepreneurship, economic geography and innovation studies.

It consisted of three 3-day seminars over a period of three months, and with course work in between. The participants were partly from the Nordic countries and partly from VINNOVA. Practitioners engaged in entrepreneurship and innovation policies were also invited to the course. In all, the course provided participating PhD students with an overview of state-of-the-art knowledge in the area provided by invited researchers who are internationally renowned in their respective fields.

#### *Workshop/short course in Innovation and Entrepreneurship for PhD students*

This course - new for 2008 - was offered to PhD students in experimental and theoretical high-energy physics. The students belonged to an EU-financed research school and part of their PhD program was to learn about innovation and entrepreneurship. CIRCLE was asked to organize the workshop, which was done in collaboration with LU Innovation (The office at Lund University supporting innovation and commercialisation). The aim was to increase the participants' understanding of innovation and entrepreneurship, and commercialization of research. The first day consisted of lectures, from academia and industry, which were academic and theoretical as well as more practical in character. Actors supporting the commercialization of research were also invited to inform the participants about their organizations and how they could support the faculty at LU in its commercialisation efforts. On the second day the participants worked on two practical cases, which had been developed specifically for the workshop by CIRCLE and LU Innovation.

#### **4 Third Mission**

An important part of CIRCLE's activities is related to the University's Third Mission, i.e. to interact with other parts of society in everything from commercialization of innovations and academic entrepreneurship to giving strategy advice to firms and policy advice to regional, national and international organizations and agencies. As documented in the list of such activities provided in section 9 below, CIRCLE researchers have given assistance to governments, organizations and agencies such as the governments in China, Finland, and Iceland, the regional government in La Rioja, Spain, FORFAS (Irish Agency for entrepreneurship and innovation policy) (Dublin), VINNOVA, NUTEK, the EU, the OECD, the World Bank, the Research Council of Norway, the Scottish Executive, the Swedish Foundation for Small Business Research, the Centre for Business and Policy Studies, IDEON Innovation (Lund) and Region Skåne. Consultancy work for various national and international customers is also mentioned. This list of activities is testimony to CIRCLE's commitment to and recognition of the importance of the Third Mission, It also indicates the strong practical relevance and high quality of the work carried out at CIRCLE.

Lund University in many ways has become an entrepreneurial university, taking a leading role in developing the regional organisational capacity for innovation for the last 10-15 years. As such, Lund University constitutes the key node in the knowledge exploration and diffusion sub-system of the regional innovation system supporting - for example - ICT, Life Science and Functional Food clusters in cooperation with the IDEON Science Park and the leading companies in the various clusters (Sony Ericsson, Gambro as well as Dedicated Biotech Firms in Medicon Valley).

## 5 Publications during 2008

The remainder of this Annual Report covers publications and other dissemination activities by CIRCLE staff during 2008, on an individual level. The main categories addressed include: external publication, texts accepted for publication, conference participation, academic assignments, interaction with society, and external research contacts. The publications have been organized according to CIRCLE authors' names and co-authored works can be found under each CIRCLE author. Consequently, some publications will be listed more than once.

### 5.1 External publications

#### 5.1.1 Journal articles and book chapters

##### *Asheim, B.T.*

Moodysson, J., Coenen, L. and **Asheim, B. T.** (2008), Explaining Spatial Patterns of Innovation: Analytical and Synthetic Modes of Knowledge Creation in the Medicon Valley Life Science Cluster, *Environment & Planning A*, 40(5): 1040-1056.

Isaksen, A. and **Asheim, B. T.** (2008), Den regionale dimensjonen ved innovasjoner [The regional dimension of innovation], in Isaksen, A., Karlsten, A. and Sæther, B. (eds.), *Innovasjoner i norske næringer – et geografisk perspektiv*, Fagbokforlaget, Bergen.

##### *Borrás, S.*

**Borrás, S.** (2008), Policy Innovation in Innovation Policy: Policy System and Meta-Policy System Changes in Europe, *University of Tokyo Journal of Law and Politics*, 5: 103-119.

**Borrás, S.** (2008), Innovation Policy and Institutional Competitiveness in Europe and Denmark, in Nedergaard, P. and Campbell, J. L. (eds.), *Institutions and Politics*, DJOEF publishers, Copenhagen.

##### *Chaminade, C.*

**Chaminade, C.**, and Vang, J. (2008), Globalisation of Knowledge Production and Regional Innovation Policy: Supporting Specialized Hubs in Developing Countries, *Research Policy*, 37 (10): 1685-1696.

**Chaminade, C.** and Vang, J. (2008), Upgrading in Asian clusters: Rethinking the importance of interactive-learning, *Science, Technology and Society*, 13 (1): 61-94.

Dolfsma, W., **Chaminade, C.** and Vang, J. (2008), Knowledge dynamics out of balance-knowledge biased, skewed and unmatched, Introductory article to the *special issue of Research Policy* "Unbalanced knowledge dynamics", 37 (10): 1657-1658.

Vang, J., **Chaminade, C.** and Coenen, L. (2008), Learning from the Bangalore Experience: The Role of Universities in an Emerging Regional Innovation System, in D'Costa, A. and Parayil, G. (eds.), *New Asian Dynamics of Science, Technology and Innovation (ST&I)*, Palgrave Macmillan Series in "Technology, Globalization and Development".

**Chaminade, C.** (2008), Changes in the global landscape of innovation. What do we know and what are the challenges for innovation studies?, in Østreng, W. (ed.), *Interdisciplinary Communications*, Oslo, Center for Advanced Study at the Norwegian Academy of Science and Letters.

#### **Coenen, L.**

Moodysson, J., **Coenen, L.** and Asheim, B.T. (2008), Explaining Spatial Patterns of Innovation: Analytical and Synthetic Modes of Knowledge Creation in the Medicon Valley Life Science Cluster, *Environment and Planning A*, 40(5): 1040-1056.

Vang, J., Chaminade, C. and **Coenen, L.** (2008), Learning from the Bangalore Experience: The Role of Universities in an Emerging Regional Innovation System, in D'Costa, A. and Parayil, G. (eds.), *New Asian Dynamics of Science, Technology and Innovation (ST&I)*, Palgrave Macmillan Series in "Technology, Globalization and Development".

#### **Edquist, C.**

**Edquist, C.** and Hommen, L. (2008), Comparing National Systems of Innovation in Asia and Europe: Theory and Comparative Framework, in Edquist, C. and Hommen, L. (eds.), *Small Country Innovation Systems: Globalisation, Change and Policy in Asia and Europe*, Edward Elgar.

**Edquist, C.** and Hommen L. (2008), Preface, in Edquist, C. and Hommen, L. (eds.), *Small Country Innovation Systems: Globalisation, Change and Policy in Asia and Europe*, Edward Elgar.

Bitard, P., **Edquist, C.**, Hommen, L. and Rickne, A. (2008), Reconsidering the Paradox of High R&D Input and Low Innovation: Sweden, in Edquist, C. and Hommen, L. (eds.), *Small Country Innovation Systems: Globalisation, Change and Policy in Asia and Europe*, Edward Elgar.

**Edquist, C.** and Hommen, L. (2008), Concluding Chapter: Globalisation and Innovation Policy, in Edquist, C. and Hommen, L. (eds.) *Small Country Innovation Systems: Globalisation, Change and Policy in Asia and Europe*, Edward Elgar.

***Ejermo, O.***

Andersson, M. and **Ejermo, O.** (2008), Technology Specialization and the Magnitude and Quality of Exports, *Economics of Innovation and New Technology*, 17: 355-375.

**Ejermo, O.** and Kander, A. (2008), The Swedish Paradox Revisited, in Karlsson, C., Johansson, B. and Stough, R. (eds.), *Entrepreneurship and Innovation in Functional Regions*, Edward Elgar.

***Fagerberg, J.***

**Fagerberg, J.** and Srholec, M. (2008), National Innovation systems, capabilities and economic development, *Research Policy*, 37: 1417-1435.

***Gabrielsson, J.***

**Gabrielsson, J.** and Politis, D. (2008), Board control and innovation: an empirical study of small technology-based firms, in Huse, M. (ed.), *The value creating board: Corporate governance and organizational behaviour*, Routledge.

Huse, M., **Gabrielsson, J.** and Minichilli, A. (2008), How boards contribute to value creation, in Huse, M. (ed.), *The value creating board: Corporate governance and organizational behaviour*, Routledge.

Huse, M., **Gabrielsson, J.** and Minichilli, A. (2008), Knowledge and accountability: Outside directors' contribution in the corporate value chain, in Gomez, P-Y. and Moore, R. (eds.), *Board Members and Management Consultants: Redefining the Boundaries of Consulting and Corporate Governance*, special volume in Research in Management Consulting book series, Information Age Publishing.

Huse, M., **Gabrielsson, J.** and Minichilli, A. (2008), Improving corporate governance practices, in Burke, R.J. and Cooper, C.L. (eds.), *The Peak Performing Organization*, special volume in Routledge Research in Organizational Behaviour and Strategy, Routledge.

***Hellström, T.***

**Hellström, T.** (2008), Cognitive mapping of public space: Causal assumptions and core values among Nordic city planners, *European Journal of Spatial Development*, 32: 1-17.

**Hellström, T.** (2008), Transferability and naturalistic generalization: New generalizability concepts for social science or old wine in new bottles?, *Quality & Quantity*, 42: 321–337.

Johansson, M., Jacob, M. and **Hellström, T.** (2008), ‘The strength of strong ties’: University spin-offs and the significance of historical relations, in Carayannis, E. and Formanica, P. (eds.), *Knowledge Matters: Technology, Innovation and Entrepreneurship in Innovation Networks and Knowledge Clusters*, Palgrave/MacMillan.

#### ***Hommen, L.***

Edquist, C. and **Hommen, L.** (2008), Comparing National Systems of Innovation in Asia and Europe: Theory and comparative Framework, in Edquist, C. and Hommen, L. (eds.), *Small Country Innovation Systems: Globalisation, Change and Policy in Asia and Europe*, Edward Elgar Publishing.

Bitard, P., Edquist, C., **Hommen, L.** and Rickne, A. (2008), Reconsidering the Paradox of High R&D Input and Low Innovation: Sweden, in Edquist, C. and Hommen, L. (eds.), *Small Country Innovation Systems: Globalisation, Change and Policy in Asia and Europe*, Edward Elgar.

Edquist, C. and **Hommen L.** (2008), Preface, in Edquist, C. and Hommen, L. (eds.), *Small Country Innovation Systems: Globalisation, Change and Policy in Asia and Europe*, Edward Elgar.

Edquist, C. and **Hommen, L.** (2008), Concluding chapter: Globalisation and Innovation Policy, in Edquist, C. and Hommen, L. (eds.), *Small Country Innovation Systems: Globalisation, Change and Policy in Asia and Europe*, Edward Elgar.

#### ***Kander, A.***

Ejermo, O. and **Kander, A.** (2008), The Swedish Paradox Revisited, in Karlsson, C., Johansson, B. and Stough, R. (eds.), *Entrepreneurship and Innovation in Functional Regions*, Edward Elgar.

**Kander, A.** (2008), Is it simply getting worse? Agriculture and Swedish greenhouse gas emissions over 200 years, *Economic History Review*, 61: 773–797.

Enflo, K., **Kander, A.** and L. Schön (2008), Identifying Development Blocks: a New Methodology, *Journal of Evolutionary Economics* 18; 57-76.

**Kander, A.** and L. Schön (2008), Industrial dynamics and innovative pressure on energy - Sweden with European and Global outlooks, in Petersson, B. and Törnquist-Plewa, B. (eds.), *Energy Security in Europe*, Proceedings from the conference “Energy Security in Europe” Lund, September 2007.



**Kander, A.** (2008), Blir det bara värre? Svensk klimatpåverkan under 200 år [Is it simply getting worse? Swedish climate influence over 200 years], in Runefelt, L., *Svensk mosskultur: Odling, torvanvändning och landskapets förändring 1750 till 2000*, Skogs och lantbrukshistoriska meddelanden nr 41, Eskilstuna.

***Kitagawa, F.***

**Kitagawa, F.** and Woolgar, L (2008), Regionalisation of Innovation Policies and New University-Industry Links in Japan, *Prometheus*, Special Issue on Advances in Japanese Innovation, 26(1): 55-67.

**Kitagawa, F.** (2008), (Post-) Mass Higher Education and Japanese Elite Universities, in Tapper, T. (ed.), *Structuring Mass Higher Education: The Role of Elite Institutions*, Taylor and Francis.

**Kitagawa, F.** (2008), Book Review on Hardin, A. et al. (eds.) (2007), Bright Satanic Mills: Universities, Regional Development and the Knowledge Economy, *Studies in the Education of Adults*, 40(1): 129-130.

***Landström, H.***

**Landström, H.** (2008), Entrepreneurship Research – a missing link in our understanding of the knowledge economy, *Journal of Intellectual Capital*, 9 (2): 301-322.

Crijns, H., Laveren, E., **Landström, H.** and Smallbone, D. (2008), Introduction, in **Landström, H.**, Crijns, H., Laveren, E. and Smallbone, D. (eds.), *Entrepreneurship, Sustainable Growth and Performance: Frontiers in European Entrepreneurship Research*, Edward Elgar.

**Landström, H.** (2008), Foreword on entrepreneurship research, in Fayolle, A. and Kyrö, P. (eds.), *The Dynamics Between Entrepreneurship, Environment and Education*, Edward Elgar.

Manigart, S., De Maeseneire, W., Wright, M., Pruthi, S., Lockett, A., Bruining, H., Hommel, U. and **Landström, H.** (2008), How international are European venture capital firms?, in Dana, L-P., Welpe, I.M., Han, M. and Ratten, V. (eds.), *Handbook of Research on European Business and Entrepreneurship*, Edward Elgar.

Avdeitchikova, S., **Landström, H.** and Månsson, N. (2008), What do we mean when we talk about business angels? Some reflections on definitions and sampling, *Venture Capital*, 10(4): 371-394.

**Moodysson, J.**

**Moodysson, J.** (2008), Principles and practices of knowledge creation: on the organization of ‘buzz’ and ‘pipelines’ in life science communities, *Economic Geography*, 84(4): 449-469.

**Moodysson, J.**, Coenen, L., Asheim, B.T. (2008), Explaining Spatial Patterns of Innovation: Analytical and Synthetic Modes of Knowledge Creation in the Medicon Valley Life Science Cluster, *Environment and Planning A*, 40(5): 1040-1056.

**Nilsson, J. E.**

**Nilsson, J. E.** (2008), Regional tillväxtpolitik – det politiskt möjliga [Regional growth policy – the politically possible], in Giertz, E. (ed.), *När Sverige förändrades*, Studentlitteratur, Lund.

**Nygaard, S.**

**Nygaard, S.** and Russo, R. (2008), Trust, Coordination and Knowledge Flows in R&D Projects”, *Business Ethics: A European Review*, 17(1): 23-34.

**Schön, L.**

Lobell, H., **Schön, L.** and Krantz, O. (2008), Swedish Historical National Accounts, 1800-2000: Principles and Implications of a new Generation, *Scandinavian Economic History Review*, LVI(2): 142-159.

Enflo, K., Kander, A. and **Schön, L.** (2008), Identifying Development Blocks: a New Methodology, *Journal of Evolutionary Economics*, 18(1): 57-76.

**Schön, L.** (2008), Swedish agriculture in economic development, in Lains, P. and Pinilla, V. (eds.), *Agriculture and Economic Development in Europe since 1870*, Routledge Explorations in Economic History.

Kander, A. and **Schön, L.** (2008), Industrial dynamics and innovative pressure on energy - Sweden with European and Global outlooks, in Petersson, B. and Törnquist-Plewa, B. (eds.), *Energy Security in Europe*, Proceedings from the conference “Energy Security in Europe” Lund, September 2007.

**Szogs, A.**

**Szogs, A.** and Wilson, L. (2008), A system of innovation? Biomass digestion technology in Tanzania, *Technology in Society*, 30: 94-103.

**Szogs, A.** (2008), The role of mediator organizations in the making of innovation systems in least developed countries: evidence from Tanzania, *International Journal of Technology and Globalization*, 4: 223-237.

#### **Wigren, C.**

Brundin, E., **Wigren, C.**, Isaacs, E., Friedrich, C. and Visser, K. (2008), Triple Helix Networks in a Multi-Cultural Context: Triggers and Barriers for Fostering Growth and Sustainability, *Journal of Developmental Entrepreneurship*, 13(1): 77-98.

**Wigren, C.** (2008), Hur lokal kultur påverkar företagets strategiska handlingar - exemplet Gnosjö [How local culture influences firms' strategic actions – the example of Gnosjö], in Melander, A. and Nordqvist, M. (eds.), *Att förstå strategi process och kontext*, Studentlitteratur, Lund.

**Wigren, C.** and Brundin, E. (2008), Att vara interaktiv fältforskare – möjligheter och omöjligheter [To be an interactive field researcher – possibilities and impossibilities], in Johannisson, B., Gunnarsson, E. and Stjernberg, T. (eds.), *Gemensamt kunskapande: den interaktiva forskningens praktik*, Acta Wexionensia, Växjö.

#### 5.1.2 Books, booklets and special issues

#### **Benner, M.**

**Benner, M.** and Sörlin, S. (eds.) (2008), *Forska lagom och vara världsbäst. Sverige inför forskningens globala strukturomvandling* [Sweden and the global structural change of research], SNS, Stockholm.

**Benner, M.** (2008), *Kunskapsnation i kris? Politik, pengar och makt i svensk forskning* [Knowledge nation in crisis? Politics, money, and power in Swedish research], Nya Doxa.

#### **Borrás, S.**

**Borrás, S.** and Tsagdis, D. (2008), *Cluster Policies in Europe: Firms, Institutions and Governance*, Edward Elgar.

#### **Chaminade, C.**

Dolfsma, W., **Chaminade, C.** and Vang, J. (2008), Special issue of *Research Policy* "Unbalanced knowledge dynamics", 37 (10).

***Edquist, C.***

**Edquist, C.** and Hommen, L. (eds.) (2008), *Small Country Innovation Systems: Globalisation, Change and Policy in Asia and Europe*, Edward Elgar.

***Göktepe, D.***

**Göktepe, D.** (2008), *Inside the ivory tower : inventors & patents at Lund University*, Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE), Lund University, Sweden, PhD Thesis.

***Hommen, L.***

Edquist, C. and **Hommen, L.** (eds.) (2008), *Small country innovation systems: Globalisation, Change and Policy in Asia and Europe*, Edward Elgar.

***Kitagawa, F.***

**Kitagawa, F.** (2008), International Trends of Higher Education Financing, in *Research on Transformation of Higher Education and Funding Issues*, NIER, Tokyo (available in Japanese).

**Kitagawa, F.** (2008), Challenges for the Higher Education Research: Changes through the Marketization and Internationalization, in Tsukahara, S. (ed.), *Internationalization of the Higher Education Market*, Tamagawa University Press, Tokyo (in Japanese).

***Landström, H.***

**Landström, H.**, Crijns, H., Laveren, E. and Smallbone, D. (eds.) (2008), *Entrepreneurship, Sustainable Growth and Performance: Frontiers in European Entrepreneurship Research*, Edward Elgar.

***Nygaard, S.***

**Nygaard, S.** (2008), *Co-evolution of technology, markets and institutions, The case of fuel cells and hydrogen technology in Europe*, Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE), Lund University, Sweden, PhD Thesis.

***Rolfstam, M.***

**Rolfstam, M.** (2008), *Public Procurement of Innovation*, Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE) and Department of Design Sciences, Lund University, Sweden, PhD Thesis.

**Schön, L.**

**Schön, L.** (2008), *Marknadsintegration och teknisk förändring - globalisering i en historisk analys* [Market integration and technical change – globalization in a historical analysis], Underlagsrapport nr 15 till Globaliseringsrådet [report for the Globalization council of the Swedish Government], Regeringskansliet, Stockholm.

**Wigren, C.**

Wahlbin, C. and **Wigren, C.** (2008), *Att utbilda för förändring och nytänkande: En studie av sex nationella högskoleutbildningar* [To educate for change and renewal: A study of six national university college programmes], NUTEK rapport, Stockholm.

5.2 Texts accepted 2008 for publication

5.2.1 *Journal articles and book chapters*

**Asheim, B.T.**

**Asheim, B. T.**, Ejerme, O., Rickne, A. (2009), When is Regional ‘Beautiful’? Implications for Knowledge Flows, Entrepreneurship and Innovation. *Industry and Innovation*, 16 (1), 1-9.

Benneworth, P., Coenen, L., Moodysson, J. and **Asheim, B. T.** (2009), Exploring the Multiple Roles of Lund University in Strengthening the Scania Regional Innovation System: Towards Institutional Learning?, *European Planning Studies*, 17(9).

**Asheim, B. T.** (forthcoming), Regional Development: Learning Regions, in Kitchin, R. and Thrift, N. (eds.), *International Encyclopedia of Human Geography*. Elsevier.

**Asheim, B. T.** (forthcoming), Learning Regions, in Warf, B. (ed.), *Encyclopedia of Geography*, Sage.

**Asheim, B. T.**, Valentin, F. and Zeller, C. (forthcoming), Intellectual Property Rights and Innovation Systems: Issues for Governance, in Global Context, in Castle, D. (ed.), *The Role of Intellectual Property Rights in Biotechnology Innovation*, Edward Elgar.

Belussi, F. and **Asheim, B.T.** (forthcoming), Industrial Districts and Globalisation: Learning and Innovation in Local and Global Production and Innovation Systems, in Belussi, F. and Sammarra, A. (eds.), *Business Networks in Clusters and Industrial Districts: the Governance of the Global Value Chain*, Routledge.

Moodysson, J., Coenen, L. and **Asheim, B. T.** (forthcoming), Two Sides of the Same Coin? Local and Global Knowledge Flows in Medicon Valley, in Belussi, F. and Sammarra, A. (eds.), *Business Networks in Clusters and Industrial Districts: the Governance of the Global Value Chain*, Routledge.

Hansen, H. K., **Asheim, B. T.** and Vang, J. (forthcoming), The European Creative Class and Regional Development, in Kong, L. and O'Connor, J. (eds.), *Creative Economies, Creative Cities: Asian-European Perspectives*, Springer.

Hansen, H. K. and **Asheim, B.T.** (forthcoming), Technology, Talent and Tolerance in European Cities – the case of Sweden, *Tvärnsnitt*.

#### ***Borrás, S.***

**Borrás, S.**, Chaminade, C. and Edquist, C. (forthcoming), The Challenges of Globalization: Strategic Choices for Innovation Policy, in Marklund, G., Vonortas, N. and Wessner, C. (eds.), *The Innovation Imperative. National Innovation Strategies in the Global Economy*, Edward Elgar.

#### ***Chaminade, C.***

Borrás, S., **Chaminade, C.** and Edquist, C. (forthcoming), The Challenges of Globalization: Strategic Choices for Innovation Policy, in Marklund, G., Vonortas, N. and Wessner, C. (eds.), *The Innovation Imperative. National Innovation Strategies in the Global Economy*, Edward Elgar.

**Chaminade, C.**, and Edquist, C. (forthcoming), Rationales for public policy intervention in the innovation process: A systems of innovation approach, in Kulhman, S., Shapira, P., Smits, R. (eds.), *Innovation Policy-Theory and practice. An international Handbook*, Edward Elgar.

Intarakumnerd, P. and **Chaminade, C.** (forthcoming), Innovation system policies in less developed countries: the case of Thailand, in Rajah Rasiah, Thiruchelvam K. and Keun Lee (eds.), *Learning and Innovation Experiences from Asia*, Palgrave Macmillan.

Lundvall, B.A, Joseph, KJ., **Chaminade, C.** and Vang, J. (forthcoming), Innovation Systems and Developing Countries – an introduction, in Lundvall, B-A. et al. (eds.), *Innovation Systems and Developing Countries - Building Domestic Capabilities in a Global Setting*, Edward Elgar.

Padilla, R., Vang, J. and **Chaminade, C.** (forthcoming), Regional innovation systems, globalization and developing countries: When is decentralization required?, in Lundvall, B.A. et al. (eds.), *Innovation Systems and Developing Countries - Building Domestic Capabilities in a Global Setting*, Edward Elgar.

**Chaminade, C.**, Joseph, KJ, Lundvall, B-A, and Vang, J. (forthcoming), Designing IS policies for development in the new global context, in Lundvall, B.A et al. (eds.), *Innovation Systems and Developing Countries - Building Domestic Capabilities in a Global Setting*, Edward Elgar.

Vang, J. and **Chaminade, C.** (forthcoming), Local innovation systems, upgrading and innovation policy: Lessons from the Bangalore cluster, India, in Belussi, F., and Sammarra, A. (eds.), *Business networks in clusters and Industrial Districts: the Governance of the Global Value Chain*, Routledge.

Yun-Chung, C., Vang, J. and **Chaminade, C.** (forthcoming), Regional innovation systems, globalization of innovation and developing countries: lessons from China, Special Issue of *Industry and Innovation*.

Vang, J. and **Chaminade, C.** (forthcoming), Book Review on Coe, N., Kelly, P and Yeung, H. (2007), Review of Economic Geography – A contemporary Introduction, *European Planning Studies*.

#### **Coenen, L.**

Benneworth, P., **Coenen, L.**, Moodysson, J., and Asheim, B.T. (2009), Exploring the multiple roles of Lund University in Strengthening the Scania RIS: Towards Institutional Learning?, *European Planning Studies*, 17(9).

Moodysson, J., **Coenen, L.**, Asheim, B.T. (forthcoming), Two Sides of the Same Coin? Local and Global Knowledge Flows in Medicon Valley, in Belussi, F. and Sammarra, A. (eds), *Business Networks in Clusters and Industrial Districts: the Governance of the Global Value Chain*, Routledge.

**Coenen, L.**, and Moodysson, J. (2009), Putting Constructed Regional Advantage into Swedish Practice, *European Planning Studies*, 17(4).

#### **Edquist, C.**

Borrás, S., Chaminade, C. and **Edquist, C.** (forthcoming), The Challenges of Globalization: Strategic Choices for Innovation Policy, in Marklund, G., Vonortas, N. and Wessner, C. (eds.), *The Innovation Imperative. National Innovation Strategies in the Global Economy*, Edward Elgar.

Chaminade, C. and **Edquist, C.** (forthcoming), Rationales for public policy intervention in the innovation process: A systems of innovation approach, in Kuhlman, S., Shapira, P. and Smits, R., *Innovation Policy – Theory and Practice. An International Handbook*. Edward Elgar.

***Ejeremo, O.***

**Ejeremo, O.** (2009), Regional Innovation Measured by Patent Data – Does Quality Matter?, *Industry & Innovation*, 16(2).

***Fagerberg, J.***

**Fagerberg, J.** and Verspagen, B. (forthcoming), Innovation Studies - the emerging structure of a new scientific field, *Research Policy*.

**Fagerberg, J.**, Mowery, D. and Verspagen, B. (forthcoming), Innovation in Norway, in Fagerberg, J., Mowery, D. and Verspagen, B. (eds.), *Innovation, Path Dependency and Policy: The Norwegian case*, Oxford University Press.

**Fagerberg, J.** and Srholec, M. (forthcoming) Innovation systems, technology and development: Unpacking the relationship(s), in Lundvall, B-A, Joseph, KJ., Chaminade, C. and Vang, J. (eds.), *Handbook of Innovation systems and developing countries. Building domestic capabilities in a global setting*, Edward Elgar.

***Hansen, H.K.***

**Hansen, H.K.** and Nedomysl, T. (forthcoming), Migration of the creative class: evidence from Sweden. *Journal of Economic Geography*.

**Hansen, H.K.** and Winther, L. (forthcoming), The Spatial Division of Talent in City Regions: Location Dynamics of Business Services in Copenhagen, *Tijdschrift voor Economische en Sociale Geografie*.

**Hansen, H.K.**, Asheim, B.T. and Vang, J. (forthcoming), The European Creative Class and Regional Development, in Kong, L. and O'Connor, J. (eds.), *Creative Economies, Creative Cities: Asian-European Perspectives*, Springer.

**Hansen, H. K.** and Asheim, B.T. (forthcoming), Technology, Talent and Tolerance in European Cities – the case of Sweden, *Tvärnsnitt*.

***Hellström, T.***

**Hellström, T.** (forthcoming), New vistas for technology and risk assessment? The OECD Programme on Emerging Systemic Risks and beyond, *Technology and Society*.

**Hellström, T.** (forthcoming), Aesthetic creativity: Insights from classical literary theory on creative learning, *Educational Philosophy and Theory*.



***Kander, A.***

**Kander, A.** and P. Warde (forthcoming), Energy availability from livestock and agricultural productivity in Europe, 1815-1913: a new comparison, *Economic History Review*.

***Kitagawa, F.***

**Kitagawa, F.** Creating Critical Mass of Research Excellence in the Region: The Case of Scottish Research Pooling Initiatives Research Briefing, *European Planning Studies*, Vol 17. No 3, pp 487-495.

**Kitagawa, F.** (forthcoming), Universities-Industry Links and Regional Development in Japan: Are Universities for Excellence or Relevance?, *Science, Society and Technology*, Special Issue.

***Landström, H.***

Smallbone, D., **Landström, H.** and Jones-Evans, D. (forthcoming), Introduction, in Smallbone, D., Landström, H. and Jones-Evans, D. (eds.), *Entrepreneurship and Growth in Local, Regional and National Economies: Frontiers in European Entrepreneurship Research*, Edward Elgar.

**Landström, H.** and Åström, F. (forthcoming), A History of New Venture Creation Research, in Hindle, K. and Klyver, K. (eds.), *Handbook of New Venture Creation Research*, Edward Elgar.

***Moodysson, J.***

Benneworth, P., Coenen, L., **Moodysson, J.**, and Asheim, B.T. (2009), Exploring the multiple roles of Lund University in Strengthening the Scania RIS: Towards Institutional Learning?, *European Planning Studies*, 17(9).

**Moodysson, J.**, Coenen, L., Asheim, B.T. (forthcoming), Two Sides of the Same Coin? Local and Global Knowledge Flows in Medicon Valley, in Belussi, F. and Sammarra, A. (eds.), *Business Networks in Clusters and Industrial Districts: the Governance of the Global Value Chain*, Routledge.

Coenen, L., and **Moodysson, J.** (2009), Putting Constructed Regional Advantage into Swedish Practice, *European Planning Studies*, 17(4).

**Moodysson, J.** (forthcoming), Book Review on Polenske, K. (2007), The Economic Geography of Innovation, *Regional Studies*.

**Moodysson, J.** (forthcoming), Book Review on Cooke, P., De Laurentis, C., Tödtling, F., Trippel, M. (2007), Regional Knowledge Economies: Markets, Clusters and Innovation, *Economic Geography*.

**Persson, B.**

**Persson, B.** (forthcoming), Ideas, policy legacies, and strategic action: Constructing a Swedish innovation policy in the 2000s, in Rickne, A. et al. (eds.), *Regional innovation systems: The Swedish experience of policy, governance and knowledge dynamics*.

**Schön, L.**

Haupt, S., Lains, P. and **Schön, L.** (forthcoming), Sectoral Development 1945-2000, in Broadberry, S. and O'Rourke, K. (eds.), *A Unified European Economic History*, Cambridge University Press.

**Schön, L.** (forthcoming), The Rise of the Fiscal State in Sweden 1800-1914, in Cardoso, J.C. and Lains, P. (eds.), *Paying for the Liberal State*, Cambridge University Press.

**Wigren, C.**

Brundin, E., **Wigren, C.**, Isaacs, E., and Visser, K. (2009), Ethnic Entrepreneurship in a multicultural context: regional development and the unintended lock-in effects, *International Journal of Entrepreneurship and Small Business*, 8(4).

Blombäck, A. and **Wigren, C.** (forthcoming), Challenging the importance of size as determinant for CSR activities, *Management of Environmental Quality (MEQ)*.

**Wigren, C.** and Melin, L. (forthcoming), Fostering A Regional Innovation System – Looking into the Power of Policy-Making, in Hjort, D. and Steyaert, C. (eds.), *The Politics and Aesthetics of Entrepreneurship*, Edward Elgar.

Johannisson, B. och **Wigren, C.** (forthcoming), Samhälls-entreprenörskap som kreativ irritation [Societal entrepreneurship as creative irritation], in Gawell, M., Johannisson, B., and Lundqvist; M. (eds.), *Entreprenörskap med fokus på samhället - en forskarantologi om samhälls-entreprenörskap* (preliminary title), KK-stiftelsen, Stockholm.

Blombäck, A. och **Wigren, C.** (forthcoming), Svårdefinierade gränser - När företag agerar för samhällsnytta [Boundaries difficult to define – when firms act for societal benefit], in Gawell, M., Johannisson, B., and Lundqvist; M. (eds.), *Entreprenörskap med fokus på samhället - en forskarantologi om samhälls-entreprenörskap* (preliminary title), KK-stiftelsen, Stockholm.

5.2.2 Books, booklets and special issues

***Asheim, B.T.***

**Asheim, B.T.**, Ejermo, O. and Rickne, A. (eds.) (2009), Special issue of *Industry and Innovation*, 16 (1).

***Chaminade, C.***

Lundvall, B-A, Joseph, KJ., **Chaminade, C.** and Vang, J. (eds.) (forthcoming), *Handbook of Innovation systems and developing countries. Building domestic capabilities in a global setting*, Edward Elgar.

***Ejermo, O.***

Asheim, B.T., **Ejermo, O.** and Rickne, A. (eds.) (2009), Special issue of *Industry and Innovation*, 16 (1).

***Fagerberg, J.***

**Fagerberg, J.**, Mowery, D. and Verspagen, B. (eds.) (forthcoming), *Innovation, Path Dependency and Policy: The Norwegian case*, Oxford University Press.

***Kander, A.***

**Kander, A.**, Malanima, P., and P. Warde (forthcoming), *Energy in History*, Princeton University Press.

***Kitagawa, F.***

**Kitagawa, F.** (forthcoming), Travelling between Universities and Regions, *Regions*, The Newsletter of the Regional Studies Association.

**Kitagawa, F.** (forthcoming), Book Review on Cooke, P. et al. (2007), Regional Knowledge Economies: Markets, Clusters and Innovation, *Economic Geography*.

***Landström, H.***

**Landström, H.** and Löwegren, M. (eds.) (forthcoming), *Entreprenörskap och företagsetablering* [Entrepreneurship and the establishment of companies], Studentlitteratur, Lund.

Smallbone, D., **Landström, H.** and Jones-Evans, D. (eds), (2009), *Entrepreneurship and Growth in Local, Regional and National Economies: Frontiers in European Entrepreneurship Research*, Edward Elgar.

**Löwegren, M.**

Landström, H. and **Löwegren, M.** (eds.) (forthcoming), *Entreprenörskap och företagsetablering* [Entrepreneurship and the establishment of companies], Studentlitteratur, Lund.

5.2.3 *CIRCLE Working papers during 2008*

**Asheim, B.T.**

Moodysson, J., Coenen, L. and **Asheim, B.T.** (2008), Two Sides of the Same Coin? Local and Global Knowledge Flows in Medicon Valley, *CIRCLE Electronic Working Paper Series*, WP 2008/15.

**Borrás, S.**

**Borrás, S.**, Chaminade, C. and Edquist, C. (2008), The Challenges of Globalisation: Strategic Choices for Innovation Policy, *CIRCLE Electronic Working Paper Series*, WP 2008/09.

**Chaminade, C.**

Szogs, A., **Chaminade, C.** and Azatyan, R. (2008), Building absorptive capacity in less developed countries. The case of Tanzania, *CIRCLE Electronic Working Paper Series*, WP 2008/05.

Borrás, S., **Chaminade, C.** and Edquist, C. (2008), The Challenges of Globalisation: Strategic Choices for Innovation Policy, *CIRCLE Electronic Working Paper Series*, WP 2008/09.

Padilla, R., Vang, J. and **Chaminade, C.** (2008), RIS and Developing Countries: Linking firm technological capabilities to regional systems of innovation, *CIRCLE Electronic Working Paper Series*, WP 2008/13.

Yun-Chung, C., Vang, J. and **Chaminade, C.** (2008), Regional innovation systems and the global location of innovation activities: Lessons from China, *CIRCLE Electronic Working Paper Series*, WP 2008/18.

**Chaminade, C.** and Vang, J., (2008), Globalisation of Knowledge Production and Regional Innovation Policy: Supporting Specialized Hubs in the Bangalore Software Industry, *CIRCLE Electronic Working Paper Series*, WP 2008/20.

**Chaminade, C.** and Vang, J. (2008), Upgrading in Asian clusters: Rethinking the importance of interactive-learning, *CIRCLE Electronic Working Paper Series*, WP 2008/21.

**Coenen, L.**

**Coenen, L.** and Moodysson, J. (2008), Putting Constructed Regional Advantage into Swedish Practice? The case of the VINNVÄXT initiative 'Food Innovation at Interfaces', *CIRCLE Electronic Working Paper Series*, WP 2008/11.

Moodysson, J., **Coenen, L.** and Asheim, B.T. (2008), Two Sides of the Same Coin? Local and Global Knowledge Flows in Medicon Valley, *CIRCLE Electronic Working Paper Series*, WP 2008/15.

**Edquist, C.**

**Edquist, C.** (2008), Design of Innovation Policy through Diagnostic Analysis: Identification of Systemic Problems (or Failures), *CIRCLE Electronic Working Paper Series*, WP 2008/06.

Borrás, S., Chaminade, C. and **Edquist, C.** (2008), The Challenges of Globalisation: Strategic Choices for Innovation Policy, *CIRCLE Electronic Working Paper Series*, WP 2008/09.

**Edquist, C.** and Hommen, L. (2008), Comparing national systems of innovation in Asia and Europe: theory and comparative framework, *CIRCLE Electronic Working Paper Series*, WP 2008/10.

Bitard, P., **Edquist, C.**, Hommen L., and Rickne, A. (2008), The paradox of high R&D and low Innovation output: Sweden, *CIRCLE Electronic Working Paper Series*, 2008/14.

**Edquist, C.** and Hommen, L. (2008), Concluding Chapter: Globalisation and Innovation Policy, *CIRCLE Electronic Working Paper Series*, WP 2008/17.

**Ejermo, O.**

**Ejermo, O.** and Gråsjö, U. (2008), The Effects of R&D on Regional Invention and Innovation, *CIRCLE Electronic Working Paper Series*, WP 2008/03.

**Ejermo, O.**, Kander, A. and Svensson-Henning, M. (2008), The Swedish Paradox Arises in Fast Growing Sectors, *CIRCLE Electronic Working Paper Series*, WP 2008/07.

**Hommen, L.**

Edquist, C. and **Hommen, L.** (2008), Comparing national systems of innovation in Asia and Europe: theory and comparative framework, *CIRCLE Electronic Working Paper Series*, WP 2008/10.

Bitard, P., Edquist, C., **Hommen L.** and Rickne, A. (2008), The paradox of high R&D and low Innovation output: Sweden, *CIRCLE Electronic Working Paper Series*, 2008/14.

Edquist, C. and **Hommen, L.** (2008), Concluding Chapter: Globalisation and Innovation Policy, *CIRCLE Electronic Working Paper Series*, WP 2008/17.

***Kander, A.***

Ejermo, O., **Kander, A.** and Svensson-Henning, M. (2008), The Swedish Paradox Arises in Fast Growing Sectors, *CIRCLE Electronic Working Paper Series*, WP 2008/07.

**Kander, A.**, Malanima, P. and Warde, P. (2008), Energy transitions in Europe 1600-2000, *CIRCLE Electronic Working Paper Series*, WP 2008/12

**Kander, A.**, Enflo, K., and Schön, L. (2008), Electricity and energy productivity, *CIRCLE Electronic Working Paper Series*, WP 2008/16.

***Kitagawa, F.***

**Kitagawa, F.** (2008), Policy Reforms, New University-Industry Links and Implications for Regional Development in Japan, *CIRCLE Electronic Working Paper Series*, WP 2008/08.

***Malmberg, C.***

**Malmberg, C.** (2008), R&D and financial systems: the determinants of R&D expenditures in the Swedish pharmaceutical industry, *CIRCLE Electronic Working Paper Series*, WP 2008/01.

***Moodysson, J.***

**Moodysson, J.**, Nilsson, M. and Svensson Henning, M. (2008), Clusters in Time and Space: Understanding the Growth and Transformation of Life Science in Scania, *CIRCLE Electronic Working Paper Series*, WP 2008/04.

Coenen, L. and **Moodysson, J.** (2008), Putting Constructed Regional Advantage into Swedish Practice? The case of the VINNVÄXT initiative 'Food Innovation at Interfaces', *CIRCLE Electronic Working Paper Series*, WP 2008/11.

**Moodysson, J.**, Coenen, L. and Asheim, B.T. (2008), Two Sides of the Same Coin? Local and Global Knowledge Flows in Medicon Valley, *CIRCLE Electronic Working Paper Series*, WP 2008/15.

***Persson, B.***

**Persson, B.** (2008), The Development of a New Swedish Innovation Policy A Historical Institutional Approach, *CIRCLE Electronic Working Paper Series*, WP 2008/02.

**Schön, L.**

Kander, A., Enflo, K. and **Schön, L.** (2008), Electricity and energy productivity, *CIRCLE Electronic Working Paper Series*, WP 2008/16.

**Szogs, A.**

**Szogs, A.**, Chaminade, C. and Azatyan, R. (2008), Building absorptive capacity in less developed countries. The case of Tanzania, *CIRCLE Electronic Working Paper Series*, WP 2008/05.

**Szogs, A.** (2008), The Role of mediator organisations in the making of innovation systems in least developed countries. Evidence from Tanzania, *CIRCLE Electronic Working Paper Series*, WP 2008/19.

5.2.4 *Other working papers*

**Fagerberg, J.**

**Fagerberg, J.** and Srholec, M. (2008), Technology and development: Unpacking the relationship(s), *Working Papers on Innovation Studies*, 20080623, Centre for Technology, Innovation and Culture, University of Oslo.

**Fagerberg, J.**, Mowery, D. and Verspagen, B. (2008), Innovation-systems, path-dependency and policy: The co-evolution of science, technology and innovation policy and industrial structure in a small, resource-based economy, *Working Papers on Innovation Studies*, 20080624, Centre for Technology, Innovation and Culture, University of Oslo.

**Fagerberg, J.** and Verspagen, B. (2008), Innovation Studies – the emergence of a new scientific field, *Working Papers on Innovation Studies*, 20080622, Centre for Technology, Innovation and Culture, University of Oslo.

## 6 Conferences during 2008

### 6.1 Participation with presentation of paper

#### *Asheim, B.T.*

**Asheim, B. T.** (2008), Paper presentation, DIME workshop, Strasbourg, France, April.

**Asheim, B. T.** (2008), Paper presentation, AAG (Association of American Geographers) Annual Conference, Boston, Massachusetts, April.

**Asheim, B. T.** (2008), Paper presentation, RSA workshop on inter-regional cooperation, Pisa, Italy, May.

**Asheim, B. T.** (2008), Paper presentation, RSA (Regional Studies Association) European conference, Prague, Czech Republic, May.

**Asheim, B. T.** (2008), Paper presentation, Workshop on innovation, University of Kingston, London, June.

Moodysson, J., **Asheim, B.T.** and Kitagawa, F. (2008), Paper presentation, *Constructing Regional Advantage: Conceptual Framework and Illustrations from New Media and Biotechnology in Southern Sweden*, paper presented at Diverse Europes: Urban and Regional Openings, Connections and Exclusions, 7th European Urban & Regional Studies Conference, Istanbul, Turkey, September.

**Asheim, B. T.** (2008), Paper presentation, Seminar on regional innovation policy, Santander, Spain, October.

**Asheim, B. T.** (2008), Paper presentation, Workshop on innovation policy and university-industry cooperation, University of Agder, Kristiansand, Norway.

#### *Borrás, S.*

**Borrás, S.** (2008), *Innovation Policy and Institutional Competitiveness in Europe and Denmark*, paper presented at the conference in honour of Professor Ove K. Pedersen's 60th Birthday, CBS, Denmark, April.

**Borrás, S.** (2008), *The Widening and Deepening of Innovation Policy: What Conditions Provide for Effective Governance?*, paper presented at the Globelics-PRIME International Conference 2008, Mexico City, Mexico, September.



### *Chaminade, C.*

Szogs, A., Azatyan, S. and **Chaminade, C.** (2008), *Building absorptive capacity in less developing countries: The case of Tanzania*, paper presented at Globelics, Mexico City, Mexico, September.

**Chaminade C.**, Intarakumnerd P. and Sapprasert K. (2008), *Measuring systemic failures in IS in developing countries using survey data: The case of Thailand*, paper presented at Globelics, Mexico City, Mexico, September.

### *Coenen, L.*

**Coenen, L.** and Diaz Lopez, F. (2008), *Comparing systemic approaches to innovation for sustainability and competitiveness*, paper presented at DIME International Conference “Innovation, Sustainability and Policy”, GREThA, University Montesquieu Bordeaux IV, France, September.

**Coenen, L.** and Diaz Lopez, F. (2008), *Niche Experimentation and Innovation: Towards a Novel Framework for Regional Innovation Strategies*, paper presented at DIME international Workshop “Climate Change & Eco-Innovation: Regional Perspectives”, Aalborg University School of Development & Planning, Denmark, November.

**Coenen, L.** and Rickne, A. (2008), *Towards a dynamic framework to understand and monitor collective governance of regional innovation processes*, paper presented at a workshop organised by Dahmén-institutet entitled “Regional innovation systems: The Swedish experience of policy, governance and knowledge dynamics”, Costa Brava, Spain, October.

### *Edquist, C.*

**Edquist, C.** (2008), Keynote, Pujiang Innovation Forum: “The Road to the Innovative Country”, Shanghai, China, May.

**Edquist, C.** (2008), presentation on innovation strategies at the Centre for Advanced Study at the Norwegian Academy of Science and Letters, Norway, June.

**Edquist, C.** (2008), *Design of Innovation Policy through Diagnostic Analysis: Identification of Systemic Problems (Failures)*, paper presented at the Prime International Conference, Mexico City, September.

**Edquist, C.** (2008), presentation at “Små lands innovasjonssystem” [The Innovation Systems of Small Countries], organized by NIFU STEP, Oslo, Norway, October.

***Ejeremo, O.***

**Ejeremo, O.** and Gråsjö, U. (2008), *The Effects of R&D on Regional Invention and Innovation*, paper presented at the 48th European Congress of the Regional Science Association (ERSA), University of Liverpool, Liverpool, UK, August.

**Ejeremo, O.** and Gråsjö, U. (2008), *The Effects of R&D on Regional Invention and Innovation*, paper presented at the 11th Uddevalla Symposium, "Spatially Dispersed Production and Network Governance", Kyoto, Japan, May.

Kander, A. and **Ejeremo, O.** (2008), *Swedish Business Research Productivity – improvement against international trends*, paper presented at FIG (Firms Innovation and Growth) Workshop, Lund, Sweden, January.

***Fagerberg, J.***

**Fagerberg, J.** (2008), *New insights for understanding innovation and competence building for sustainable development and social justice*, paper presented at Globelics, Mexico City, Mexico, September.

**Fagerberg, J.** (2008), *Knowledge and Economy*, paper presented at the Fifth Interdisciplinary Symposium on Knowledge and Space, Heidelberg, Germany, June.

***Gabrielsson, J.***

Huse, M. and **Gabrielsson, J.** (2008), *Boards of directors and corporate innovation: An empirical investigation from a team production approach*, paper presented at EURAM Annual Conference, Ljubljana, Slovenia, May.

Politis, D. and **Gabrielsson, J.** (2008), *Exploration and exploitation as learning strategies among entrepreneurs: Associations with entrepreneurial knowledge*, paper presented at the 2008 Academy of Management Annual Meeting, Anaheim, California, USA, August.

Politis, D. and **Gabrielsson, J.** (2008), *Career experience and its associations with entrepreneurial knowledge*, paper presented at EURAM Annual Conference, Ljubljana, Slovenia, May.

Voordeckers, W., Van Gils, A., **Gabrielsson, J.**, Huse, M. and Politis, D. (2008), *Structures and behaviour: a cross-country comparison of boards of directors in SMEs*, paper presented at EURAM Annual Conference, Ljubljana, Slovenia, May.

***Hansen, H.K.***

**Hansen, H.K.** and Niedomysl, T. (2008), *Migration of the creative class: evidence from Sweden*, paper presented at "The Experience the Creative Economy", Toronto, June.

**Hansen, H.K.** and Winther, L. (2008), *The Geography of Talent in Denmark: Employment Growth, Spatial Dynamics and the Role of the Public Sector*, paper presented at ERSA Annual conference, Liverpool, UK, August.

***Hellström, T.***

**Hellström, T.** and Jacob, M. (2008), *Revisiting 'Weinberg's choice': Old and new tensions in the concept of scientific merit*, paper presented at the 4S/EASST Conference, Rotterdam, the Netherlands, August.

***Kander, A.***

**Kander, A.**, Malanima, P. and P. Warde (2008), *Energy transitions in Europe 1600-2000*, paper presented at Technological discontinuities and transitions: Evolution theory and inter-disciplinary crossovers, Eindhoven University of Technology, the Netherlands, May.

**Kander, A.** and Ejermo, O. (2008), *Swedish Business Research Productivity – improvement against international trends*, paper presented at FIG (Firms Innovation and Growth) Workshop, Lund Sweden, January.

***Kitagawa, F.***

Stenberg, L. and **Kitagawa, F.** (2008), *Linking research excellence & innovation and economic growth in the globalised economy- Comparing National Policies and Implications for the Regional Knowledge Economy in Sweden and Japan*, paper presented at DIME International Workshop "Reconsidering the Regional Knowledge Economy: Theoretical, Empirical and Policy Insights from Diverse Research Approaches", Newcastle University, UK, September.

**Kitagawa, F.** and Oba, J. (2008), *Connecting Excellence and Diversity at System, Institutional and Regional level: Managing Differentiation of Higher Education System in Japan*, paper presented at the 21<sup>st</sup> CHER Annual Conference Excellence and Diversity in Higher Education. Meanings, Goals, and Instruments, Università degli Studi di Pavia, Pavia, Italy, September.

**Kitagawa, F.** (2008), *Policy Reforms, New University-Industry Links and Implications for Regional Development in Japan*, paper presented at the 25th DRUID Celebration Conference 2008 on Entrepreneurship and Innovation, Copenhagen, Denmark, June.

Moodysson, J., Asheim, B.T. and **Kitagawa, F.** (2008), *Constructing Regional Advantage: Conceptual Framework and Illustrations from New Media and Biotechnology in Southern Sweden*, paper presented at Diverse Europes: Urban and Regional Openings, Connections and Exclusions, 7th European Urban & Regional Studies Conference, Istanbul, Turkey, September.

***Landström, H.***

**Landström, H.** (2008), Key note, EBAN Annual Congress, Arnhem, the Netherlands, April.

**Landström, H.** (2008), Key note, Nordic Conference on Small Business Research, Tallin, Estonia, May.

***Malmberg, C.***

**Malmberg, C.** (2008), *R&D and financial systems: the determinants of R&D expenditures in the Swedish pharmaceutical industry*, paper presented at the 25th DRUID Celebration Conference on Entrepreneurship and Innovation, Copenhagen, Denmark, June.

***Moodysson, J.***

**Moodysson, J.,** Asheim, B.T. and Kitagawa, F. (2008), *Constructing Regional Advantage: Conceptual Framework and Illustrations from New Media and Biotechnology in Southern Sweden*, paper presented at Diverse Europes: Urban and Regional Openings, Connections and Exclusions, 7th European Urban & Regional Studies Conference, Istanbul, Turkey, September.

**Moodysson, J.** (2008), *Sites and Modes of Knowledge Creation*, paper presented at the conference on Regional Development and the Role of Industrial Clusters, Hosei University, Tokyo, Japan, February.

***Persson, B.***

**Persson, B.** (2008), *Idéer, identitet och legitimitetsskapande: Etableringen av Verket för innovationssystem 2001-2008* [Ideas, identity and creation of legitimacy: the establishment of VINNOVA 2001-2008], paper presented at Nordic Association for Political Science (NOPSA) conference, Tromsø, Norway, August.

**Persson, B.** (2008), *Sweden's Innovation Policy: Steering and coordination in a fuzzy policy field*, paper presented at the workshop "Regionala utvecklingsinitiativ", Jönköping, Sweden, March.

**Persson, B.** (2008), *Ideas, policy legacies, and strategic action: Constructing a Swedish innovation policy in the 2000s*, paper presented at the workshop "Regional innovation systems: The Swedish experience of policy, governance and knowledge dynamics", Costa Brava, Spain, October.

**Schön, L.**

**Schön, L.** (2008), *Technological Waves and Economic Growth - Sweden in an International Perspective*, paper presented at the Rainer Fremdling honorary seminar, Groningen, the Netherlands, February.

**Szogs, A.**

**Szogs, A.**, Chaminade, C. and Azatyan, R. (2008), *Building absorptive capacity in less developed countries: The case of Tanzania*, paper presented at Globelics, Mexico City, Mexico, September.

**Wigren, C.**

Karlsson, T. and **Wigren, C.** (2008), *The start up of new businesses by scientists: Liabilities of newness and beyond*, paper presented at the RENT XXII conference, Covilhã, Portugal, November.

Blombäck, A. and **Wigren, C.** (2008), *Multinationals as Community Actors? Reflections on Small vs. Large firm CSR*, paper presented at the 2008 Corporate Responsibility Research Conference, Queen's University Belfast, UK, September.

**Wigren, C.** (2008), *Participation in communication and cooperation by Swedish academics at the PCTS-conference (Public Communication of Science and Technology) in Malmö, Sweden*, (presentation but no paper.)

## 6.2 Participation

**Asheim, B.T.**

**Asheim, B. T.**, Centre for Advanced Study at the Norwegian Academy of Science and Letters, workshop on innovation research, Oslo, Norway, May.

**Asheim, B. T.**, The Norwegian Research Council, seminar on the research project "Vekstforsk", Oslo, Norway, June.

**Chaminade, C.**

**Chaminade C.**, Invited panel discussant, "What could be a good mix of Local/Regional/National policies to foster local innovation systems?", Globelics, Mexico City, Mexico, September.

***Edquist, C.***

**Edquist, C.**, Conference on *Innovation Policy* organized by the theme “Understanding Innovation” at the Centre for Advanced Study at the Norwegian Academy of Science and Letters, Norway, May.

**Edquist, C.**, Vietnam-Sweden Research Cooperation Program, Hanoi , Vietnam, April.

**Edquist, C.**, Participation in a panel discussion on university-industry relations at the Prime International Conference, Mexico City, Mexico, September.

***Hellström, T.***

**Hellström, T.**, Seminar on impact assessment arranged by The Norwegian Research Council and VINNOVA, October.

***Kitagawa, F.***

**Kitagawa, F.**, Regional Studies Association, International Conference in Prague, Czech Republic, May.

***Malmberg, C.***

**Malmberg, C.**, FIG (Firms Innovation and Growth) Workshop, Lund, Sweden, January.

***Plechero, M.***

**Plechero M.**, Globelics Conference, Mexico City, Mexico, September.

**Plechero M.**, Workshop for the NFR Latin American Programme “Innovation, Trade and Growth in Latin America”, NUPI, Oslo, Norway, October.

***Schön, L.***

**Schön, L.**, Invited discussant at the Conference of the Swedish Network of European Research, Mölle, Sweden, May.

***Szogs, A.***

**Szogs, A.**, Gave an interactive session as Faculty Member at the NEPAD training workshop on Science, Technology and Innovation Indicators, Research Council for Scientific and Industrial Research (CSIR) of South Africa, Pretoria, South Africa, March.

### 6.3 Arrangement of conferences

#### *Asheim, B.T.*

**Asheim, B. T.**, Special sessions, RSA European conference, Prague, Czech Republic, May.

**Asheim, B. T.**, Co-organiser of the first European doctoral course in economic geography, Utrecht University, Utrecht, the Netherlands, September-November.

**Asheim, B. T.**, Special sessions, EURS conference, Istanbul, Turkey, September.

**Asheim, B. T.**, Co-organiser of seminar on regional innovation policy, Santander, Spain, October.

#### *Borrás, S.*

**Borrás, S.**, Convenor of two sessions, Prime Final Conference, “The Future of Innovation Policy: Creative Destruction, Neue Kombinationen and White Elephants”, Aix en Provence, France, December.

#### *Ejerme, O.*

**Ejerme, O.** and Rickne, A., Organizer of the “Dahmén sessions”, 11th Uddevalla Symposium, Kyoto, Japan, May.

#### *Fagerberg, J.*

**Fagerberg, J.**, Workshop on Evolutionary theory and policy, Refsnes Gods, Moss, Norway, March.

#### *Gabrielsson, J.*

**Gabrielsson, J.**, Landström, H. and Kitagawa, F., Ph D course on Entrepreneurship, Innovation and Economic Growth, Lund, January to May.

#### *Hellström, T.*

**Hellström, T.**, Panel organizer and discussant, 4th International Conference on Service & Innovation, Malmö, Sweden, November.

#### *Kander, A.*

**Kander, A.** and Nuvolari, A., FIG (Firms Innovation and Growth) workshop, Lund, Sweden, January.

*Kitagawa, F.*

Gabrielsson, J., Landström, H. and **Kitagawa, F.**, Ph D course on Entrepreneurship, Innovation and Economic Growth, Lund, January to May.

*Landström, H.*

Gabrielsson, J., **Landström, H.** and Kitagawa, F., Ph D course on Entrepreneurship, Innovation and Economic Growth, Lund, January to May.

**Landström, H.**, Ph D Course in Entrepreneurship, BI Oslo, Norway, September to November.

**7 Guest lectures**

*Asheim, B.T.*

**Asheim, B. T.**, Key note (introduction to master course in innovation management), University of Bologna, Bologna, Italy, January.

**Asheim, B. T.**, Key note, conference organized by Ministry of Innovation, Seoul, Korea, January.

**Asheim, B. T.** (2008), Key note, Workshop on German – Japanese research project on ICT Berlin, Germany, January.

**Asheim, B. T.**, Guest lecture, Department of Economics, University of Porto, Portugal, February.

**Asheim, B. T.**, Guest lecture, Department of Geography, University of Maynooth, Ireland, March.

**Asheim, B. T.**, Guest lecture, Department of economics, University of Padua, Italy, May.

**Asheim, B. T.**, Key note, Pujiang Innovation Forum, organized by the Chinese ministry for innovation and the local government of Shanghai, Shanghai, China, May.

**Asheim, B. T.**, Guest lecture, series of lectures on innovation policy, University of Algarve, Faro, Portugal, June.

**Asheim, B. T.**, Key note, regional conference on SMEs and innovation organized by the World Bank, Ancona, Italy, June.



**Asheim, B. T.**, Guest lecture, Department of Geography, Utrecht University, European doctoral course in economic geography, Utrecht, the Netherlands, September.

**Asheim, B. T.** (2008), Key note, KITE (DIME workshop), University of Newcastle Business School, UK, September.

**Asheim, B. T.** (2008), Key note, EUIP (European Industrial Policy) European Conference, San Sebastian, Spain, September.

**Asheim, B. T.** (2008), Key note, Workshop on inter-regional cooperation, Barcelona, Spain, October.

**Asheim, B. T.** (2008), Key note, Innovation conference, UCD (University College Dublin), Dublin, Ireland, December.

**Asheim, B. T.** (2008), Key note, Workshop on industrial districts globally, University of Padua, Italy, December.

#### ***Borrás, S.***

**Borrás, S.**, “Multi-level science, technology and innovation policy in the EU”, plenary session at the Globelics-PRIME International Conference 2008, Mexico City, Mexico, September.

**Borrás, S.**, Guest lecture, “Cluster Policies in Europe: Firms, Institutions and Governance”, Faculty of Economics, Ljubljana University, Slovenia, March.

**Borrás, S.**, Guest lecture, “STI Policy and Systems. How did we wind up here?” Research Policy Institute, Lund University, Sweden, June.

**Borrás, S.**, “Las políticas de cluster en Europa” [The cluster policies in Europe], guest lecture in the course “Los clusters como modelo de desarrollo territorial”, Universidad Juan Carlos I de Madrid, Spain, July.

**Borrás, S.**, Guest lecture, “The OMC in the EU Science, technology and innovation policy”, Eurosciences Congress 2008, Barcelona, Spain, July.

**Borrás, S.**, Guest presentation, “The systemic perspective of EU innovation policy – and its limits”, presented at the workshop “The evolution of a global knowledge economy: challenging (our thinking of) policy?”, Center for Advanced Studies, Norwegian Academy of Sciences, Refsnes, Norway, May.

**Borrás, S.**, Guest presentation, “Knowledge appropriability and knowledge diffusion: What theoretical rationales for patent reform policy?” at International Symposium to form a new interdisciplinary network for the handling of knowledge in a knowledge-

based society, organised by Steinbeis Research Center Technology Management Northeast, Munich, Germany, September.

***Chaminade, C.***

**Chaminade C.**, Invited speaker, “The globalization of innovation: challenges ahead for Central America countries” at the workshop for the NFR Latin American Programme “Innovation, Trade and Growth in Latin America”, NUPI, Oslo, October.

**Chaminade C.**, Guest lecture at VINNOVA’s International Training Program on clusters and cluster policy in developing countries, Stockholm, Sweden, September.

**Chaminade C.**, Guest lecture on Globalization of Innovation, GIBS, University Pretoria, South Africa, May.

**Chaminade, C.**, Guest lecture on China and India in the new division of labor, ”From low-cost providers to innovators: a look at India”, NUPI seminar series Oslo, Norway, February.

**Chaminade C.**, Guest lecture on clusters, regional innovation systems and triple helix at Region Skåne, Sweden, January.

***Edquist, C.***

**Edquist, C.**, Invited speaker, “Innovations – Medicine for Sweden”, at the FLÄK Ph. D. School Workshop on pharmaceuticals, Brösarp, Sweden, June.

**Edquist, C.**, Participation in a panel discussion on “The future of the pharmaceutical industry in Sweden” at the FLÄK Ph. D. School Workshop on pharmaceuticals, Brösarp, Sweden, June.

**Edquist, C.**, Guest lecture, “Innovation systems in a sectoral perspective – the relevance for Vietnam”, NISTPASS, Hanoi, Vietnam, April.

**Edquist, C.**, Guest lecture on Innovation Systems and Innovation policy at the International Training Programme on Innovation Systems organised by VINNOVA (The Swedish Agency for Innovation Systems) and financed by SIDA (The Swedish International Development Agency), Stockholm, Sweden, September.

***Hansen, H.K.***

**Hansen, H.K.**, ”Florida i en svensk kontext” [Florida in a Swedish context], key note speech at the workshop ”Platsens kvalitativa betydelse för kreativitet”, Karlstads University, Karlstad, Sweden, November.

***Hellström, T.***

**Hellström, T.**, Invited speaker on Research Training Day at the Department of Chemistry, Theme: 'Externally funded PhD projects', Lund University, Lund, Sweden, January.

**Hellström, T.**, "The new global research system - challenges facing young supervisors today", course for PhD-supervisors, funded by NordForsk, Estonia, September.

***Kander, A.***

**Kander, A.**, Guest lecture, Economic institute, Copenhagen, Denmark, April.

**Kander, A.**, Guest lecture, Livsmedelsekonomiska institutet, Lund University, Lund, Sweden, May.

**Kander, A.**, Guest lecture, IIEE, Lund University, Lund, Sweden, December.

***Kitagawa, F.***

**Kitagawa, F.**, Invited speaker, "Research alliance in East Asia: Internationalisation, Open Innovation and New Strategies", workshop on Innovation, Industrial Dynamics and Networks in Asia, Gothenburg University, Business School, Gothenburg, Sweden, December.

**Kitagawa, F.**, Invited speaker, "International Links between Regions in East Asia", at "Regional Economies in a Globalising World: Enhancing Intellectual Capacity and Innovation", British Council Wales and IWA, Cardiff University, UK, November.

**Kitagawa, F.**, Invited international speaker, "The history of Japanese regional development policy and its assessment", at "International Experiences of Regional Policy and Policy Implications for Korea", KDI, Seoul, Korea, July.

**Kitagawa, F.**, Invited speaker, "Sustainability from the Perspective of Regional Innovation Systems", at Kashiwa Sustainability Science Seminar Series 3, University of Tokyo, Kashiwa campus, Japan, July.

***Landström, H.***

**Landström, H.**, Guest lecture, Nordisk InnovationsCenter, Oslo, Norway, November.

**Landström, H.**, Guest lecture, Företagarna, Stockholm, Sweden, November.

*Moodysson, J.*

**Moodysson, J.**, Guest lecture, "Sites and Modes of Knowledge Creation: On the Spatial Organization of Biotechnology Innovation", Department of Human Geography, Karlstad University, Karlstad, Sweden, May.

**Moodysson, J.**, Guest lecture, "Constructing Regional Advantage: Towards State-of-the-Art Regional Innovation System Policies (in Europe)?", Hosei University Regional Research Centre, Tokyo, Japan, February.

*Persson, B.*

**Persson, B.**, Key note speaker, "Nya former för samverkan universitet-samhälle, bortom mode 2 och Triple Helix" [New forms of cooperation university-society, beyond mode 2 and Triple Helix], at the workshop "Kontinuitet og endring i høyere utdanning Nye institusjonelle ordninger for å møte det nye kunnskapssamfunnets behov?", Høgskolen i Østfold, Norway, January.

**Persson, B.**, Guest lectures, Master Programme, Linköping University, Linköping, Sweden, September.

## **8 Academic assignments**

*Asheim, B.T.*

**Asheim, B. T.**, Deputy director of CIRCLE, Lund University, Lund, Sweden.

**Asheim, B. T.**, Professor II, University of Agder, Kristiansand, Norway.

**Asheim, B. T.**, Visiting professor, National University of Maynooth, Ireland.

**Asheim, B. T.**, Lund university representative in DIME (Dynamic industry and markets in Europe), which is a EU Network of Excellence.

**Asheim, B. T.**, Member, International Advisory Board, Innovation System Research Network, Canada (organized by University of Toronto, and running a 5-years all Canadian research project).

**Asheim, B. T.**, Member, Scientific Advisory Board, KITE (Centre for Knowledge, Innovation, Technology and Entrepreneurship), University of Newcastle Business School, UK.

**Asheim, B. T.**, Member of International Advisory Board, 6<sup>th</sup> FP, organized by CURDS, University of Newcastle, UK.

**Asheim, B. T.**, Member, International Advisory Board for the EU funded CURE (Corporate Culture and Regional Embeddedness) project, organised by Institut Arbeit und Technik, Fachhochschule Gelsenkirchen, Germany.

**Asheim, B. T.**, Member, Social Science Faculty research committee, Lund University, Sweden.

**Asheim, B. T.**, Member of evaluation committee for professorship in regional economic at South Denmark University, Esbjerg branch.

**Asheim, B. T.**, Member of evaluation committee for professorship in innovation policy at Copenhagen Business School, Denmark.

**Asheim, B. T.**, Member of evaluation committee for lectureship at Aalborg University, Denmark.

**Asheim, B. T.**, Member of evaluation committee for lectureship in innovation at the Norwegian Marketing School (Norges Markedhøgskole), Norway.

**Asheim, B. T.**, Member of evaluation committee for post-doc position at University of Algarve, Faro, Portugal.

**Asheim, B. T.**, External examiner of PhD thesis at Department of Geography, University of Toronto, Canada, November.

**Asheim, B. T.**, Opponent of Master thesis at Department of Economics, University of Porto, Portugal, February.

**Asheim, B. T.**, Member of examination committee for PhD thesis, CIRCLE, Lund, Sweden, February.

**Asheim, B. T.**, Opponent at final seminar of PhD thesis, Department of Business Economics, Lund School of Economics and Management, Lund, Sweden.

**Asheim, B. T.**, Member of examination committee for PhD thesis, Department of Business Economics, Lund School of Economics and Management, Lund, Sweden.

### ***Borrás, S.***

**Borrás, S.**, Ph.D. evaluation committee for Max Rolfstam, “Public Procurement of Innovation”, CIRCLE, Lund university, Sweden, June.

**Borrás, S.**, Ph.D. evaluation committee for Anja Cotic Svetina, “Collective Learning in Clusters: Theoretical and Empirical Investigation” Faculty of Economics, Ljubljana University, Slovenia, March.

***Edquist, C.***

**Edquist, C.**, Director of CIRCLE, Lund University, Lund, Sweden.

**Edquist, C.**, Member of a High Level Advisory Group (HLAG) for a study on “Analysing and Evaluating the Impact on Innovation of Publicly Funded Research Programmes” carried out for DG Research, European Commission by Intrasoft International S.A., Luxembourg.

**Edquist, C.**, Invited guest professor within the theme “Understanding Innovation” at the Centre for Advanced Study at the Norwegian Academy of Science and Letters, May and June.

**Edquist, C.**, Presentation on the Linnaeus research environment “Innovation, Entrepreneurship and Knowledge Creation”, The Swedish Research Council, Stockholm, April.

**Edquist, C.**, Member of the editorial board of *Science and Public Policy*.

**Edquist, C.**, Discussant on three papers at the Prime International Conference, Mexico City, Mexico, September.

**Edquist, C.**, Member of the Scientific Forum of Forum för Småföretagsforskning (FSF) [Swedish Foundation for Small Business Research].

***Ejerme, O.***

**Ejerme, O.**, Final seminar discussant on Doctoral Thesis of Martin Svensson Henning, Department of Social and Economic Geography, Lund University, Lund, Sweden.

**Ejerme, O.**, Evaluator for the Academy of Sciences of the Czech Republic.

***Fagerberg, J.***

**Fagerberg, J.**, Assigned professor at the Faculty of Social Sciences at Aalborg University, Denmark.

**Fagerberg, J.**, Honorary fellow of the Centre for Research on Innovation and Competition (CRIC) at the University of Manchester, UK.

**Fagerberg, J.**, Vice-President of the Joseph Schumpeter Society (2004-2008).

***Hellström, T.***

**Hellström, T.**, Chair on Devrim Göktepe’s PhD grading committee, CIRCLE, Lund University, Lund, Sweden, May.

**Hellström, T.**, Opponent on Pia Ulvenblad's final seminar, "Growth intentions and communicative practices: Strategic entrepreneurship in business development", Lund University School of Economics and Management, Lund, Sweden, October.

*Landström, H.*

**Landström, H.**, External evaluator, Professorship in Venture Capital at Helsinki University of Technology, December.

**Landström, H.**, Opponent Ph D thesis, Sari Roininen "Networking as a tool for competitive advantage. Evidence from Swedish new ventures", Department of Business Administration and Social Sciences, Luleå Tekniska Universitet, Luleå, Sweden, December.

*Schön, L.*

**Schön, L.**, Vice Dean of the School of Economics and Management, Lund University, Lund, Sweden.

**Schön, L.**, Head of the Council of PhD programme at the School of Economics and Management, Lund University, Sweden.

**Schön, L.**, Opponent and member PhD-evaluation committee at the Norwegian Business School at Bergen, Norway.

*Wigren, C.*

**Wigren, C.**, Director of studies at CIRCLE, Lund University, Sweden.

**Wigren, C.**, Discussant at Fatima Vegholm's final seminar, Royal Institute of Technology, Stockholm, Sweden, November.

**Table 4: Supervision of CIRCLE PhD Students.**

Name of supervisor	Name of CIRCLE PhD student
Chaminade, C.	Szogs, A.
Edquist, C.	Göktepe, D.
Ejermo, O. *	Malmberg, C.
Hommen, L.	Rolfstam, M.
Nilsson, Jan-Evert	Walter, M.
Schön, Lennart	Malmberg, C.

**Note:** The supervisors also supervise additional PhD students outside CIRCLE.

\* = co-supervisor

**Table 5: Supervision of ESST Master Students**

Name of supervisor	Name of ESST Master student
Gabrielsson, J.	Karolin Sjöo
Hellström, T.	Abigail Goodale Helga Viktorsdottir Josefine Fischer
Moodysson, J.	Juhan Juriado
Kander, A.	Brandon Simmons
Kitagawa, F.	Sarah Giest Iris Poon

**Note:** The supervisors also supervise additional students outside CIRCLE.

## **9 Third Mission, i.e. interaction with society during 2008**

### ***Asheim, B.T.***

**Asheim, B. T.**, Key note, workshop organized by FORFAS (Irish agency for entrepreneurship and innovation policy, Dublin, Ireland, March.

**Asheim, B. T.**, Research Policy Institute, Lund University, program for practitioners in national and regional innovation policy, Lund, Sweden, June.

**Asheim, B. T.**, Member of OECD mission, Kristiansand, Norway, October.

**Asheim, B. T.**, Key note, innovation conference organized by the regional government of La Rioja Lograno, La Rioja, Spain, November.



***Borrás, S.***

Neave, G., Santiago, P., **Borrás, S.**, Rasmussen G. J., Smyth, R. and Weko, T. (2008), *OECD Reviews of Tertiary Education: Iceland*, Paris, OECD.

**Borrás, S.** et al. (2008), *The Lisbon Strategy Expert Group, Lisbon Strategy: Between Revolution and Illusion. The Governance Challenges for Knowledge Policies*, Brussels, European Commission.

***Chaminade, C.***

**Chaminade, C.** and Vang, J. (2008), *China and India: the new innovation power houses?*, in AsiaPortal, <http://www.asiaportal.info/infocusblog/> , February.

***Edquist, C.***

**Edquist, C.**, Invited speaker, Breaking down the Swedish Paradox, organized by Idéon Innovation, Lund, Sweden, February.

**Edquist, C.**, ESS Scandinavia – Consequences for Regional Development, organized by Regions Skåne and the Municipality of Lund, Sweden, October.

**Edquist, C.**, Key note, “Innovation Systems and Innovation Policy in a Regional Perspective”, at a conference on strengthening the innovation power in the Swedish region of Scania, organized by VINNOVA and Region Skåne at Ericsson Mobile Platforms, Lund, Sweden, November.

**Edquist, C.**, Member of Studieförbundet Näringsliv och Samhälle, SNS [The Centre for Business and Policy Studies], SNS is an independent network of leading decision makers from the private and public sectors that share a commitment to social and economic development in Sweden.

**Edquist, C.**, ‘IMIT fellow’, i.e. fellow of The Institute for the Management of Innovation and Technology (IMIT). IMIT is a Scientific Institute. Its aim is to pursue and promote research and development in technical and industrial renewal and administration, as well as participating in training in this sphere.

**Edquist, C.**, Served on the jury of an innovation prizes awarded by the Development Company of Lund University (LUAB) together with Öhrlings PricewaterhouseCoopers.

**Edquist, C.**, Interview in the weekly business magazine *Veckans Affärer*, December 4, 2008.

**Edquist, C.**, Member of Uppfinnarkollegiet [The Inventor’s College], which involves close interactions with representatives from industry and other parts of society, Stockholm, Sweden.

**Edquist, C.**, Member of the Öresund Materials Innovation Community, organized by the Öresund Science Region.

**Edquist, C.**, Participated in an international evaluation of the Finnish National Innovation System for the Finnish Ministry of Employment and the Economy and organized by ETLA (The Research Institute of the Finnish Economy).

***Hansen, H.K.***

**Hansen, H.K.** (2008), "Visions for the Öresunds region 2025", advisory meeting hosted by Öresundskomiteen, Copenhagen, Denmark, November.

**Hansen, H.K.** (2008), "Storbyregioner og regional konkurrence", Meeting for city council of Aarhus and the local business network, Århus, Denmark, June.

**Hansen, H.K.** (2008), "Storbyregioner, regional udvikling og konkurrenceevne", Meeting for city council of Copenhagen and city council of Malmö, Malmö, Sweden, May.

***Kander, A.***

**Kander, A.**, Invited panel speaker at VINNOVAs conference on R&D and economic growth, Stockholm, Sweden, April.

**Kander, A.**, Invited panel speaker at Lund University Launching the Climate Initiative, Lund, Sweden, September.

***Kitagawa, F.***

**Kitagawa, F.**, Board member, The Japan Society for Science Policy and Research Management.

**Kitagawa, F.**, Member of Journal editorial advisory board, *Science, Technology and Society*.

**Kitagawa, F.**, Associate (2008- ), Observatory Pascal (International Network for Learning Regions, Social Capital and Place Management).

**Kitagawa, F.**, International advisory board for New Engineering Foundation.

**Kitagawa, F.**, Board co-opted member (September 2008- ), Regional Studies Association, special focus on Early career researchers.

***Moodysson, J.***

**Moodysson, J.**, Invited speaker, "Regionala innovationssystem och globala beroenden" [Regional innovation systems and global dependencies] , at Kunskapsutbytesforum (KUF), organized by Region Skåne, Malmö, Sweden.

**Moodysson, J.**, Invited speaker, "Regionala Innovationssystem: för lokal konkurrenskraft i en global ekonomi" [Regional innovation systems: for local competitiveness in a global economy], at KEFU dagen: Systemskifte 2.0, organized by The Council for Local Government Research and Education, Lund, Sweden.

**Moodysson, J.**, Invited speaker and panelist at the workshop Successful innovation clusters: How to make them happen?, organized by Science|Business Publishing Ltd, Brussels, Belgium.

**Moodysson, J.**, Supervisor at the course Science, Technology and Innovation Policy offered to civil servants in the Nordic Countries, organized by the Research Policy Institute at Lund University, Sweden.

***Schön, L.***

**Schön, L.**, Report for the Globalisation Council of the Swedish government.

***Wigren, C.***

**Wigren, C.**, Invited by the municipality of Eksjö, Sweden, to discuss business development in the municipality, January.

**Wigren, C.**, Invited by VINNOVA to hold a seminar based on the national study Samverkan i det akademiska vardagslivet [Cooperation in Academia], February.

**Wigren, C.**, Invited by Sveriges Förenade Studentkårer [the Swedish student organization] to make a speech based on the national study Samverkan i det akademiska vardagslivet [cooperation in academia], March.

**Wigren, C.**, Invited by ESBRI [Entrepreneurship and Small Business Research Institute ] to make a speech about Academic Entrepreneurship, based on the national study Samverkan i det akademiska vardagslivet [cooperation in academia], April.

## 10 External research contacts during 2008

### *Asheim, B.T.*

**Asheim, B. T.**, Member of editorial board of *Economic Geography*.

**Asheim, B. T.**, Member of editorial board of *Journal of Economic Geography*.

**Asheim, B. T.**, Member of editorial board of *European Planning Studies*.

**Asheim, B. T.**, Member of editorial board of *Nordic Journal of Human Geography*.

**Asheim, B. T.**, Referee for Norwegian Research Council and European Science Foundation.

**Asheim, B. T.**, Member of group for project evaluation of ESF.

**Asheim, B. T.**, Referee for a number of international journals such as *Economic Geography*, *Journal of Economic Geography*, *European Planning Studies*, *Environment and Planning A and B*, *European Urban and Regional Studies*, *Regional Studies*, *Industry and Innovation*, *Research Policy*, *Dutch Journal of Economic Geography* a.o.

### *Borrás, S.*

**Borrás, S.**, Editor of Science and Public Policy.

**Borrás, S.**, Referee for *Journal of European Public Policy*.

**Borrás, S.**, Referee for *Comparative European Politics*.

**Borrás, S.**, Referee for *Review of International Political Economy*.

**Borrás, S.**, Referee for *Regulation & Governance*.

**Borrás, S.**, Referee for *European Political Science Review*.

**Borrás, S.**, Referee for *Environmental Politics*.

**Borrás, S.**, Referee for *Science and Public Policy*.

### *Chaminade, C.*

**Chaminade C.**, Referee for *Research Policy*.

**Chaminade C.**, Referee for *Industry and Innovation*.

**Coenen, L.**

**Coenen, L.**, Referee for *Regional Studies*.

**Coenen, L.**, Referee for *European Planning Studies*.

**Coenen, L.**, Referee for *European Urban and Regional Studies*.

**Coenen, L.**, Referee for *Environment and Planning C*.

**Coenen, L.**, Referee for *Journal of Cleaner Production*.

**Edquist, C.**

**Edquist, C.**, Hosted a meeting with representatives of the European Materials forum (EMF) about 'European Institutes of Technology (EIT)' Lund, Sweden, March.

**Edquist, C.**, Advisor to The Department of Science Policy Studies, National Institute for Science and Technology Policy and Strategy Studies, Hanoi, Vietnam regarding a research programme entitled "The Market Institutions for Technology Transfer to Agricultural Small and Medium Enterprises in Vietnam".

**Edquist, C.**, Key note lecture at the International Conference on Innovation Surveys at the Institute of Technology and Innovation Management, National Cheng-Chi University, Taipei, Taiwan, December.

**Fagerberg, J.**

**Fagerberg, J.**, Associate editor of *Structural Change and Economic Dynamics*.

**Fagerberg, J.**, Board member of *Evolutionary Economics*.

**Fagerberg, J.**, Board member of *Industry and Innovation*.

**Fagerberg, J.**, Board member of *Research Policy*.

**Fagerberg, J.**, Board member of *Technology Analysis & Strategic Management*.

**Gabrielsson, J.**

**Gabrielsson, J.**, Referee for *Energy Politics*.

**Gabrielsson, J.**, Referee for *Small Business Economics*.

**Gabrielsson, J.**, Referee for *British Journal of Management*.

**Gabrielsson, J.**, Referee for *International Small Business Journal*.

**Gabrielsson, J.**, Referee for *Journal of Management and Governance*.

**Gabrielsson, J.**, Referee for *Entrepreneurship & Regional Development*.

**Gabrielsson, J.**, Referee for *International Journal of Management Reviews*.

**Gabrielsson, J.**, Referee for *Corporate Governance: An International Review*.

**Gabrielsson, J.**, Referee for *International Journal of Business Governance and Ethics*.

***Hansen, H.K.***

**Hansen, H.K.**, Referee for *Journal of Economic Geography*.

**Hansen, H.K.**, Referee for *Industry and Innovation*.

***Hellström, T.***

**Hellström, T.**, Book proposal referee for Palgrave/McMillan.

**Hellström, T.**, Referee for *Science and Public Policy*.

***Kander, A.***

**Kander, A.**, Referee for *Explorations in Economic History*.

**Kander, A.**, Evaluator for a research project for the Austrian Science Fund.

***Kitagawa, F.***

**Kitagawa, F.**, Referee for *Higher Education*.

**Kitagawa, F.**, Referee for *European Planning Studies*.

**Kitagawa, F.**, Referee for *Critical Sociology*.

**Kitagawa, F.**, Referee for *Environment and Planning C: Government and Policy*.

***Landström, H.***

**Landström, H.**, Referee for VINNOVA on "Women entrepreneurship"

***Malmberg, C.***

**Malmberg, C.**, Referee for Science and Public Policy.

***Moodysson, J.***

**Moodysson, J.**, Referee for *Economic Geography*.

**Moodysson, J.**, Referee for *European Planning Studies*.

**Moodysson, J.**, Referee for *Industry and Innovation*.

***Schön, L.***

**Schön, L.**, Board member of *Scandinavian Economic History Review*.

**Schön, L.**, Referee for *European Review of Economic History*.

***Wigren, C.***

**Wigren, C.**, Member of The Swedish Rural Network's research council.

**Wigren, C.**, Referee for The Swedish Farmers' Foundation for Agricultural Research.

## **Appendix 1: Method used for the citation analysis**

### *Methodology*

The citation analysis has been carried out for CIRCLE, and published in the CIRCLE Annual Reports since 2005. Over time there have been slight changes in methodology, although with little impact on comparability in general.

The citation analysis in section 2.4 shows all the citations to works published by the authors named. We search the citation sources Google scholar (<http://scholar.google.com>) and the Social Science Citation Index (<http://isiknowledge.com>) for the author's name. Generally the last name is used but sometimes the initial of the first name is also included in cases when the last name generates unmanageably many hits. In the process we check for possible misspellings such as Edqvist, which clearly refers to Edquist, and hence such citations are also counted. All hits are individually checked against the author's CV to find the original work cited.

### *Changes in methodology over time*

The methodology follows what has been done and described in previous methodological notes for the Annual Report, except that all publications are now counted.<sup>3</sup> Prior to 2007, the button "finish" was pressed in the social science citation index (SSCI), but it was later discovered that this reduced the number of citations. Conference proceedings are also included in the present version of SSCI, which may increase the number of citations somewhat.

### *Detailed methods for Google Scholar and Social Science Citation Index (SSCI)*

The following section describes in detail and step-by-step how the citation analyses have been carried out. This description makes it possible for any reader to repeat our analyses,

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<sup>3</sup> Before the 2007 version (i.e. referring to publications up to 2006) conference papers and working papers were excluded from the list of works referred to in the SSCI.



either for the purpose of checking the reliability of our findings or for making comparisons with other organizations.

*The procedure for Google Scholar*

1. Start at <http://scholar.google.com>
2. Click on “Advanced Scholar Search”
3. Enter the last name and initial of first name under ‘Return articles written by’ (here we use the example “Edquist C” as an example). Note that people who cite erroneously could use the wrong spelling, in which case such citations may be added later by additional searches (e.g. “Edqvist C”). Quotation marks are not necessary. Press the ‘Search Scholar’ button.
4. A list of publications by the searched author appears, including the number of citations to this work (cited by ###). Check if the list contains publications that are not ‘proper’ publications, i.e. not written by the author in question. To reduce the workload we have included all contributions by the authors (i.e. including e.g. working, conference & discussion papers) in the search. This may often require checking against the author’s CV, which is also necessary to make sure that the right name is being referred to, as it will probably be problematic if one searches for “Johansson B”.
5. Count the total number of citations manually by adding the numbers of ‘cited by###’.

*The procedure for SSCI*

There are two possibilities in the Social Science Citation Index; the General Reference search and the Cited Reference search. We present the latter method, because the General reference search is limited to citations originating from publications in journals registered in the Science Citation Index only (thus excluding non-registered journals, books and book chapters).

1. Start at <http://isiknowledge.com>
2. Click on “Web of Science”
3. Click on “Cited reference search”

4. “Science Citation Index Expanded”, “Social Sciences Citation Index” and “Arts & Humanities Citation Index” should all be used (checkmark if not already chosen), make sure that the whole time span of the database is selected (default)
5. Enter the last name and initial of first name under author (here we will use the example “Edqvist C” as an example). Note that people who cite erroneously are probably using the wrong spelling, in which case such citations may be added later by additional searches (e.g. “Edquist C”). Quotation marks are not necessary. Press the search button.
6. A list of publications by the searched author appears. Check if the list contains publications that are not ‘proper’ publications, i.e. not written by the author in question. We have included all types of papers, including conference papers, in this search. This may often require checking against the author’s CV, which is also necessary to make sure that it is the right name that is referred to, as it will probably be problematic if one searches for “Johansson B”.
7. Count the total number of citations manually by adding the number of “Citing Articles”.

*Some caveats with this method*

It is important to note the following caveats of the citation analysis (see also section 2.4 above):

- We do not fractionalize the number of citations by the number of authors of the original work. This means that a citation to a work by a CIRCLE staff member is counted irrespective of the number of authors. This implies a double-counting of work cited where CIRCLE researchers have jointly produced academic work. It is very difficult to do anything about this, but it might be possible to do something about it if Google scholar is used for the next annual report.
- There is no way in which we can distinguish work published as an editor or under authorship of the whole cited work.
- Some works authored by an individual may not appear here; for instance if they are published with an organization as the author.

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