



CIRCLE ANNUAL REPORT

2007

Centre for Innovation, Research and Competence in
the Learning Economy

Lund University

2007 ANNUAL REPORT FOR

CIRCLE

Centre for Innovation, Research and Competence in the
Learning Economy
Lund University

P.O. Box 117, LUCIE Building, Sölvegatan 16, S-221 00 Lund, SWEDEN

www.circle.lu.se

Contents

1. Introduction	1
1.1. Organization	2
1.2. Research and related activities	5
1.2.1 Research	5
1.2.2. External funding	7
1.2.4. Publications	10
1.2.2. Citations	10
1.3. Teaching	12
1.3.1. ESST Master Programme	12
1.3.2 Undergraduate Courses	13
1.4 Third Mission	15
2. Publications during 2007	17
2.1. External publications during 2007	17
2.1.1. Journal articles and book chapters	17
2.1.2. Books, booklets and special issues	23
2.2. Texts accepted during 2007 for publication	24
2.2.1. Journal articles and book chapters	24
2.2.2. Books, booklets and special issues	29
2.3. Working papers during 2007	30
2.3.1 CIRCLE Working Paper Series	30
3. Conferences during 2007	31
3.1. Participation with presentation of paper	31
3.2. Participation	37
3.3. Arrangement of conferences	38
3.4. Guest lectures	39
4. Academic assignments during 2006	42
5. Third Mission, i.e. interaction with society, during 2007	45
6. External research contacts during 2007	48
Appendix 1: Method used for the citation analysis	51

1. Introduction

CIRCLE (the 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. The activities cover the field of innovation, entrepreneurship, knowledge creation and economic growth. CIRCLE was initiated as a national centre of excellence in July 2004 with long-term funding by VINNOVA, Lund University and Blekinge Institute of Technology. CIRCLE is also a member of two international Networks of Excellence in its field funded by the European Union under the 6th 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).

In July 2006, CIRCLE was awarded a *Linnaeus* grant from the Swedish Research Council. The title of the research programme for which the grant was awarded is: “Innovation, Entrepreneurship and Knowledge Creation: Dynamics in Globalizing Learning Economies”. The aim of the *Linnaeus* grants is to enhance support for internationally competitive research of the highest quality. More than 100 research environments in all fields of research were nominated by all Swedish universities to apply for these grants. International reviewers selected 20 research environments to receive ongoing financial support for the next ten years. Five of them were in the social sciences and the humanities, and of these, CIRCLE obtained the only *Linnaeus* grant for Swedish research in the field of innovation, entrepreneurship and growth. The award amounts to 50 million Swedish Crowns, to be paid out over a period of ten years, and is accompanied by a matching contribution of ten million Swedish Crowns from Lund University.

In September 2007, CIRCLE was co-located with the Research Policy Institute and LUIS (Lund University Innovation System) at the newly renovated LUCIE (Lund University Centre for Innovation and Entrepreneurship) building (formerly, the MNO House), creating one of the world’s largest and most comprehensive centres in its field. This co-location of research, teaching, and ‘third mission’ activities generates exciting prospects with respect to new and innovative patterns of collaboration – which, it is hoped, will benefit not only the academic activity of CIRCLE but also the competitiveness of regional and national industry.

Since the initiation of CIRCLE in July 2004, the centre's staff has grown from zero to more than thirty academic and administrative members. This rapid growth has been possible due to the two large grants from VINNOVA and the Swedish Research Council (*Vetenskapsrådet*) as well as generous support from Lund University and other forms of external funding. CIRCLE has since its creation established itself as the leading national and international centre for research on R&D, innovation, knowledge creation, entrepreneurship and economic dynamics and is today the largest of the five national Centres of Excellence funded by VINNOVA in this field of research. This position has been strengthened by the *Linnaeus* grant. We hope that the annual report for 2007 will give the interested reader a stimulating overview of the activities that have taken place during the year, and that this will result in a continued close relationship with, and support for CIRCLE.

1.1. Organization

An important organizational change during 2007 was CIRCLE's co-location at LUCIE (Lund University Centre for Innovation and Entrepreneurship) with other research and support organizations at Lund University that commonly focus on innovation, entrepreneurship and growth. Numerous senior and junior researchers at Lund University (LU) are engaged in research and teaching dealing with issues of innovation, entrepreneurship and growth. In addition, a number of 'third mission' organizations are active at LU in the same field. The leadership of Lund University recognized the need to integrate their different competencies into a critical mass by creating a world class centre for innovation and entrepreneurship studies and activities. The university therefore decided to support the establishment of a new centre for researchers and practitioners concerned with the interplay of innovation, entrepreneurship, knowledge creation and economic growth.

The new centre houses both academic (research and teaching) and technology transfer organizations. A centrally located building situated on the Lund campus (the former 'MNO' building) was allocated to LUCIE, and CIRCLE moved into this building in September 2007. Thus, large parts of Lund University's activities in the areas of innovation, entrepreneurship, and knowledge creation have since been co-located at LUCIE, creating one of the world's largest and most comprehensive centres in this field. In total, LUCIE has office space for close to 100 people. It creates opportunities for interactions among researchers representing various aspects of innovation, entrepreneurship and knowledge creation, as well as practitioners in

these areas. With the establishment of LUCIE, Lund University not only emphasizes the importance of innovation and entrepreneurship, but also the paramount importance of interaction between the university and the surrounding society. Other tenants at LUCIE include the Research Policy Institute (RPI) and LUIS (Lund University Innovation System). LUIS is a newly established organization for coordinating entrepreneurship and innovation at Lund University through the technology transfer office LU Innovation and the Lund University proprietary holding company LUAB.

The official opening of LUCIE took place on Friday November 9th, 2007 with an impressive list of key note speakers. Lund University was represented by the Vice Chancellor, Göran Bexell, and the Chairman of the Board, Allan Larsson. Other high ranking officials who took part included Peter Honeth, the State Secretary for Higher Education and Research, Per Eriksson, the General Director of VINNOVA, and Anders Flodström, The University Chancellor. CIRCLE's International Advisory Board was represented by Professors Meric Gertler, University of Toronto, Maryann Feldmann, University of Georgia, Richard Harrison, Queens University, Belfast, and Jan Fagerberg, University of Oslo. In addition, representatives from the other units at LUCIE, as well as collaborating business partners, delivered opening addresses. This list of speakers clearly demonstrates both the great expectations that are linked to the establishment of LUCIE and the importance accorded to the highly successful development of CIRCLE.

On the basis of the *Linnaeus* grant awarded to CIRCLE by the Swedish Research Council, six research positions in the area of "Innovation, Entrepreneurship and Knowledge Creation" were advertised in mid-December 2006. Three positions were for post doctoral research fellows/assistant professors (2+2 years) and three positions were for lecturers/associate professors. The former were limited term appointments, and the latter were tenured positions. The positions were widely announced in open calls and internal applicants were exposed to external competition. There were around 60 applicants from many countries for the positions. The process of selecting the eventual occupants of these posts was completed during the first half of 2007, and the positions were taken up during the period from October 1st 2007 till January 2008. The following persons were recruited: Tomas Hellström (full professor), Cristina Chaminade (associate professor), Jonas Gabrielsson (associate professor), Caroline Wigren (assistant professor), Lars Coenen (assistant professor) and Fumi Kitagawa (assistant professor). The evaluation committees were composed of only full professors, all from abroad

for the associate professorships, and from within Sweden for the assistant professorships. The total staff of CIRCLE now numbers more than 30 researchers and 3 administrative staff members coming from different departments at Lund University as well as from other universities in Sweden and abroad. The staff thus represents an stimulating mix of local, national and international scholars covering the interdisciplinary fields of innovation, entrepreneurship, knowledge creation, and economic growth.

Table 1. CIRCLE staff 2007.

Name	Position	Remarks
Asheim, Björn	Professor in Economic Geography / Deputy Director CIRCLE	
Bengtsson, Lars	Associate professor in Business Administration	From 1 July 2007
Benner, Mats	Associate professor in Research Policy	
Bratt, Christina	Controller	
Brunsnæs, Thomas	PhD candidate	Until 1 Feb 2007
Chaminade, Cristina	Associate Professor in Innovation Studies	Assistant professor until 1 Oct 2007
Coenen, Lars	Assistant professor in Economic Geography	Researcher, PhD until 1 Oct 2007
Dahlbäck, Ola	Systems administrator	
Edquist, Charles	Professor in Innovation Studies/ Director of CIRCLE	
Ejermo, Olof	Assistant Professor in Innovation Studies	
Gabrielsson, Jonas	Associate professor in Business Administration	Assistant professor until 1 Oct 2007
Göktepe, Devrim	PhD candidate	
Hellström, Tomas	Professor in Innovation, Entrepreneurship and Knowledge Creation	
Hommen, Leif	Associate professor in Innovation Studies	
Högselius, Per	Director of Studies	Until 31 June 2007
Inzunza, Luis	Project assistant	
Jacob, Merle	Professor	On leave
Jönsson, Elna	Administrator	
Kander, Astrid	Assistant professor in Economic History	
Kellner, Ann-Marie	Administrator	Until 31 Jan 2007
Landström, Hans	Professor in Business Administration	
Löwegren, Marie	Assistant professor in Business Administration	From 1 July 2007
Malmberg, Claes	PhD candidate	
Moodysson, Jerker	Researcher, PhD	From 12 Nov 2007
Nilsson, Jan-Evert	Professor, Blekinge Institute of Technology	
Nygaard, Stian	PhD candidate	
Persson, Bo	Assistant professor in Research Policy	
Pålsson, Carl Magnus	Director of Studies, ESST MA Programme	From 1 July 2007
Rickne, Annika	Associate Professor in Innovation Studies	
Rolfstam, Max	PhD candidate	
Schön, Lennart	Professor in Economic History	
Stenborg, Emelie	Project assistant	Until 15 Oct 2007
Szogs, Astrid	PhD candidate	
Walter, Mareile	PhD candidate	

CIRCLE has continued to develop its homepage (<http://www.circle.lu.se>) during 2007 providing updated information about CIRCLE, its staff and activities. The electronic working

paper series is also published on the homepage. The homepage has now been adjusted to the general design used at Lund University.

1.2. Research and related activities

1.2.1 Research

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

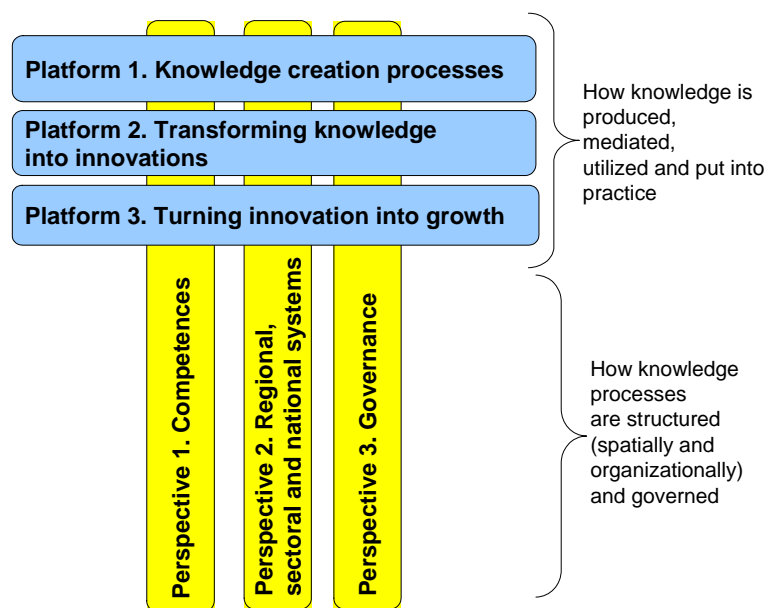
- learning in innovation systems and the consequences of R&D and innovation for productivity growth
- international comparison of regional innovation systems
- the entrepreneurial university and the creation of research-based firms
- public policy in the field of innovation, R&D and competence building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

All these areas deal, in some way, with innovation, entrepreneurship and knowledge creation in globalizing learning economies. This set of topics is also central to CIRCLE's new *Linnaeus* research programme, which the VINNOVA programme was gradually integrated with during 2007.

As mentioned earlier, CIRCLE was awarded one of 20 *Linnaeus* grants from the Swedish Research Council in July 2006. There are obvious differences but also clear similarities and overlaps between the 'old' VINNOVA and 'new' *Linnaeus* research programmes. The new research programme is structurally more complex than the old one, it has a wider frame of reference than the old programme (which had a strong central focus on Sweden and the Swedish national innovation system), and the new program's conceptual framework is defined in terms of processes, not structures. In addition, the *Linnaeus* programme is more oriented towards basic research, while the VINNOVA programme is more applied and policy-oriented. Despite these differences, there is also a lot of continuity between the old and new research programmes.

The *Linnaeus* research programme is organized into three thematically structured *horizontal research platforms and three vertical perspectives*, rather than along disciplinary lines. To bring together and integrate 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 1.¹

Figure 1. Research platforms and perspectives.



As indicated, there is a great deal of continuity and overlap between CIRCLE’s ‘old’ and ‘new’ research programmes. Thus, there will be no serious discontinuity or problems of transition involved in integrating the ‘old’ research programme with the ‘new’ one. All major elements of the old research programme will be present within the new research programme. In effect, the three ‘platforms’ of the new programme consolidate and extend themes defined in relation to the ‘research areas’ of the old programme. At the same time, the new programme provides a better framework for integration via the cross-cutting ‘perspectives’.

¹ For more detailed information about the Linnaeus programme, please see CIRCLE’s homepage www.circle.lu.se.

1.2.2. External funding

Researchers and sub-groups of researchers at CIRCLE have also, during 2007, attracted substantial external funding - in addition to the large grants from VINNOVA and the Swedish Research Council (*Vetenskapsrådet*, VR) - for specific new research projects (Table 2).

Table 2. External funding

Financier	Project Title	Project Manager Researchers	Amount (SEK)	Time Period
VINNOVA (Phase 2)	CIRCLE-Innovation system research	C. Edquist CIRCLE	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 CIRCLE	50 000 000	2006-07-01--2016-06-30
ITPS (project)	Patents as innovation indicators	O. Ejermo L. Inzunza	178 350	2006-01-27--2006-12-31
Sparbanks- stiftelsen	Obstacles for commercialization of Swedish inventions	O. Ejermo J. Gabrielsson	978 296	2006-07-01--2007-12-31
Strategiska stiftelsen	Final evaluation of the foundation's programme "Forum Scientum och Yt- och kolloidteknologi"	C. Edquist	300 000	2006-04-01--2007-12-31
VINNOVA	Dynamic labour markets competence, talent, mobility	B.T. Asheim	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	Complementary assets and innovaive capability in high-tech companies: case studies in the mobile telecommunication systems industry	L. Hommen	1 824 000	2006-01-01--2009-12-31
VR (Stem cell)	Commercialization of Swedish stem cell research - studies of early stages of commercialization in the front line of research	L. Bengtsson A. Rickne	1 674 000* 531 360 * shared	2004-01-01---2007-12-31
VR	Constructing regional Advantage: Towards State-of-the-Art Regional Innovation System Policies in Europe	B. Asheim	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		C. Edquist	2 500 000	
VINNOVA	R&D, innovations and growth	A. Kander O. Ejermo	1 500 000	2007-07-01--2010-07-01

Many of the additional projects have been conceived as attempts to integrate parts of the four research areas of CIRCLE's VINNOVA programme and the six platforms and perspectives of the *Linnaeus* programme, as well as to complement and strengthen ongoing research.

Among the projects, the VR-supported research on the globalisation of R&D and innovation with a specific focus on India and China could be mentioned as an example of research in line with the explicit underlining of the 'globalising learning economy' perspective in the *Linnaeus* programme. In addition, CIRCLE has received external funding coordinated by European Science Foundation for carrying out international comparative analyses of regional innovation policy. CIRCLE has also contributed to three applications to the EU's 7th Framework Programme with the deadline of November 2007 -- as coordinator in one and as partner in two others. The additional external funding has provided means for the recruitment of additional researchers to CIRCLE.

1.2.3 External Research Connections, Seminars, and Visiting Scholars

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. Prominent examples of research connections are also represented by the members of CIRCLE's International Advisory Board, which meets once a year to evaluate and give advice on the research activities undertaken. In 2007 the International Advisory Board met in connection with the official opening of LUCIE.

The members of the International Advisory Board are: Professor *Bart van Ark*, University of Groningen, the Netherlands; Professor *Phil Cooke*, Cardiff University, UK; Professor *Susan E. Cozzens*, Georgia Tech, Atlanta; US Professor *Jan Fagerberg*, University of Oslo, Norway; Professor *Maryann Feldman*, Georgia State University Athens (new member from 2007); 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.

For further development of CIRCLE's international contacts, the centre welcomes and supports visits by guest researchers and visiting scholars in order to enhance the already

exciting international research and teaching milieu through presentations and seminars. In addition, researchers at CIRCLE are invited to spend periods of time at other leading international research institutes and Centres of Excellence. As an example, in 2007 Cristina Chaminade spent a month as a guest researcher at the Centre for Advanced Studies, at The Norwegian Academy for Science and Letters in Oslo.

CIRCLE's seminar series continued during 2007. As in previous years, it featured a combination of invited guest speakers and researchers from CIRCLE and Lund University presenting their ongoing work. During 2007, nineteen seminars were held in the CIRCE Seminar Series with external guests as well as CIRCLE staff. The external guests were:

- Åge Mariussen, senior researcher at NIFU/STEP, Oslo
- Ron Boschmas, Professor at the University of Utrecht
- Rakesh Basant, researcher from India
- Susana Borràs, Associate Professor at Roskilde University, Denmark
- Björn Gustavsen, Professor at the Work Research Institute in Oslo and Professor Emeritus at the National Institute for Working Life in Stockholm
- Per-Erik Ellström, Professor of Educational Studies and Director of the *Helix Research and Innovation Centre* at Linköping University
- Allan Gibb, Professor of Entrepreneurship at Durham University, UK.
- Alice Lam, Professor of Organizational Sociology, Royal Holloway University, London
- Åsa Lindholm Dahlstrand, Professor in Innovation at Halmstad University/Chalmers, and Pia Matsson, PhD student at Halmstad University
- Mikael Stenkula, economist and research fellow at Ratio
- Stefano Pogutz, Assistant Professor at the Department of Management, Bocconi University in Milan

In addition to these activities, CIRCLE also hosted Susanna Borràs as the *Lise Meitner Visiting Professor* at the Lund Institute of Technology (LTH) in 2007. LTH instituted the *Lise Meitner Professorship* in 1999, with the aim of hosting an outstanding female researcher for a limited term as guest professor, so that she can serve as an active role-model for other women.² Susanna Borràs was awarded this position in 2007, for her outstanding work in the field of Innovation Policy. Now employed at the Copenhagen Business School, Denmark, Susanna Borràs is a Reader (Docent) in political science. She has a Master's degree from the Universitat Autònoma de Barcelona, Spain and a PhD from the European University Institute, in Florence, Italy. She was formerly an Associate Professor at Roskilde University, Denmark.

² Lise Meitner (1878 – 1968) was an Austrian-Swedish physicist who was the first to discover (nuclear) fission.

1.2.4. Publications

The publication record of CIRCLE's researchers is reported in section 2 of this report. Both the quantity (average number of publications per researcher) and the quality (on the basis of type of journals and publishers) are clearly satisfactory. The publications broadly cover the four prioritized research areas of CIRCLE: innovation systems, R&D and growth; regional 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 very high level of participation in international conferences, seminars and workshops by researchers from CIRCLE (see section 3) as well as by the academic assignments listed in Section 4, and the external research contacts described in Section 6. 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 2007. 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 stimulate discussion and critical comment. The working papers present research results that in whole or in part are suitable for submission to a refereed journal or to the editor of a book - or have already been submitted and/or accepted for publication. During 2007, nine working papers were published in the series.

1.2.2. Citations

A citation analysis (Table 3) was carried out in February 2008. It covers citations to publications by the CIRCLE staff up to and including 2007.

In this Annual Report we have chosen to use citations as a criterion for assessing publication by CIRCLE staff as was also done in the previous Annual Reports. One argument for using citation statistics is that they inform us about the diffusion and impact of published work, which is a relevant criterion for evaluating the importance and success of research activities, and organizations performing them. Table 3 presents statistics for 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.

We are fully aware of the limitations and weaknesses of such statistics. For example, citation statistics favours 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. Further, the number of citations is correlated with seniority and age; there is a considerable time-lag involved. However, if a researcher has many citations, it does indicate that he or she has actually had an impact on the research work of others. In this sense, citation adds an “impact dimension” to the publication record. This does not exclude the possibility that researchers with a low number of citations may have had impact in other ways, or might have a large impact in the future.

Table 3. Number of citations received by CIRCLE research staff, February 2008.

	SSCI	Google Scholar
Asheim Björn	533	1261
Benner Mats	44	199
Chaminade Cristina	4	165
Coenen Lars	24	140
Edquist Charles (+Edqvist)	660	2875
Ejermo Olof	5	71
Gabrielsson Jonas	25	103
Hellstrom Tomas (+ Hellstroem)	53	300
Hommen Leif	27	260
Jacob Merle	71	253
Kander Astrid	17	45
Landstrom Hans	68	682
Moodysson Jerker	14	45
Nilsson J (+Nilsson JE)	63	37
Persson Bo	1	7
Rickne Annika	63	370
Schon Lennart	65	237

Sources: The citation analysis shows citations to works published by the authors named. Citations refer to all citations made to the author in question. Citations for co-authored works have not been fractioned. We searched the citation sources Google scholar (<http://scholar.google.com>) and the Social Science Citation Index (<http://apps.isiknowledge.com>) for the author’s name. All hits were individually checked against the author’s CV to find the original work that was cited. In the Social Science Citation Index, there were two possibilities: the General Reference search and the Cited Reference search. We present the latter method since it also includes books, book chapters as well as articles in journals not registered in the Science Index (the results of the General Reference search have been stored for reference though). Administrative staff and PhD students have been excluded from the citation statistics. A detailed description of the method used for the citation analysis is found in Appendix 1 of this report.

1.3. Teaching

1.3.1. ESST Master Programme

In 2005, CIRCLE launched a one-year international Master's Programme in Society, Science and Technology (SST). The programme, which currently hosts its third cohort of students, is offered in collaboration with the European Inter-University Association on Society, Science and Technology (ESST), involving, among other things, exchange of students between the 17 member universities in Europe. Exchange is temporarily complicated, however, by differences in formats of the programme throughout the network (more on this below). The programme has 20 places, which are filled by both Swedish and foreign students. The number of applicants for the 2007 intake increased to 405 applications, up from 295 the previous year, making the programme one of the most popular Master's programmes offered by Lund University.

For the academic year 2007-2008, 41 students were accepted to the programme. The actual number of students starting the programme was 16, but of those 2 chose to defer their studies to the following year, making the total number of students 14. As for the second 2006 cohort, by the end of 2007 a total of 13 students from this group had handed in their graduate theses; three, however, were lagging behind. As of February 2008, 12 have passed their thesis examinations and graduated successfully with the award of a Master's degree.

In 2007, the ESST-programme in Lund was extended from 13 months to a two year model. This change was made in accordance with the Bologna format now being implemented in Sweden. The four semesters or terms in the revised format are devoted to (1st sem.) introductory courses in science, policy and innovation studies in areas where CIRCLE has particular particular expertise; (2nd sem.) two major specialisation modules in policy and innovation studies respectively; (3rd sem.) elective courses, in principle freely chosen within the range of courses offered by Lund university, but with the prerequisite that they should be related to the SST thematics; (4th sem.) thesis writing. With respect to scientific content, the first semester follows a general curriculum shared by all ESST member universities. Because of the new two year format, though, the course content of following semesters differs from the ESST-standard. Lund still can and will receive incoming students from ESST-partners in 2008, but awaiting a common two year model throughout the network Lund will defer sending students to partner universities.

Around 25 CIRCLE-related researchers contributed to the ESST MA programme through teaching and through thesis supervision and examination. Studies within the programme were coordinated and directed by Per Högselius (until 07-06-30) and Carl Magnus Pålsson (from 07-07-01 onwards).

1.3.2 Undergraduate Courses

Members of CIRCLE's staff have been involved in teaching various undergraduate courses for students at different faculties of Lund University. In 2007, CIRCLE has also been actively involved and primarily responsible for four courses at the faculty of engineering (LTH), as well as one course at the School of Economic and Management (see description below). In total, 118 students were registered for these courses in the autumn of 2007. It can be noted that the student evaluations turned out very positively 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. The collective character of the innovation process is stressed in a discussion of how firms can learn through collaboration. Finally, the course stresses that the firm needs 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

The 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 increasingly globalized competition. The course is oriented towards problem solving and draws on a combination of real-world problem-based cases (Harvard Business School case materials) 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 competences, 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 the 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 university and business will provide their views on the opportunities and threats for small, newly established companies.

Innovation Systems and Regional Clusters

The course provides students with basic knowledge of the innovation research, drawing attention to economic and social factors that influence innovation processes. It aims to enable students to use basic theoretical tools that help analyse various dimensions of innovation processes and innovation policies. Furthermore, the course aims to enhance students' appreciation of the importance of understanding innovation-related issues in different organisational, social, geographical and sectoral contexts. (This course is an elective course in Business Administration at the Undergraduate level. It is administered by the Department of Business Administration, School of Economic and Management, and is co-ordinated and delivered by CIRCLE researchers).

In addition, CIRCLE staff has carried out teaching activities through various courses hosted at the respective departments at Lund University with which CIRCLE collaborates.

1.4 Third Mission

An important part of CIRCLE's activity 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 5 below, CIRCLE researchers have given assistance to organizations and agencies such as VINNOVA, NUTEK, the EU, the OECD, the Research Council of Norway, the Scottish Executive, the Swedish Foundation for Small Business Research, and the Centre for Business and Policy Studies. Consultancy work for various national and international customers is also mentioned. This list of activities demonstrates CIRCLE's commitment to the Third Mission, and recognition of its importance. It also indicates the strong practical relevance based on high quality of the work carried out at CIRCLE.

The establishment of LUCIE further underlines Lund University's recognition of how important it is to promote and extend interaction between the university and the surrounding society. During the last 10 to 15 years, Lund University has in many ways become an entrepreneurial university, taking a leading role in developing the regional institutional capacity for innovation. As such, Lund University constitutes the key node in the knowledge infrastructure of the regional innovation system supporting ICT, Life Science, and Functional food clusters in cooperation with IDEON, other science parks and incubators, and leading companies in the various clusters (Sony Ericsson, Gambro, and Dedicated Biotech Firms (DBF) in Medicon Valley). It is expected that CIRCLE, in cooperation with the other units of LUCIE, will contribute to strengthening the role Lund University plays in the Scanian regional innovation system in the future.

Concerning the interaction between the university and the surrounding society, such interaction occurs partly in the context of research projects and partly in the boundary organization 'Innovation Forum', where the Director of CIRCLE has been a member for several years.

'Innovation Forum' is a collaboration initiative involving the main actors in the regional innovation system surrounding Lund University. It includes the heads of Lund University, the regional administration *Region Skåne*, the science park IDEON, the Innovation Bridge South, and various firms, etc. There has also been close collaboration with regional and national policy-makers in several research activities. With the co-location of CIRCLE with LUIS at LUCIE, it is reasonable to expect that this type of interaction will be intensified in future.

2. Publications during 2007

The rest of this Annual Report covers publications and other dissemination activities by CIRCLE staff during 2007. 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' name and co-authored works can be found under each CIRCLE author. Consequently some publications will be listed more than once.

2.1. External publications during 2007

2.1.1. Journal articles and book chapters

Asheim, B.T.

Asheim, B. T. (2007), Differentiated Knowledge Bases and Varieties of Regional Innovation Systems, *Innovation – The European Journal of Social Science Research*, 20(3): 223-241.

Asheim, B.T., Coenen, L. and Vang, J. (2007), Face-to-Face, Buzz and Knowledge Bases: Socio-Spatial Implications for Learning, Innovation and Innovation Policy, *Environment & Planning C*, 25(5): 655-670.

Asheim, B.T., Coenen, L., Moodysson, J., and Vang, J. (2007), Constructing knowledge-based regional advantage: Implications for regional innovation policy, *International Journal of Entrepreneurship and Innovation Management*, 7(2/3/4/5): 140-155.

Asheim, B. T. (2007), Industrial districts as 'learning regions': a condition for prosperity, in Rutten, R. and F. Boekma (eds.), *The Learning Region. Foundations, State of the Art, Future*, Edward Elgar, Cheltenham.

Asheim, B. T. (2007), The Learning Firm in the Learning Region: Innovating through Cooperation and Social Capital Building, in Landabaso, M., Kuklinski, A. and Roman, C. (eds.), *EUROPE – Reflections on Social Capital, Innovation and Regional Development*, Recifer Eurofutures Publication Series REUPUS, Warsaw.

Asheim, B. T. (2007), Learning and innovation in a globalising economy: The role of learning organizations and regions, in Gustavsen, B., Nyhan, B. and Ennals, R. (eds.), *Learning together for local innovation: Promoting Learning Regions*, Cedefop, Reference Series 68. Office for Official Publications of the European Communities, Luxembourg.

Coenen, L., **Asheim, B.T.**, Ljungh, B. and Moodysson, J. (2007), Vinnväxt i Skåne [Vinnväxt in Scania], in Laestadius, S., Nuur, C. and Ylinenpää, H. (eds.), *Regional Växtkraft i en Global Ekonomi: Det Svenska Vinnväxtprogrammet* [Regional growth in a global economy: the Swedish Vinnväxt programme], Santerus Academic Press, Stockholm.

Asheim, B.T. (2007), Sistemas regionales de innovacion y bases de conocimiento diferenciadas: Un marco teorico analitico [Regional Innovation Systems and Differentiated Knowledge Bases: A Theoretical and Analytical Framework], in Buesa, M. and Heijs, J. (eds.), *Sistemas regionales de innovacion: Nuevas formas de analisis y medicion*, Fundacion de las Cajas de Ahorros, Madrid.

Asheim, B. T. (2007), Regional Environment for Innovation and Entrepreneurship, in Potter, J. and Miranda, G. (eds.), *Entrepreneurship and Local Innovation Systems in Cantabria, Spain*. Final Report, OECD, Paris.

Bengtsson, L.

Bengtsson, L., Larsson, R., Griffiths, A. and Hine, D. (2007), Case and iCase: facilitating case survey methods for creating research and teaching synergies in innovation and enterprise, in Hine, D. and Carson, D. (eds.), *Innovative Methodologies in Enterprise Research*, Edward Elgar, Cheltenham.

Benner, M.

Benner, M. and Löfgren, H. (2007), The Bio-Economy and the Competition State: Transcending the Dichotomy between Coordinated and Liberal Market Economies, *New Political Science* 29 (1): 77-95.

Benner, M. and Sörlin, S. (2007), Shaping Strategic Research: Power, Resources and Interests in Swedish Research Policy, *Minerva* 45 (1): 38-50.

Borrás, S.

Borrás, S., Koutalakis, C. and Wendler, F. (2007), European agencies and input legitimacy: EFSA, EMeA and EPO in the post-delegation phase, *Journal of European Integration*, 29(5): 583-600.

Chaminade, C.

Catusus, B. and **Chaminade, C.** (2007), New challenges for intellectual capital management, in Chaminade, C. and Catusus, B. *The paradox of knowledge-intensive organisations: Intellectual Capital revisited*, Edward Elgar.

Chaminade, C. and Vang, J. (2007), Book Review; Giuliani, E., Rabellotti, R. and Van Dijk, M.P. (eds.), Clusters Facing Competition: The importance of External Linkages, Aldershot and Burlington, Ashgate Publishing, 2005, *European Planning Studies*, 15(2):289-291.

Chaminade, C. and Vang, J. (2007), Strategic change in mature sectors. When and how is Intellectual Capital relevant?, in Chaminade, C. and Catusus, B. *The paradox of knowledge-intensive organisations: Intellectual Capital revisited*, Edward Elgar.

Vang, J. and **Chaminade, C.** (2007), Global-local linkages, Spillovers and Cultural Clusters: Theoretical and Empirical insights from an exploratory study of Toronto's Film Cluster, *Industry & Innovation*, 14 (4).

Vang, J. and **Chaminade, C.** (2007), Book Review. Kaplinsky, R. *Between the rock and hard place: Globalization, Poverty and Inequality*, Oxford: Polity Press, 2005. *Science, Technology and Society*.

Coenen, L.

Asheim, B.T., **Coenen, L.** and Vang, J. (2007), Face-to-Face, Buzz and Knowledge Bases: Socio-Spatial Patterns of Innovation, *Environment and Planning C: Government and Policy*, 25(5): 655-670.

Asheim, B.T., **Coenen, L.**, Moodysson, J. and Vang, J. (2007), Constructing Knowledge-based Regional Advantage: Implications for Regional Innovation Policy, *International Journal of Entrepreneurship and Innovation Management*, 7: 140-155.

Coenen, L. (2007), The role of universities in the regional innovation systems of the North East of England and Scania, Sweden: providing missing links?, *Environment and Planning C: Government and Policy*, 25(6) 803 – 821.

Coenen, L., Asheim, B.T., Ljungh, B. and Moodysson, J. (2007), Vinnväxt i Skåne [Vinnväxt in Scania], in Laestadius, S., Nuur, C. and Ylinenpää, H. (eds.), *Regional Växtkraft i en Global Ekonomi: Det Svenska Vinnväxtprogrammet* [Regional growth in a global economy: the Swedish Vinnväxt programme], Santerus Academic Press, Stockholm.

Ejeramo, O.

Kander, A., **Ejeramo, O.** and Schön, L. (2007), De empiriska paradoxernas upplösning: FoU och tillväxten, *Ekonomisk Debatt*, 5: 6-15.

Ejeramo, O. (2007), Lättillgängligt om tillväxt”, *Ekonomisk Debatt*, 7: 68-69 (Review of Helpman, E. (2006), *Tillväxtens mysterier*, Stockholm: SNS, the Swedish translation of Elhanan Helpman (2004), *The Mystery of Economic Growth*, Cambridge, MA: Belknap Press of Harvard University Press).

Gabrielsson, J.

Gabrielsson, J. (2007), Correlates of board empowerment in small companies, *Entrepreneurship Theory & Practice*, 31(5): 687-711.

Gabrielsson, J. (2007), Boards of directors and entrepreneurial posture in medium-size companies: Putting the board demography approach to a test, *International Small Business Journal*, 25(5): 511-537.

Gabrielsson, J., Huse, M. and Minichilli, A. (2007), Understanding the leadership role of the board chairperson through a team production approach, *International Journal of Leadership Studies*, 2(4): 21-39.

Minichilli, A. **Gabrielsson, J.** and Huse, M. (2007), Board Evaluations: making a fit between the purpose and the system, *Corporate Governance: An International Review*, 15(4): 609-622.

Gabrielsson, J. and Politis, D. (2007), The impact of ownership and board governance on firm-level entrepreneurship in small technology based firms, *Icfai Journal of Corporate Governance*, 3: 43-60.

Gabrielsson, J. and Politis, D. (2007), Prediction or control? Exploring the influence of career experience and career motives on entrepreneurial decision making, in Iandoli, L., Landström, H. and Raffa, M. (eds.) *Entrepreneurship, Competitiveness and Local Development*, Cheltenham, Edward Elgar.

Hellström, T.

Berglund, H., **Hellström, T.** and Sjölander, S. (2007), Entrepreneurial learning and the role of venture capitalists, *Venture Capital*, 9:165-181.

Parhankangas, A-L. and **Hellström, T.** (2007), How experience and perceptions shape risky behaviour: Evidence from the venture capital industry, *Venture Capital*, 9: 183-205.

Hellström, T. (2007), The varieties of university entrepreneurialism: Thematic patterns and ambiguities in Swedish university strategies, *Policy Futures in Education*, 5: 477-489.

Hellström, T. (2007), Dimensions of environmentally sustainable innovation: The structure of eco-innovation concepts, *Sustainable Development*, 15: 148-159.

Hellström, T. (2007), The individual vs. the group? Individualization and collectivity among students in collaborative design, *Journal of Technology and Design Education*, 17: 305-321.

Hellström, T. (2007), Critical infrastructure and systemic vulnerability: Towards a framework for planning, *Safety Science*, 45: 415-430.

Hommen, L.

Gray, P.M., Kurihara, T., Feldman, J.M. and **Hommen, L.** (2007), Networks of exclusion: Job segmentation and social networks in the knowledge economy, *Equal Opportunities International* 26 (2): 144 – 161.

Högselius, P.

Högselius, P. (2007), The Nordic Shaping of Innovation in Estonia: Case Studies from Mobile Communications and E-Government, *Nordic and Baltic Journal of Information and Communications Technologies*, 1(1): 61-73.

Högselius, P. and Kaijser, A. (2007), Använt kärnbränsle som resurs: exemplen Tyskland, Ryssland och Japan [Spent nuclear fuel as a resource: the examples Germany, Russia, and Japan], in *SKB Samhällsforskning 2007*: 121-151.

Jacob. M.

Jacob, M. (2007), The Nordic Research and Innovation Area (NORIA): Global fashion and Nordic style, *Forskningspolitik*.

Kander, A.

Enflo, K., **Kander, A.** and **Schön, L.** (2007), Identifying Development Blocks: a New Methodology, *Journal of Evolutionary Economics*, published online (<http://www.springerlink.com/content/100519/?p=1a16d76410984553bf5a10c5d50fb4e4&pi=0>).

Gales, B., **Kander, A.**, Malanima, P. and Rubio, M. (2007), North versus South: Energy transition and energy intensity in Europe over 200 years, *European Review of Economic History*, 11(02): 219-253.

Kander, A. (2007), Is it simply getting worse? Agriculture and Swedish greenhouse gas emissions over 200 years, *Economic History Review*, Published article online: 21-Nov-2007 (<http://www.blackwell-synergy.com/toc/ehr/0/0>)

Kander, A., Ejermo, O. and Schön, L. (2007), De empiriska paradoxernas upplösning – om FoU och tillväxten, *Ekonomisk Debatt*, 5: 6-15.

Kander, A. and Schön, L. (2007), The energy-capital relation, Sweden 1870-2000, *Structural Change and Economic Dynamics*, 18: 291-305.

Landström, H.

Iandoli, L., **Landström, H.** and Raffa, M. (2007), Introduction: entrepreneurship, competitiveness and local development, in Iandoli, L., **Landström, H.** and Raffa, M. (eds.), *Entrepreneurship, Competitiveness and Local Development*, Edward Elgar.

Johannisson, B., **Landström, H.** and Rosenberg, J., (1998), University Training for Entrepreneurship – An Action Frame of Reference, *European Journal of Engineering Education*, 23(4): 477-496, **reprint** in Greene, P.G. and Rice, M.P. (2007), *Entrepreneurship Education*, Edward Elgar.

Landström, H. (2007), Pioneers in venture capital research, in Landström, H. (ed.), *Handbook of Research on Venture Capital*, Edward Elgar.

Landström, H. (2007), Implications for practice, policy-makers and research, in Landström, H. (ed.) *Handbook of Research on Venture Capital*, Edward Elgar.

Manigart, S., Collewaert, V., Wright, M., Pruthi, S., Lockett, A., Bruning, H., Hommel, U. and **Landström, H.** (2007), Human Capital and the Internationalisation of Venture Capital Firms, *International Entrepreneurship and Management Journal*, 3(1): 109-125.

Moodysson, J.

Moodysson, J., and Jonsson, O. (2007), Knowledge Collaboration and Proximity: the Spatial Organisation of Biotech Innovation Projects, *European Urban and Regional Studies*, 14 (2): 115-131.

Asheim, B.T., Coenen, L., **Moodysson, J.**, and Vang, J. (2007), Constructing knowledge-

based regional advantage: Implications for regional innovation policy, *International Journal of Entrepreneurship and Innovation Management*, 7(2/3/4/5): 140-155.

Coenen, L., Asheim, B.T., Ljungh, B. and **Moodysson, J.** (2007), Vinnväxt i Skåne [Vinnväxt in Scania], in Laestadius, S., Nuur, C. and Ylinenpää, H. (eds.), *Regional Växtkraft i en Global Ekonomi: Det Svenska Vinnväxtprogrammet* [Regional growth in a global economy: the Swedish Vinnväxt programme], Santerus Academic Press, Stockholm.

Nilsson, J. E.

Nilsson, J. E. (2007), The emergence of a national urban policy, in van der Berg, L., Braun, E. and van der Meer, J. (eds.) *National Policy Responses to Urban Challenges in Europe*, Ashgate Publishing.

Nygaard, S.

Klitkou, A., **Nygaard, S.** and Meyer, M. (2007), Tracking Techno-Science Networks: A Case Study of Fuel Cells and Related Hydrogen Technology R&D in Norway, *Scientometrics*, 70(2): 491-518.

Rickne, A.

Laage-Hellman, J. and **Rickne, A.** (2007), Becoming a winner: The case of biomedical development in Western Sweden, in Laestadius, S., Nuur, C. and Ylinenpää, H., (eds.), *Regional växtkraft i en global ekonomi: Det svenska Vinnväxtprogrammet*, Santérus Academic Press, Stockholm. (in Swedish).

Rolfstam, M.

Rolfstam, M. (2007), The Utilities Directive and How It Might Affect Innovation: The Case of Innovative Procurement of Maritime Radio Technology, *Public Procurement Law Review*, 6: 435-460.

Schön, L.

Enflo, K., Kander, A. and **Schön, L.** (2007), Identifying Development Blocks: a New Methodology, *Journal of Evolutionary Economics*, published online (<http://www.springerlink.com/content/100519/?p=1a16d76410984553bf5a10c5d50fb4e4&pi=0>).

Kander, A., Ejermo, O. and **Schön, L.** (2007), De empiriska paradoxernas upplösning – om FoU och tillväxten, *Ekonomisk Debatt*, 5: 6-15.

Kander, A. and **Schön, L.** (2007), The energy-capital relation, Sweden 1870-2000, *Structural Change and Economic Dynamics*, 18: 291-305.

Schön, L. (2007), Utvecklingsblock i den globala ekonomin - några framtidsperspektiv [Development blocks in the global economy – some perspective on the future], in Karlsson, N. (ed.), *En antologi om Erik Dahmén*, Ratio, Stockholm.

Schön, L. (2007), Tillväxt och strukturell omvandling - svensk ekonomi under 150 år [Growth and structural change - the Swedish economy over 150 years], in Hultkrantz, L. and Söderström, H.T., *Marknad och politik*, SNS förlag, Stockholm.

Schön, L. (2007), Capital Movements, Exchange Rates and Market Integration: The Baltic Area 1870-1913, in Cottrell, P.L. et. al., *Centres and Peripheries in Banking. The Historical Development of Financial Markets*. Ashgate.

Schön, L. (2007), Sweden – Economic Growth and Structural Change, 1800-2000, in Whaples, R. (ed.), *EH.Net Encyclopedia*, <http://eh.net/encyclopedia/article/schon.sweden> , January 28, 2007.

2.1.2. Books, booklets and special issues

Bengtsson, L.

Bengtsson, L. and Kalling, T (2007), *Kärnkompetens – specialisering eller diversifiering [Core competence-specialization or diversification]*, Liber, Malmö.

Chaminade, C.

Chaminade, C. and Catusus, B. (eds.) (2007), *The paradox of knowledge-intensive organisations: Intellectual Capital Revisited*, Edward Elgar.

Edquist, C.

Arvidsson, G., Bergström, H., **Edquist, C.**, Högberg, D. and Jönsson, B. (2007), *Medicin för Sverige – Nytt liv i en framtidsbransch* [Medicine for Sweden – New life into a sector of the future], SNS publishers, Stockholm.

Fulton, O., Santiago, P., **Edquist, C.**, El-Khawas, E., and Hackl, E. (2007), *Thematic Review of Tertiary Education: Poland*, Organization for Economic Co-operation and Development, Directorate for Education, Education and Training Policy Division Paris.

Edquist, C., Gillespie, I., Rosenmöller, M., Sauer, F. and Tijssen, R. (2007), *The Innovative Medicines Initiative - Assessment of Economical and Societal Impact*, European Commission, Research Directorate-General - Directorate F, Brussels.

Edquist, C. and Hommen, L. (2007), in collaboration with Fedorovich, D., and Siriachenko., N., *Evaluation of Forum Scientium Postgraduate Research School, Linköping University*, an evaluation carried out for the Foundation for Strategic Research, Stockholm.

Hommen, L.

Edquist, C. and **Hommen, L.** (2007), in collaboration with Fedorovich, D., and Siriachenko., N., *Evaluation of Forum Scientium Postgraduate Research School, Linköping University*, an evaluation carried out for the Foundation for Strategic Research, Stockholm.

Högselius, P.

Högselius, P. and Kaijser, A. (2007), *När folkhemselen blev internationell. Elavregleringen i historiskt perspektiv* [When the Swedish electricity market became international. The deregulation in a historical perspective], SNS Förlag, Stockholm.

Huisman, J., Santiago, P., **Högselius, P.**, Lemaitre, M. and Thorn, W. (2007), *OECD Review of Tertiary Education: Estonia*, Paris: OECD .

Högselius, P. and Kaijser, A. (2007), *Resurs eller avfall? Politiken kring hanteringen av använt kärnbränsle i Finland, Tyskland, Ryssland och Japan* [Resource or waste?, The Politics of handling spent nuclear fuel in Finland, Germany, Russia and Japan], SKB, Stockholm.

Jacob. M.

Jacob M. and Orsenigo, L. (2007), *Leveraging Science for innovation: Swedish policy for university- industry collaboration 1990-2003*, SNS Förlag, Stockholm.

Landström, H.

Iandoli, L., **Landström, H.** and Raffa, M. (eds) (2007), *Entrepreneurship, Competitiveness and Local Development. Frontiers in European Entrepreneurship Research*, Edward Elgar.

Landström, H. (ed.) (2007), *Handbook of Research on Venture Capital*, Edward Elgar.

Moodysson, J.

Moodysson, J. (2007), *Sites and Modes of Knowledge Creation: On the Spatial Organization of Biotechnology Innovation*, PhD Dissertation, Department of Social and Economic Geography, Lund University.

Schön, L.

Schön, L. and Krantz, O. (2007), *Swedish Historical National Accounts 1800-2000*, Lund Studies in Economic History 41, Almqvist&Wiksell International.

2.2. Texts accepted during 2007 for publication

2.2.1. Journal articles and book chapters

Asheim, B. T.

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

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

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, Cheltenham.

Bengtsson, L.

Bengtsson, L. and Skärvad, P-H. (forthcoming), Strategisk Planering [Strategic planning], in Samuelsson, L. and Olive, L-G. (eds.) *Controllerhandboken* [The controller handbook], Industrilitteratur, Stockholm.

Borrás, S.

Borrás, S. (forthcoming), Policy Innovation in Innovation Policy: Policy System and Meta-Policy System Changes in Europe, *Journal of Comparative and International Law and Politics*.

Borrás, S., Chaminade, C. and Edquist, C. (forthcoming), The Challenges of Globalisation: Strategic Choices for Systems of Innovation, in Marklund, G. (ed.), *The Innovation Imperative – Globalization and National Competitiveness*, VINNOVA.

Chaminade, C.

Borrás, S., **Chaminade, C.** and Edquist, E. (forthcoming), The Challenges of Globalisation: Strategic Choices for Systems of Innovation, in Marklund, G. (ed.), *The Innovation Imperative – Globalization and National Competitiveness*, VINNOVA.

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. and Smits, R., *Innovation Policy – Theory and Practice. An International Handbook*, Edward Elgar.

Chaminade, C. and Roberts., H. (forthcoming), Intangibles, social capital and innovation in SMEs: a new model of innovation? Evidence and discussion, in Casas, R. de Fuentes, C. y Vera-Cruz, A. (eds.) *Acumulación de capacidades tecnológicas, aprendizaje y cooperación en la esfera global & local*. UAM-X / Instituto de Investigaciones Sociales, UNAM/ ALTEC.

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

Chaminade, C. and Vang, J. (forthcoming), Globalisation of Knowledge Production and Regional Innovation Policy: Supporting Specialized Hubs in Developing Countries, Special issue of *Research Policy* “Unbalanced knowledge dynamics”.

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

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

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

Intarakumnerd, P. and **Chaminade, C.** (forthcoming), Innovation policies in less successful developing countries: a system of innovation approach, *Asian Journal of Technology and Innovation*.

Vang, J., **Chaminade, C.** and Coenen, L. (forthcoming), 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".

Coenen, L.

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

Vang, J., Chaminade, C. and **Coenen, L.** (forthcoming), 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.

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. and Smits, R., *Innovation Policy – Theory and Practice. An International Handbook*, Edward Elgar Publishing.

Borrás, S., Chaminade, C., **Edquist, C.** (forthcoming), The challenges of globalisation: strategic choices for innovation policy, in Marklund, G., Vonortas, N. and Wessner, C., *The Innovation Imperative – Globalisation and National Competitiveness*, VINNOVA.

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

Bitard, P., **Edquist, C.**, Hommen, L. and Rickne, A. (forthcoming), The paradox of high R&D input and low innovation output: Sweden, in Edquist, C. and Hommen, L. (eds.), *Small*

Country Innovation Systems: Comparing Globalisation, Change and Policy in Asia and Europe, Edward Elgar Publishing.

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

Ejermo, O.

Ejermo, O. (forthcoming), Book review of Cantner, U. and Malerba, F., Innovation, Industrial Dynamics and Structural Transformation, *Papers in Regional Science*.

Ejermo, O. and Kander, A. (forthcoming), The Swedish Paradox: Myth or Reality?, in C. Karlsson, B. Johansson and R. Stough (eds.), *Entrepreneurship and Innovation in Functional Regions*, Cheltenham, Edward Elgar.

Gabrielsson, J.

Gabrielsson, J. and Politis, D. (forthcoming), 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. (forthcoming), Knowledge and accountability: Outside directors' contribution in the corporate value chain, in Gomez, P-Y. Moore, R. (eds.) *Board members and management consulting: Redefining boundaries*, special volume in Research in Management Consulting book series, Information Age Publishing.

Hellström, T.

Hellström, T. (forthcoming), Models of public space: Causal assumptions and core values among Nordic city planners. *European Journal of Spatial Development*.

Hellström, T. and Jacob, M. (forthcoming), Policy cosmologies in city planning: A comparison of two Nordic cities, *European Journal of Spatial Development*.

Hellström, T. (forthcoming), Enacted public space: A social capital interpretation, *Journal of Urban Design*.

Hellström, T. (forthcoming), Transferability and naturalistic generalization: New generalizability concepts for social science or old wine in new bottles?, *Quality & Quantity: International Journal of Methodology*.

Hommen, L.

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

Bitard, P., Edquist, C., **Hommen, L.** and Rickne, A. (forthcoming), The paradox of high R&D input and low innovation output: Sweden, in Edquist, C. and Hommen, L. (eds.), *Small Country Innovation Systems: Comparing Globalisation, Change and Policy in Asia and Europe*, Edward Elgar Publishing.

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

Hommen, L. and Rolfstam, M. (forthcoming), Public procurement and innovation -- Towards a taxonomy, *Journal of Public Procurement*.

Widén, K., Atkin, B. and **Hommen, L.** (forthcoming), Setting the game plan – The role of clients in construction innovation and diffusion, in Brandon, P. (ed.), *Construction sector innovation*, Edward Elgar Publishing.

Kander, A.

Ejermo, O. and **Kander, A.** (forthcoming), The Swedish paradox revisited, in Karlsson, C., Johansson, B. and Stough, R. (eds), *Entrepreneurship and Innovation in Functional Regions*, Edgar Elgar.

Moodysson, J.

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

Nilsson, J. E.

Nilsson, J. E. (forthcoming), Regional tillväxtpolitik – det politiskt möjliga, in Giertz, E. (ed.) *När Sverige förändrades*, Studentlitteratur, Lund.

Nygaard, S.

Nygaard, S. and Russo, R. (forthcoming), *Trust, Coordination and Knowledge Flows in R&D Projects*”, *Business Ethics: A European Review*.

Nygaard, S. and Rickne, A. (forthcoming), Market coordination and network effects: the case of European Hydrogen and FCs Platform, in Pogutz, S., Migliavacca, P. and Russo, S. (eds.), *The Challenge of Hydrogen and Fuel Cells: Innovation, Market and Sustainability*.

Rickne, A.

Bergek, A., Jacobsson, S., Carlsson, B., Lindmark, S. and **Rickne, A.** (forthcoming), Analyzing the Functional Dynamics of Technological Innovation Systems, *Research Policy*.

Bitard, P., C. Edquist, L. Hommen and **A. Rickne**, (forthcoming), Reconsidering the paradox of high R&D and low innovation: Sweden, in C. Edquist and L. Hommen (eds.), *Small*

Country Innovation Systems. Globalization, Change and Policy in Asia and Europe, Edward Elgar.

Nygaard, S. and **Rickne, A.** (forthcoming), Market coordination and network effects: the case of European Hydrogen and FCs Platform, in Pogutz, S., Migliavacca, P. and Russo, S. (eds.), *The Challenge of Hydrogen and Fuel Cells: Innovation, Market and Sustainability*.

Rolfstam, M.

Hommen, L. and **Rolfstam, M.** (forthcoming), Public Procurement and Innovation - Towards a Taxonomy. *Journal of Public Procurement*.

Schön, L.

Schön, L. (forthcoming), Technological shifts and convergence in Europe since 1950, *The Scandinavian Economic History Review*.

Szogs, A.

Szogs, A. and Wilson, L. (2008), A system of innovation? Biomass digestion technology in Tanzania, *Technology in Society* 30(1): 94-103.

Walter, M.

Walter, M. (forthcoming), Urban Planning and Structural Industrial Change – A TelecomCity on a Naval Base, in Elander, I. and Eckardt, F., *Urban Governance in Europe*, Berliner Wissenschaftsverlag, Berlin.

2.2.2. Books, booklets and special issues

Borras, S.

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

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.

W. Dolfsma, **C. Chaminade** and J. Vang. (forthcoming), Special Issue on “Unbalanced Knowledge Dynamics”, with *Research Policy*.

Edquist, C.

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

Hommen, L.

Edquist, C. and **Hommen, L.** (eds.) (forthcoming), *Small country innovation systems: Comparing globalisation, change and policy in Asia and Europe*, Edward Elgar Publishing.

Landström, H.

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

2.3. Working papers during 2007

2.3.1 CIRCLE Working Paper Series

Chaminade, C.

Intarakumnerd, P. and **Chaminade, C.** (2007), Innovation System Policies in Less Successful Developing countries: The case of Thailand, *CIRCLE Electronic Working Paper Series*, WP 2007/9

Vang, J. and **Chaminade, C.** (2007), Global-local linkages, Spillovers and Cultural Clusters: Theoretical and Empirical insights from an exploratory study of Toronto's Film Cluster, *CIRCLE Electronic Working Paper Series*, WP 2007/3.

Vang, J., **Chaminade, C.** and Coenen, L. (2007), Learning from the Bangalore Experience: The Role of Universities in an Emerging Regional Innovation System. *CIRCLE Electronic Working Paper Series*, WP 2007/4.

Coenen, L.

Vang, J., Chaminade, C. and **Coenen, L.** (2007), Learning from the Bangalore Experience: The Role of Universities in an Emerging Regional Innovation System. *CIRCLE Electronic Working Paper Series*, WP 2007/4.

Ejerimo, O.

Kander, A. and **Ejerimo, O.** (2007), *Swedish business research productivity – improvements against international trends*, *CIRCLE Electronic Working Paper Series*, WP 2007/07.

Ejerimo, O. (2007), *Regional innovation measured by patent data – does quality matter?*, *CIRCLE Electronic Working Paper Series*, WP 2007/08.

Kander, A.

Kander, A. and Ejerimo, O. (2007), *Swedish business research productivity – improvements against international trends*, *CIRCLE Electronic Working Paper Series*, WP 2007/07.

Kander, A., Schön, L. and Enflo, K. (2007), In Defense of Electricity as a General Purpose Technology, *CIRCLE Electronic Working Paper Series*, WP 2007/06.

Kander, A. and Schön, L.(2007), Industrial dynamics and innovative pressure on energy - Sweden with European and Global outlooks, *CIRCLE Electronic Working Paper Series*, WP 2007/05.

Malmberg, C.

Malmberg, C. (2007), The effects of institutional change on innovation and productivity growth in the Swedish pharmaceutical industry, *CIRCLE Electronic Working Paper Series*, WP 2007/02.

Schön, L.

Kander, A., **Schön, L.** and Enflo, K. (2007), In Defense of Electricity as a General Purpose Technology, *CIRCLE Electronic Working Paper Series*, WP 2007/06.

Kander, A. and **Schön, L.** (2007), Industrial dynamics and innovative pressure on energy - Sweden with European and Global outlooks, *CIRCLE Electronic Working Paper Series*, WP 2007/05.

3. Conferences during 2007

3.1. Participation with presentation of paper

Asheim, B.T.

Asheim, B.T., Coenen, L., Moodysson, J., Rickne, A. (2007), *Differentiated Knowledge Bases, Distributed Knowledge Networks and the Role of Sectoral and Regional Innovation Systems: The Case of Biotechnology*, DIME workshop, Jena, March.

Asheim, B.T., Hansen, H. (2007), *The Creative Class and Regional Development: People climate and Business Climate in capitalist varieties*, paper presented at the Association of American Geographers annual conference, San Francisco, April.

Asheim, B.T. , Coenen, L., Moodysson, J. (2007), *Distrubuted Knowledge Networks and Intra- and Inter-regional Knowledge Flows*. DIME workshop, Nice, May.

Asheim, B.T. (2007), *When is 'regional' beautiful and why? Some introductory perspectives*. Introduction to special sessions at the Uddevalla conference, Uddevalla, June.

Asheim, B.T., Valentin, F., Zeller, C., (2007), *IPR and Innovation Systems: An International Comparison*, paper presented at the EPIP conference on IPR, Lund, September

Asheim. B.T., Cruz, S.S. (2007), *Cultural Industries, Talent Attraction and Knowledge Bases – The New Zealand Film Industry as Constructed Advantage*, paper presented at the 2nd International Seminar on Regional Innovation Policies, Salzburg, October.

Asheim, B.T. (2007), *Regional innovation systems, organisational innovation and developmental learning – towards a conceptual framework*, paper presented at the DIME workshop, Nice, November.

Asheim, B.T., Belussi, F. (2007), *Industrial Districts and Globalisation: Learning and Innovation in Local and Global Production and Innovation Systems*, paper presented at the 33rd EIBA conference on ‘International Business, Local Development and Science-Technology Relationships, Catania, Italy, December.

Bengtsson, L.

Bengtsson, L., Nilsson, A.S. and **Rickne, A** (2007), *Opportunity recognition in stem cell biology*, paper presented at the 19th Nordic Academy of Management Conference (NFF), Bergen, Norway, August.

Borrás, S.

Borrás, S. (2007), *Policy Innovation in Innovation Policy: Policy System and Meta-Policy System Changes in Europe*, paper presented at the international workshop “Policy Systems and Meta-Policy Systems in Advanced Countries: The Political Mechanism of Policy Change” University of Tokyo, March.

Borrás, S. (2007), *Discussant paper about Science in Society for the Conference: The Future of Science and Technology in Europe*, Portuguese EU presidency, Lisbon, October.

Chaminade, C.

Vang, J., **Chaminade, C.** and Coenen, L. (2007), *Learning from the Bangalore Experience: The Role of Universities in an Emerging Regional Innovation System*, paper presented at Second Global Conference on Economic Geography, Beijing, China.

Chaminade, C. and Vang, J. (2007), NIAS workshop, Copenhagen, June.

Chaminade, C. (2007), Annual Meeting of the Association of Development Studies, Sussex, September.

Borrás, S., **Chaminade, C.**, and Edquist, C. (2007), *The challenges of globalisation: strategic choices for innovation policies*, paper presented at the Atlanta Conference on Science, Technology and Innovation Policy, October.

Chaminade, C. and Intarakumnerd, P. (2007), Atlanta Conference on Science, Technology and Innovation Policy, October.

Coenen, L.

Vang, J., Chaminade, C. and **Coenen, L.** (2007), *Learning from the Bangalore Experience: The Role of Universities in an Emerging Regional Innovation System*, paper presented at Second Global Conference on Economic Geography, Beijing, China.

Coenen, L., Rickne, A., Asheim, B. and Moodysson, A. (2007), *Differentiated Knowledge Bases, Distributed Knowledge Networks and the Role of Sectoral and Regional Innovation Systems: The Case of Biotechnology*, paper presented at Second Global Conference on Economic Geography, Beijing, China

Edquist, C.

Edquist, C. (2007), *A Policy for Increased Growth*, paper presented at Uppfinnarkollegiet [The Inventor's College], Stockholm, March.

Borrás, S., Chaminade, C., and **Edquist, C.** (2007), *The challenges of globalisation: strategic choices for innovation policies*, paper presented at the Atlanta Conference on Science, Technology and Innovation Policy, October.

Edquist, C. (2007), *National and Sectoral Systems of Innovation*, paper presented at the 'Expert Group Meeting on Innovation Systems in Practice, The Relevance for Industry in Developing Countries', United Nations Industrial Development Organisation (UNIDO), Vienna, October.

Ejermo, O.

Ejermo, O. and Kander, A. (2007), *R&D, patenting and patent quality in Sweden 1985-2002*, paper presented at The 2nd Annual EPIP (European Policy for Intellectual Property) conference held in Lund, September.

Ejermo, O. (2007), *Are quality-adjusted patents more geographically clustered than raw patent counts? Evidence using Swedish data*, paper presented at the Dahmén-sessions at the Uddevalla symposium 2007, Uddevalla, June.

Gabrielsson, J.

Gabrielsson, J. and Ejermo, O. (2007), *International cooperation for Swedish inventors – an exploratory study*, paper presented at the 2nd Annual Conference of the EPIP Association on Intellectual Property Rights, Lund, September.

Huse, M. and **Gabrielsson, J.** (2007), *The board as a team and its contribution to corporate innovation*, paper presented at the 27th Annual International Conference of the Strategic Management Society, San Diego, October.

Politis, D. and **Gabrielsson, J.** (2007), *Entrepreneurs' attitudes towards failure – an experiential learning approach*, paper presented at Babson Kauffman Entrepreneurship Research Conference (BKERC), Madrid.

Göktepe, D.

Göktepe, D. (2007), *Profiling Serial Inventors & Creative Research Milieus: What matters Nature, Nurture or Something else*, paper presented at DRUID-DIME Academy Winter 2007 PhD Conference on Geography, Innovation and Industrial Dynamics , Denmark.

Göktepe, D. (2007), *Profiling Inventors & Roles of TTOs*, paper presented at 6th Biennial International Triple Helix Conference on University, Industry and Government Linkages, Singapore.

Göktepe, D. (2007), Identification of University Patents: Top-down versus Bottom-up Linkages, paper presented at 6th Biennial International Triple Helix Conference on University, Industry and Government Linkages, Singapore.

Göktepe, D. (2007), Session organizer on Triple Helix Indicators at 6th Biennial International Triple Helix Conference on University, Industry and Government Linkages, Singapore.

Göktepe, D. (2007), *Profiling Serial Inventors & Creative Research Milieus: What matters Nature, Nurture or Something else*, paper presented at DRUID Summer Conference 2007 on Appropriability, Proximity, Routines and Innovation, Copenhagen, June.

Göktepe, D. (2007), *Profiling Serial Inventors & Creative Research Milieus: What matters Nature, Nurture or Something else*, paper presented at 24th IASP Conference on Science Parks and Creative Professionals Conference, Spain. (Invited Speaker).

Göktepe, D. (2007), *Mapping of University Patenting Patterns at Lund University*, paper presented at 2nd Annual EPIP Conference, Lund, September.

Göktepe, D. (2007), *Who Are the Inventors? Why and How they Patent? Toward an Inventors' Typology*, paper presented at Technology Transfer Society Conference, California.

Hommen, L.

Hommen, L. and Rolfstam, M. (2007), *Public procurement and innovation: Towards a taxonomy*, invited paper presented at 16th Quality Conference, Istanbul, November.

Kander, A.

Ejermo, O. and **Kander, A.** (2007), *R&D, patenting and patent quality in Sweden 1985-2002*, paper presented at the 2nd Annual EPIP (European Policy for Intellectual Property) conference, Lund, September.

Kander, A. and Schön, L. (2007), *Industrial Dynamics and innovative pressure on energy, Sweden with European and Global Outlooks*, paper presented at the Nordic Historical Meeting in Reykjavik.

Svensson-Henning, M., **Kander, A.** and Ejermo, O. (2007), *Innovative activities, industrial transformation and growth in Sweden since 1985*, paper presented at the Seventh Conference of the European Historical Economics Society (EHES), Lund, June.

Landström, H.

Landström, H., (2007), *Institutional Venture Capital Research – the Past, the Present and the Future*, paper presented at the 9th SNEE European Integration Conference, Mölle, Sweden, May.

Landström, H., (2007), *Institutional Venture Capital Research – A Review and Synthesis*, paper presented at the ICSB World Conference, Turku, Finland, June.

Malmberg, C.

Malmberg, C. (2007) *Innovation and productivity growth in the Swedish pharmaceutical industry during times of change*, paper presented at the Seventh Conference of the European Historical Economics Society (EHES), Lund, June.

Moodysson, J.

Moodysson, J. (2007), *Spatially distributed life science systems: epistemic communities as global lifeworlds*, paper presented at the Association of American Geographers annual conference, San Francisco, April.

Coenen, L., **Moodysson, J.**, Benneworth, P., and Asheim, B. (2007), *Co-evolution in Constructing Regional Advantage: Exploring the Multiple Roles of Lund University in Strengthening the Regional Innovation System in Scania*, paper presented at the Association of American Geographers annual meeting, San Francisco, April.

Nygaard, S.

Nygaard, S. (2007), *Cooperation patterns in emerging technological fields*, paper presented at the 9th DRUID Conference, Aalborg, January.

Rickne, A.

Asheim, B., Coenen, L, Moodysson, J. and **Rickne, A.** (2007), *Differentiated Knowledge Bases, Distributed Knowledge Networks and the Role of Sectoral and Regional Innovation Systems: The Case of Biotechnology*, paper presented at the DIME - Workshop on Interdependencies of interactions in local and sectoral innovation systems, Jena.

Coenen, L., **Rickne, A.**, Asheim, B. and Moodysson, A. (2007), *Differentiated Knowledge Bases, Distributed Knowledge Networks and the Role of Sectoral and Regional Innovation Systems: The Case of Biotechnology*, paper presented at the Second Global Conference on Economic Geography, Beijing, China

Bengtsson, L., Nilsson, A.S. and **Rickne, A** (2007), *Opportunity recognition in stem cell biology*, paper presented at the 19th Nordic Academy of Management Conference (NFF), Bergen, Norway, August.

Laage-Hellman, J. and **Rickne, A.** (2007), *Regional Development as a Process of Coordination and Negotiation*, paper presented at the 6th International Triple Helix Conference on University-Government-Industry Links, Singapore, May.

Laage-Hellman, J. and **Rickne, A.** (2007), *Regional knowledge dynamics in Swedish biomedicine*, paper presented at the Second Global Conference on Economic Geography, Beijing, June.

Szogs, A. and **Rickne, A.** (2007), *The Emergence of Regenerative Medicine: The Case of Germany*, paper presented at the 6th International Triple Helix Conference on University-Government-Industry Links, Singapore, May.

Rolfstam, M.

Rolfstam, M., Phillips, W. and Bakker, E. (2007), *Public Procurement as an Engine for Adopting Innovations: the Case of the Silver Coated Catheter*, paper presented the 16th Annual IPSERA Conference – practice makes perfect, Bath, UK, April.

Rolfstam, M. (2007). *Organisations and Institutions in Public Procurement of Innovations: The Case of the Energy Centre in Bracknell Forest, UK*, paper presented at DRUID PhD Student Winter Conference, Skorpung, Aalborg, Denmark, January

B. Fabisiak and **Rolfstam, M.** (2007), *The Impact of Computer Aided Techniques and New Materials on The Process of Furniture Design*, paper presented at AMBIENTA 2007. Zagreb, Croatia. (1st author presented the paper).

Schön, L.

Kander, A. and **Schön, L.** (2007), *Industrial Dynamics and innovative pressure on energy, Sweden with European and Global Outlooks*, paper presented at the Nordic Historical Meeting in Reykjavik.

Lobell, H., **Schön, L.** and Krantz, O. (2007), *Observations from new Historical National Accounts for Sweden*, paper presented at the Swedish Economic Historical meeting in Stockholm, October.

Schön, L. , Hout, S. and Lains, P. (2007), *Sectoral Development in Europe 1945-2000*, paper presented at the CEPR Conference on Unified European Experience, London, October.

Szogs, A.

Szogs, A. and Rickne, A. (2007), *The role of government in the emergence of regenerative medicine. The case of Germany*, paper presented at the 6th Triple Helix Conference, Singapore, May.

Walter, M.

Walter, M. (2007), *Urban Planning as an Instrument for Structural Industrial Change*, paper presented at DRUID-DIME, Academy Winter 2007 PhD Conference on Geography, Innovation and Industrial Dynamics, January

Walter, M. (2007), *Image and Identity in Times of Structural Change*, paper presented at the 2nd Nordic Geographers Meeting, Bergen/Norway, June.

3.2. Participation

Asheim, B.T.

Asheim, B.T., Invited discussant at workshop on the research project ‘Innovation, Path Dependency and Policy’ (IPP), funded by the Norwegian Research Council, March.

Asheim, B.T., Workshop with project presentation on possible cooperation between ESF-project, ESF Brussel, June.

Asheim, B.T., OECD/DIME conference on patents, Venice, October.

Coenen, L.

Coenen, L. Invited discussant for workshop ‘Regional leadership for innovation in restructuring old industrial regions’ organized by NESTA, London, May.

Coenen, L. Participation in workshop ‘Regionala utvecklingsinitiativ’, Uppsala, September.

Coenen, L. Knowledge Dynamics and Innovation in White Biotechnology. Presentation at Greenchem Autumn Meeting, Fjälkinge, Sweden, October.

Coenen, L. Biotechnology as a platform technology – the variegated adoption of biotechnology in different industrial contexts. Presentation at ‘Institutional, territorial and evolutionary perspectives on biotechnology’. Seminar and workshop at CIRCLE and the Department of Social and Economic Geography, Lund University, Sweden, November.

Edquist, C.

Edquist, C. gave a presentation at the Final Conference of the SNS (Studieförbundet Näringsliv och Samhälle; The Centre for Business and Policy Studies) project analyzing the medicine-related industrial sectors in Sweden, where one of the books mentioned in section 2.1.2. was presented, May.

Edquist, C. gave an opening address to the EPIP (European Policy for Intellectual Property) Annual Conference organised by Susana Borrás at CIRCLE on September.

Edquist, C. was the introductory speaker at the conference inaugurating the LUCIE (Lund University Centre for Innovation and Entrepreneurship) Building on November.

Malmberg, C.

Malmberg, C. (2007), The 2nd Annual EPIP (European Policy for Intellectual Property) conference held in Lund, September.

3.3. Arrangement of conferences

Asheim, B.

Asheim, B.T., Organizer of special session at The Association of American Geographers annual conference, San Francisco, April.

Asheim, B.T., Co-organizer of special sessions at the Uddevalla conference, Uddevalla, June.

Asheim, B.T., Organizer of international biotech workshop, CIRCLE/Department of Social and Economic Geography, Lund University, November.

Borrás, S.

Borrás, S., Organizer of second annual EPIP conference. Lund University, September.

Chaminade, C.

Chaminade, C. and Vang, J., Organization of the workshop “Globalization of Innovation. A deeper look into China and India”, Lund, April.

Edquist, C.

Edquist, C., arranged in collaboration with Gunilla Jönsson (Vice-chancellor of the engineering faculty of Lund University) a conference in relation to the stay of Susana Borrás as the Lise Meitner guest professor at Lund University during the spring semester.

Edquist, C was one of the organisers of the conference inaugurating the LUCIE (Lund University Centre for Innovation and Entrepreneurship) Building, Lund, November.

Ejermo, O.

Asheim, B., **Ejermo, O.** and Rickne, A. Organizers of the Dahmén sessions of the 2007 edition of the Uddevalla Symposium, June.

Hommen, L.

Hommen, L. with Asheim B. and Gabrielsson, J., Organization of three international seminars at Lund University, for the ‘Competence Building’ perspective of CIRCLE’s *Linnaeus* Research Programme:

- Bjørn Gustavsen (University of Oslo, Norway) - *Competence Building in Nordic Working Life Research*, April.
- Professor Alan Gibb (Durham University, UK) on *Entrepreneurial Education* and Professor Per-Erik Ellström (Linköping University, Sweden) on *Workplace Learning and Organizational Innovation*, May.

- Professor Alice Lam (Royal Holloway University of London, UK) - *Careers and Human Resource Flows between University and Industry*, September.

Göktepe, D.

Göktepe, D., Co-organizer of the 2nd Annual EPIP Conference, Lund, September.

Kander, A.

Kander, A., session organiser at *Ekonomiskt-historiskt möte i Stockholm*, October.

Kander, A. and Schön, L. organisers of the Seventh Conference of the European Historical Economics Society, Lund, June.

Moodysson, J.

Moodysson, J. (2007), Co-organizer of the international workshop *Institutional, territorial and evolutionary perspectives on biotechnology*, CIRCLE/Department of Social and Economic Geography, Lund University, November.

Rickne, A.

Rickne, A., Organizer of the workshop Regional Development under the auspices of the Dahmén Institute and hosted by CIND, Uppsala University, Uppsala, September.

Rickne, A., Ejermo, O. and Asheim, B., Organizer of the Dahmén Sessions at the Uddevalla Symposium, Uddevalla, June.

Rickne, A., Organizer of the workshop Regional Development Processes under the auspices of the Dahmén Institute and hosted by RIDE, Chalmers University of Technology, Gothenburg, January.

Schön, L.

Kander, A. and **Schön, L.**, organisers of the Seventh Conference of the European Historical Economics Society, Lund, June.

3.4. Guest lectures

Asheim, B.T.

Asheim, B.T., Invited key note speaker at the 1st International Seminar on 'Regional Innovation Policies', University of Porto, February.

Asheim, B.T., Invited key note speaker at the 2nd International Seminar on 'Regional innovation policies', University of Salzburg, October.

Asheim, B.T., Invited key note speaker on EURO-COOP concluding conference, Paris, December.

Asheim, B.T., Invited lecturer at workshop in Nordic benchmarking project on Regional innovation system, CERUT, Karlstad University, Arvika, March.

Asheim, B.T., Guest lecture, Department of sociology and human geography, University of Oslo, September.

Asheim, B.T., Guest lecture, Department of Economics, Padua University, December.

Borrás, S.

Borrás, S., Guest lecturer at Copenhagen University “Innovation in Europe’s Economy – The Lisbon Strategy”, Copenhagen, February.

Borrás, S., Invited discussant at the High Level conference “The Future of Science and Technology in Europe” arranged by the Portuguese presidency of the EU, Lisbon, October.

Borrás, S., Guest lecturer at the graduate course “Risk and uncertainty” at the Maastricht graduate school of governance, Maastricht University, The Netherlands, Maastricht, November.

Chaminade, C.

Chaminade, C. (2007), *Innovative clusters in developing countries*, Guest lecture in the Advanced Training Program, VINNOVA-SAREC, Stockholm December.

Chaminade, C. (2007), *Has the global distribution of innovation activities radically changed?*, Plenary session. Annual Meeting of the Association of Development Studies, Sussex, September.

Chaminade, C. (2007), *Will China and India change the global landscape of innovation?*, CAS Luncheon seminars, Center for Advanced Studies, Norwegian Academy of Sciences, Oslo, September.

Chaminade, C. (2007), *What do we know about globalization of innovation and what are the challenges for the future?*, CAS seminars on Understanding Innovation. Center for Advanced Studies, Norwegian Academy of Sciences, Oslo, September.

Chaminade, C. Coenen, L. and Vang, J. (2007), *Role of Universities in Systems of Innovation*, guest lecture, Chinese Academy of Sciences, June.

Coenen, L.

Coenen, L. and Asheim, B.T. (2007), *Explaining Spatial Patterns of Innovation: Analytical and Synthetic Modes of Knowledge Creation in the Medicon Valley Life Science Cluster*, Invited to NIRSA: National Institute for Regional and Spatial Analysis, Maynooth, Ireland.

Coenen, L. (2007), *Explaining Spatial Patterns of Innovation: Analytical and Synthetic Modes of Knowledge Creation in the Medicon Valley Life Science Cluster*, Invited to Department of Economics, University of Padua, Italy.

Edquist, C.

Edquist, C., 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, November.

Ejermo, O.

Ejermo, O. Invited speaker to the OECD workshop “The Regional Dimension of Innovation”, Paris, May.

Gabrielsson, J.

Gabrielsson, J. (2007), *Role of boards in new and small firms*, guest lecture on master level course “From Science to Business”, Karolinska institutet.

Gabrielsson, J. (2007), *Boards of directors: agency and resource perspectives*, guest lecture on master level course “Corporate governance”, Kristianstad University.

Högselius, P.

Högselius, P. (2007), *The Politics of Spent Nuclear Fuel in Historical Perspective: An International Comparison*, guest lecture, Helmut-Schmidt-Universität der Bundeswehr, Hamburg, June.

Kander, A.

Kander, A. (2007), *Economic Growth and Climate Change – does time matter?*, guest lecture at summer school for European PhD students in Economic History, Tartu, Estonia, August.

Szogs, A.

Szogs, A. (2007), *Institutional, Territorial and evolutionary perspectives on biotechnology*, invited speaker at Seminar and workshop at CIRCLE & the Department of Social and Economic Geography, Lund University, Sweden, November.

Walter, M.

Walter, M. (2007), *City and Culture*, guest lecture at the International Workshop on “Culture and the City”, organized by network “Future Urban Research in Europe”, July.

Walter, M., Guest Lectures, Master Programme, Blekinge Institute of Technology, November.

4. Academic assignments during 2006

Asheim, B.T.

Asheim, B.T., Deputy Director at CIRCLE (2004-2010).

Asheim, B.T., Member of the board of LUCIE (September 2007 -)

Asheim, B.T., Visiting Professor (unpaid) at Department of Geography, National University of Ireland at Maynooth, 2007-2010.

Asheim, B.T., Professor II at Centre for Innovation and Work Life Research, University of Agder, Norway (2007-2010).

Asheim, B.T., Representative of Lund University in DIME (Dynamics of Institutions and Markets in Europe), which is a network of excellence of social scientists in Europe, funded by the 6th Framework Program of the EU.

Asheim, B.T., Member of the evaluation committee for CoE in 'Spatial Economics', Economic and Social Research Council, UK.

Asheim, B.T., Member of evaluation committee for Exploratory Workshops, European Science Foundation, Strasbourg.

Asheim, B.T., Member of editorial board of: *Economic Geography*, *European Planning Studies*, *Journal of Economic Geography* and *Nordisk Samhällsgeografisk Tidsskrift*.

Asheim, B.T., Member of international advisory board in *International Journal of Action Research and Organizational Renewal*.

Asheim, B.T., Member of editorial board for the new e-journal *Geography Compass*, published by Blackwell.

Asheim, B.T., Member of International Advisory Board for Routledge Studies in Economic Geography, Routledge Publishers, London.

Asheim, B.T., Member of the International Advisory Committee for the Canadian Innovation Systems Research Network and MCRI project on 'The Social Dynamics of Economic Performance: Innovation and Creativity in City-Regions', funded by the Canadian Social Science Research Council (2006-2010), and coordinated by professors Meric Gertler and David Wolfe, University of Toronto.

Asheim, B.T., Member of the International Advisory Board of the Centre for European Studies on Territorial Development, University of Durham, UK.

Asheim, B.T., Member of the International Scientific Panel, Centre for Knowledge, Innovation, Technology and Enterprise (KITE), Newcastle University.

Asheim, B.T., Member of scientific advisory board for 'EURO-COOP', Research programme – EU's 6 FP.

Asheim, B.T., Member of scientific advisory board for 'Internal Cure, Research programme – EU's 6 FP.

Asheim, B.T., Expert for *Riksbankens jubileumsfond*, *Vetenskapsrådet*, NorFA and Norwegian Research Council.

Edquist, C.

Edquist, C., Director of CIRCLE during 2007.

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. Five meetings were held in Brussels during 2007.

Edquist, C., Adjunct member of the Teacher's Appointment Committee of the School of Economics and Management, Lund University for the appointment of six positions at CIRCLE.

Edquist, C., Evaluator of applications to an EU Framework 7 research program on the Impact of Internationalisation on Europe's Research and Innovation Systems, June 28 – July 6, Brussels.

Edquist, C., Member of the 'Scientific Forum' of 'Forum för Småföretagsforskning' (FSF; 'Swedish Foundation for Small Business Research') during 2007.

Hommen, L.

Hommen, L. and Gabrielsson, J., Responsible for leading the 'Competence Building' perspective in CIRCLE's Linnaeus research programme.

Hommen, L., External evaluator in 2007 of an ESST MA thesis by Christian S. Halvorsen – *Corporate Social Responsibility: What are the predominant drivers for a company to be socially responsible and to what extent is CSR integrated with business strategies?*, University of Oslo.

Hommen, L., Responsible in 2007 for an advanced undergraduate course on the management of innovation, titled *Global Competition in High Technology Sectors*, at the Lund Institute of Technology (LTH), Lund University.

Högselius, P.

Högselius, P. was Director of Studies for the ESST Masters Programme at the Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE) during January-June 2007.

Kander, A.

Kander, A. referee for *World Development*.

Pålsson, C.M.

Pålsson, C.M., Director of Studies for the ESST Masters Programme at the Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE) from July 1 2007.

Rickne, A.

Rickne, A., Research Director of The Dahmén Institute (www.dahmeninstitutet.se).

Rickne, A., Elected member of the Board of Management for The International Joseph Alois Schumpeter Society, www.iss-evec.de/organization.htm.

Rickne, A., Member of Reference group for the project Equality and sustainable development – A study of equality issues and change processes in regional innovation systems, Project leader: Ann-Christin Nyberg, Luleå University.

Schön, L.

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

Schön, L., Chairman of the Council of the PhD Programme of LUSEM.

Schön, L., President of European Historical Economics Society.

Table 4. Supervision of CIRCLE PhD Students.

Name of supervisor	Name of CIRCLE PhD student
Chaminade, Cristina	Szogs, Astrid
Edquist, Charles	Göktepe, Devrim
Ejermo, Olof*	Malmberg, Claes
Gabrielsson, Jonas*	Thomas Brunsnes
Hommen, Leif	Rolfstam, Max
Landström, Hans	Brunsnnes, Thomas
Nilsson, Jan-Evert	Walter, Mareile
Rickne, Annika	Nygaard, Stian and Szogs, Astrid
Schön, Lennart	Malmberg, Claes

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

* = co-supervisor

Table 5. Supervision of ESST Master Students.

Name of supervisor	Name of ESST Master student
Asheim, Bjørn	Plechero, Monica
Chaminade, Cristina	Wu, Sijia
Coenen, Lars	Onishchenko, Julia
Gabrielsson, Jonas	Martina, Richard, Varbanova, Tanya
Högselius, Per	Beck, Alexander, Denkel, Jörg
Szogs, Astrid	Azatyany, Ruzanna , Margaryan, Sara

5. Third Mission, i.e. interaction with society, during 2007

Asheim, B.T.

Asheim, B.T., Member of the program board for VINNEX-CENTER (2004-2007).

Asheim, B.T., Invited key note speaker at conference on the planning of an 'Inland' University in Norway, Gjøvik, March.

Asheim, B.T., Invited key note speaker at the KEFU-day, Lund University, May.

Coenen, L., **B.T.Asheim** and J. Moodysson (2007), *Medicon Valley – A globally competitive, transnational bioregion*, consultancy report for the OECD.

Coenen, L.

Coenen, L. Science, Technology and Innovation Policy Implementation Training Course for policy-makers in Pemba, Mozambique (in collaboration with various researchers at RPI).

Coenen, L., B.T.Asheim and J. Moodysson (2007), *Medicon Valley – A globally competitive, transnational bioregion*, consultancy report for the OECD.

Edquist, C.

Edquist, C. and Hommen, L., Consulting experts to Rambøll Management Inc. for the EC – funded research project on *Opportunities for Public Procurement in the ICT Sector in Europe* (tender 2005/S 192-188648).

Edquist, C. and **Hommen, L.** with Fedorovitch, D. and Siriachenko, N. (2007), *Evaluation of Forum Scientium Postgraduate Research School, Linköping University*. Strategic Research Foundation (SSF), Stockholm.

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., Member of ‘Innovation Forum’. ‘Innovation Forum’ is a collaboration initiative involving the main actors in the regional innovation system where Lund University is located. It includes the heads of Lund University, the regional administration of ‘Region Skåne’, the science park ‘Idéon’, the Technology Bridging Foundation and firms.

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., Participated as an expert in the “OECD Thematic Review of Tertiary Education in Poland”, where his specific responsibility was innovation processes related to tertiary education in Poland. The result of the Review is mentioned in section 2.1.2.

Edquist, C., Member of a research group appointed by *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. Its aim is to improve the basis for rational decisions on major social and economic issues, by promoting social science research and stimulating public debate. The task of the research group was to analyse the medicine-related industrial sectors in Sweden. It resulted in a book listed in section 2.1.2.

Edquist, C., Presentation on Innovation Policy at a workshop organised by the Ministry of Industries and Trade, Oslo, Norway, March.

Edquist, C., Interview in *Entré*, a journal published by the Institute for Entrepreneurship and Small Firm Research, under the heading ‘Portrait’.

Edquist, C., Member of the reference group for the project “Innovativa små och medelstora företag – Sveriges framtid” (Innovative small and medium-sized enterprises – the future of Sweden) VINNOVA (Swedish Governmental Agency for Innovation Systems), Stockholm. Three meetings were held in Stockholm during 2007.

Edquist, C., Presentation on the Swedish Innovation System and Innovation Policy to the Minister of Education and Research, Lars Leijonborg, during his visit to Lund University, June.

Edquist, C., Presentation on Innovation Processes and Innovation Research to the Board on Lund University, September.

Edquist, C., Participant during 2006-7 in an Expert Group to make an Impact Assessment of The Innovative Medicines Initiative (IMI), which is one of the planned Joint Technology Initiatives planned by DG Research of the European Commission. The result of the Assessment is listed in section 2.1.2.

Edquist, C., Interviewed in *LUM* (‘Lund University Informs’), November.

Edquist, C., Interviewed in the Swedish daily newspaper *Sydsvenska Dagbladet*, November 10.

Edquist, C., Interview in the Swedish daily newspaper *Skånska Dagbladet*, November 10.

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

Edquist, C., Discussant and presenter at a workshop on the consequences for economic growth of R&D and innovation, with the Vice Minister of Research and Education (Peter Honeth) at the Ministry of Education, Stockholm, December.

Hommen, L.

Edquist, C. and **Hommen, L.** with Fedorovitch, D. and Siriaccenko, N. (2007), *Evaluation of Forum Scientium Postgraduate Research School, Linköping University*. Strategic Research Foundation (SSF), Stockholm.

Edquist, C. and **Hommen, L.**, Consulting experts to Rambøll Management Inc. for the EC – funded research project on *Opportunities for Public Procurement in the ICT Sector in Europe* (tender 2005/S 192-188648).

Högselius, P.

Högselius, P. and Kaijser, A. (2007), *Elavregleringen är ett skräckexempel*, article in the Swedish daily newspaper *Dagens Nyheter* (DN Debatt), June 19.

Högselius, P. and Kaijser, A. (2007), *Kraftbolagens vinster – helt i linje med politiska beslut*, article in the Swedish daily newspaper *Göteborgsposten* (Debatt), September 14.

Högselius, P. (2007), *Siktandet mot stjärnorna fick Sovjet på fall*, article in the Swedish daily newspaper *Svenska Dagbladet* (Under strecket), October 4

Högselius, P. and Kaijser, A. (2007), *När folkhemselen blev internationell: Elavregleringen i historiskt perspektiv*, [When the Swedish electricity market became international: the deregulation in a historical perspective], presentation at SNS, September.

Moodysson, J.

Asheim, B., Coenen, L., and **J. Moodysson** (2007), *Medicon Valley – A globally competitive, transnational bioregion*, consultancy report for the OECD.

Rickne, A.

Laage-Hellman, J. and **Rickne, A.** (2007), *Biomedical firms in Western Sweden: A survey of innovation activities*, Report to GöteborgBIO.

Rolfstam, M.

Rolfstam, M. (2007), *How Can Public Procurement Sustain Design Centred Products and Services? Some Challenges & Opportunities*, invited speaker, Agency for the Promotion of Industrial Creation/ Agence pour la promotion de la création industrielle (APCI) Le design du soutien au design. 4ème conférence sur les enjeux de la promotion du design en Europe, Paris, France, January.

Rolfstam, M. (2007), *Pioneering Demand for Innovation through Public Procurement*, invited speaker/workshop participant, , 2nd Innovation Society Conference 2007 's-Hertogenbosch, the Nederland's, June.

Rolfstam, M., Invited speaker/ workshop participant at VINNOVA (Swedish Governmental Agency for Innovation Systems) Procurement for Innovation: A Pracademic Discussion. Stockholm, June.

Rolfstam, M., Invited as country expert (Sweden) participator by VINNOVA at OMC- PTP Conference. Public technology Procurement. Brussels, Belgium November.

Rolfstam. M. (2007), *Public Procurement and Innovation: a Comparative Analysis of Sweden and Great Britain*, report to VINNOVA.

Schön, L.

Schön, L. Speech at the Ministry of Finance, Stockholm, January.

Schön, L. Speech at Confederation of Swedish Enterprise, Malmö, January.

Schön, L. Speech at *Nordiska Civilekonomers* Board meeting, Copenhagen June.

Schön, L., Speech at Statistics Sweden (SCB) conference.

Walter, M.

Hansen, H.K. and **Walter, M.** (2007), *Kreativa människors betydelse för ekonomin Technology, Talent and Tolerance in European Cities: A comparative study*, lecture held for municipal staff and politicians of the municipalities of Växjö, Kalmar, Karlskrona, Kristianstad, Halmstad, February.

Hansen, H.K. and **Walter, M.** (2007), *Kreativa människors betydelse för ekonomin Technology, Talent and Tolerance in European Cities: A comparative study*, lecture held for Region Blekinge, June.

6. External research contacts during 2007

Asheim. B.T.

Asheim B.T., Member of PhD committee, human geography, Karlstad University

Asheim B.T., Member of evaluation committee for professorship in economic geography, The Norwegian School of Economics and Business Administration, Bergen

Asheim B.T. Member of PhD committee, Aalborg University

Asheim B.T., Member of PhD committee, economic geography, Uppsala University

Asheim B.T., Member of PhD committee, Chalmers Technical University

Asheim B.T., Member of evaluation committee for professorship in regional development, The University of Southern Denmark

Asheim B.T., Member of scientific advisory board at DIME workshop in Nice, November

Asheim B.T., Referee for the following journals: *Economic Geography*, *Cambridge Journal of Economics*, *Environment and Planning A*, *Research Policy*, *Regional Studies*, *Transactions (Institute of British Geographers)*, *European Planning Studies*, *Journal of Economic Geography*, *European Urban and Regional Studies*, *Geoforum*, *Industry and Innovation*.

Borrás, S.

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

Borrás, S., Member of the “Lisbon Expert Group” DG Research, European Commission.

Borrás, S., Member of the ‘External governance group’ discussions at the European Patent Office. December.

Chaminade, C.

Chaminade, C., Reviewer for *Industry and Innovation*, *Research Policy*, *Environment and Planning A*, *Science and Public Policy*.

Coenen, L.

Coenen, L., Referee for *Economic Geography*, *Regional Studies*, *Entrepreneurship and Regional Development*, *Progress in Human Geography*, *Geoforum*.

Coenen, L., Referee for book proposal Edward Elgar.

Edquist, C.

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., Participant in an Expert Group to make an Impact Assessment of The Innovative Medicines Initiative (IMI), which is one of the planned Joint Technology Initiatives planned by DG Research of the European Commission, September – December.

Ejermo, O.

Ejermo, O., Referee for *Industrial and Corporate Change*.

Hommen, L.

Hommen, L., Expert evaluator (referee) regarding the 2007 application of Elias Sanidas, PhD, for appointment as senior Lecturer in Economics, at University of Wollongong, Wollongong, Australia, October.

Hommen, L., International expert (referee) in 2007 for the evaluation of research project applications submitted to the Norwegian Research Council, within the framework of the *Vekstforsk* programme.

Hommen, L., Reviewer in 2007 for the journals *Research Policy*, *Research Evaluation*, and *Regional Studies*.

Högselius, P.

Högselius, P., Referee for Estonian Science Foundation.

Högselius, P., Referee for *Higher Education Policy*.

Moodysson, J.

Moodysson, J., Referee for *European Urban and Regional Studies* and *European Planning Studies*.

Rickne, A.

Rickne, A., Member of Ph.D. Evaluation Committee for Ph.D. student Maria Backman, Chalmers University of Technology. (Main supervisor Sofia Börjesson).

Rickne, A., Evaluator for two positions as Associate Professor in Industrial Organization, at Linköping University.

Appendix 1: Method used for the citation analysis

The methodology follows what has been done and described in previous methodological notes of CIRCLE Annual Reports, except that now all publications are counted. Before the 2007 version (i.e. referring to publications up and until 2006) conference papers and working papers were excluded from the list of works referred to. The citation analysis presented in Section 1.2.2 shows citations to works published by the authors named. Citations refer to all citations made to the author in question.

We searched the citation sources Google scholar (<http://scholar.google.com>) and the Social Science Citation Index (<http://apps.isiknowledge.com>) for the author's name. Generally the last name was used but sometimes also the initial of the first name was included in cases when the last name generated unmanageably many hits. In the process we checked for possible misspellings such as Edqvist, which clearly refers to Edquist, and hence such citations were also counted. All hits were individually checked against the author's CV to find the original work that was cited.

Detailed method 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 will 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 all publications that are not 'proper' publications; to reduce the workload we have included all contributions by the authors (i.e. including e.g. working, conference and discussion papers) in the search. Such a control may often require checking against the person's CV. This is also necessary to make sure that it is the right person that is referred to, as would most likely be problematic if one searches for "Johansson B".
5. Account manually the total number of citations by adding the numbers of 'cited by###'.

In the Social science citation index, there were two possibilities; 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 journal, books and book chapters).

Detailed method for the **Social Science Citation Index**:

1. Start at <http://apps.isiknowledge.com>
2. Click on "Select a database"
3. Select "Web of Science"
4. Tick the boxes for Science Citation Index Expanded, Social Sciences Citation Index and Arts and Humanities Citation Index (click "change limits and settings" if these boxes are not shown already). Make sure that the whole time span of the database is selected (default)
4. Click on "Cited reference search"
4. 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 could use 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.

5. A list of publications by the searched author appears. Check all publications that are not ‘proper’ publications, i.e. not authored by the person in question; we have included all types of conference papers and working papers in this search. Such a control may often require checking against the person’s CV. This is also necessary to make sure that it is the right person that is referred to, as would most likely be problematic if one searches for “Johansson B”. Put a checkmark at all properly identified publications. Sum all checked citations.

(In the citation analyses of Annual Reports before 2007, the button Finish Search was pressed. However, it was discovered that this reduces the number of citations so it has not been pressed in the present analysis)