



CIRCLE ANNUAL REPORT  
2006

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



2006 ANNUAL REPORT FOR

**CIRCLE**

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

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## 1. Introduction

CIRCLE (Centre for Innovation Research and Competence in the Learning Economy) is an interdisciplinary research centre spanning several faculties at Lund University and Blekinge Institute of Technology, funded by VINNOVA, Lund University and Blekinge Institute of Technology. CIRCLE has since its creation in July 2004 established itself as the leading national centre for research on R&D, innovation, entrepreneurship and economic dynamics and is today the largest of the four national Centres of Excellence funded by VINNOVA in this field of research. CIRCLE is a member of the two Networks of Excellence in the field funded by the European Union under the 6<sup>th</sup> Framework Programme: DIME (Dynamics of Institutions and Markets in Europe) and PRIME (Policies for Research and Innovation in the Move towards the European Research Area). CIRCLE has well established connections with some of the most prominent research environments in the fields of innovation, entrepreneurship and economic growth.<sup>1</sup> For further development of CIRCLE's international contacts, guest researchers and visiting scholars are received to enhance the already exciting international research and teaching milieu through presentations and seminars.

The research carried out at CIRCLE during 2006 was described in the plan of action submitted to VINNOVA in 2004. It was organized into four main research areas 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 central to CIRCLE's new programme of 'Linnaeus' research, which will be discussed below.

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<sup>1</sup> The members of the CIRCLE International Advisory Board are Professor *Bart van Ark*, Groningen, the Netherlands, Professor *Phil Cooke*, Cardiff, UK, Professor *Jan Fagerberg*, Oslo, Norway, Professor *Meric Gertler*, Toronto, Canada, Professor *Richard Harrison*, Queens University, Belfast, Northern Ireland, Professor *Susan E. Cozzens*, Atlanta, US, Professor *Stan Metcalfe*, Manchester, UK and Professor *Bengt-Åke Lundvall*, Aalborg, Denmark.

## ***1.1. Organization***

In July 2006, CIRCLE was awarded a so-called 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 groups in all fields of research were nominated by all Swedish universities to apply for these grants. International reviewers selected 20 environments to receive ongoing financial support for the next ten years. Four of them were in the social sciences and the humanities. Of these, CIRCLE obtained the only Linnaeus grant for Swedish research in the field of innovation, entrepreneurship and growth. The award amounts to 50 million Swedish Crowns, to be paid out over a period of ten years, and will be accompanied by a matching contribution of ten million Swedish Crowns from Lund University.

On the basis of the Linnaeus grant awarded to CIRCLE by the Swedish Research Council, six (or more) positions as researchers in the area of “Innovation, Entrepreneurship and Knowledge Creation” were advertised in mid December 2006. Three (or more) positions are post doctoral research fellows (2+2 years) and three (or more) positions are lecturers. The former are limited term appointments, and the latter are tenured positions. There have been 60 applicants for the positions, and the process of selecting the eventual holders of these is under way in the first half of 2007.

In 2006, CIRCLE was expanded through the addition of another research unit, SPIRE (Strategic and Policy-oriented Innovation Research & Education). SPIRE was initially established in 2003 as the Division of Innovation (DI) at the Lund Institute of Technology (LTH). DI/SPIRE was founded on the basis of a grant from the Ruben Rausing Foundation for Innovation and Entrepreneurship which was used to create the Ruben Rausing Chair in Innovation Studies. As of April 2006, SPIRE was integrated into CIRCLE. This merger added three senior researchers – Professor Charles Edquist (holder of the Ruben Rausing Chair), and associate professors Leif Hommen and Annika Rickne -- and four PhD students – Devrim

Göktepe, Stian Nygaard, Max Rolfstam and Astrid Szogs – to CIRCLE's full-time staff.

SPIRE's research agenda, which is both interdisciplinary and centrally focussed on innovation, fits well with current research at CIRCLE, whose members are active within the fields of innovation studies (policy and management), economic geography, entrepreneurship, business administration, economic history, research policy and regional economics. We aim to make the most of possible synergies created by bringing together scholars in different disciplines and fields who are exploring similar areas of research.

Another important organizational initiative during 2006 has been planning for the eventual co-location of CIRCLE 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. The leadership of Lund University has 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. LU has therefore taken the initiative 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, which will include both academic (research and teaching) and technology transfer organizations, is to be called the Lund University Centre for Innovation and Entrepreneurship (LUCIE). A building at a central part of the Lund campus (the former 'MNO' building) has been allocated to LUCIE, and CIRCLE is scheduled to move into this building in September 2007. Other tenants will include the Research Policy Institute (RPI) and LU Innovation.

CIRCLE's seminar series has continued during 2006. It has featured a combination of invited guest speakers and researchers from CIRCLE and Lund University presenting their ongoing work.

CIRCLE electronic working papers have also continued during 2006. 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 2006, 15 working papers were published in the series.

As part of the internal planning of research activities – especially in the light of the new Linnaeus grant – CIRCLE held a two-day retreat in Mallorca in mid-October 2006. Discussions centered on how the new research initiatives in the Linnaeus application should be integrated with the ongoing research at CIRCLE, and also addressed strategies for recruitment of new researchers.

**Table 1. CIRCLE staff 2006.**

| <b>Name</b>         | <b>Position</b>  |
|---------------------|--|
| Asheim, Björn       | Professor in Economic Geography / Deputy Director CIRCLE |
| Benner, Mats        | Reader, Director Research Policy Institute               |
| Bratt, Christina    | Administrator  |
| Brunsnæs, Thomas    | PhD candidate  |
| Chaminade, Cristina | Assistant Professor in Innovation Studies                |
| Coenen, Lars        | Researcher, PhD  |
| Dahlbäck, Ola       | Systems administrator                                    |
| Edquist, Charles    | Professor in Innovation Studies/ Director of CIRCLE      |
| Ejerme, Olof        | Assistant Professor in Innovation Studies                |
| Gabrielsson, Jonas  | Assistant professor                                      |
| Göktepe, Devrim     | PhD Candidate  |
| Hommen, Leif        | Associate professor                                      |
| Högselius, Per      | Director of Studies                                      |
| Inzunza, Luis       | Research assistant                                       |
| Jacob, Merle        | Associate professor (on leave)                           |
| Jönsson, Elna       | Administrator  |
| Kander, Astrid      | Assistant professor in Economic History                  |
| Kellner, Ann-Marie  | Administrator  |
| Landström, Hans     | Professor in Business Administration                     |
| Malmberg, Claes     | PhD candidate  |
| Nilsson, Jan-Evert  | Professor, Blekinge Institute of Technology              |
| Nygaard, Stian      | PhD candidate  |
| Persson, Bo         | Assistant professor                                      |
| Rickne, Annika      | Associate Professor                                      |
| Rolfstam, Max       | PhD candidate  |
| Schön, Lennart      | Professor in Economic History                            |
| Selander, Sten      | PhD candidate  |
| Stenberg, Emelie    | Research assistant                                       |
| Szogs, Astrid       | PhD candidate  |
| Walter, Mareile     | PhD candidate  |
| Vang-Lauridsen, Jan | Researcher, PhD  |

CIRCLE's staff comes from various departments at Lund University and Blekinge Institute of Technology and consisted, during 2006, of the persons listed in Table 1.

CIRCLE has continued to develop its homepage (<http://www.circle.lu.se>) during 2006 providing updated information about CIRCLE, its staff and activities. The electronic working paper series is also published on the homepage. The homepage is now in the process of being adjusted to the general design used at Lund University.

## ***1.2. Research and related activities***

### **1.2.1. 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) is 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 plan of action presented to VINNOVA in 2004.

### **1.2.2. Citations**

Publications by CIRCLE researchers are frequently cited by other scholars. With this Annual Report we have chosen to start using citations as a criterion for assessing publication by CIRCLE staff. 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 2 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 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 2. Number of citations received by CIRCLE research staff, February 2007.**

|                 | <b>SSCI</b> | <b>Google Scholar</b> |
|-----------------|-------------|-----------------------|
| Asheim, B.      | 442         | 1194                  |
| Benner, M.      | 37          | 159                   |
| Chaminade, C.   | 1           | 63                    |
| Coenen, L.      | 7           | 48                    |
| Edquist, C.     | 606         | 2027                  |
| Ejermo, O.      | 4           | 41                    |
| Gabrielsson, J. | 8           | 60                    |
| Hommen, L.      | 25          | 198                   |
| Högselius, P.   | 3           | 8                     |
| Jacob, M        | 56          | 174                   |
| Kander, A.      | 11          | 18                    |
| Landström, H.   | 62          | 408                   |
| Nilsson, J-E.   | 32          | 75                    |
| Persson, B.     | 0           | 2                     |
| Rickne, A.      | 54          | 264                   |
| Schön, L.       | 53          | 269                   |
| Vang, J.        | 0           | 19                    |

*Sources:* The citation analysis 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://isi15.isiknowledge.com/portal.cgi/wos>) 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 in this report.

### 1.2.3. External funding

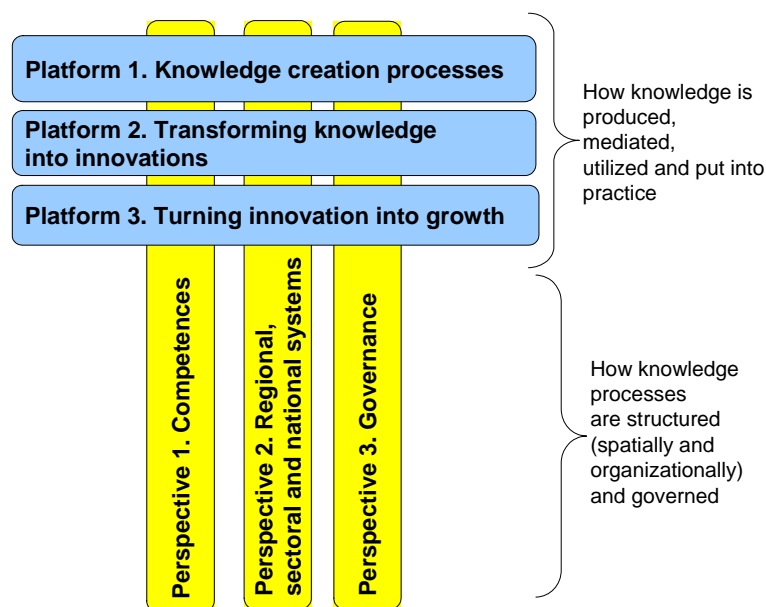
As mentioned earlier, CIRCLE was awarded one of the 20 Linnaeus grants from the Swedish Research Council from July 2006. There are obvious differences but also clear similarities and overlaps between the ‘old’ VINNOVA and ‘new’ Linnaeus research programmes. The new research programme is *structurally 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 NSI), and the new programme’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 milieu will be 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 will conduct basic research around key research questions at the individual, organizational and societal levels. The platforms and perspectives cover the full cycle of knowledge creation, knowledge exploitation and knowledge-based growth, including feed-back loops and interaction processes that span these distinct stages of the cycle. These platforms and perspectives are illustrated in Figure 1.<sup>2</sup>

**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 merely consolidate and extend themes

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

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 cross-cutting 'perspectives'.

Researchers and sub-groups of researchers at CIRCLE have also, during 2006, attracted substantial external funding - in addition to the large grants from VINNOVA and the Swedish Research Council - for specific new research projects. Many of these additional projects have been conceived as attempts to integrate parts of the four research areas of CIRCLE's VINNOVA programme.

#### 1.2.4. PhD examinations

In 2006 the first two PhD candidates at CIRCLE received their PhD degrees. Jan Vang defended his dissertation in economic geography entitled '*Industrial Dynamics and the Spatial Organization of Industries*' in June, with reader Domenic Power, of Uppsala University, as the opponent. Lars Coenen, also in economic geography, defended his dissertation '*Faraway, so close! The changing geographies of regional innovation*' in October, with professor Meric Gertler, of the University of Toronto, as opponent. The supervisor of both theses was Professor Bjørn Asheim.

### **1.3. Teaching**

#### 1.3.1. ESST Master Programme

CIRCLE launched a new one-year international Master's Programme in Society, Science and Technology in 2005. The programme, which currently hosts its second 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. The programme has 20 places, which are filled by both Swedish and foreign students. The number of applicants increased in 2006 by 25% to 295, and preliminary figures for the upcoming 2007 intake indicates a further increase by 37% to 405 applications, making the programme one of the most popular Master's programmes offered by Lund University.

The actual number of students participating in the programme was 28 for the academic year 2005-2006, and is 19 for the current academic year, 2006-2007. By the end of 2006 a total of 18 students from the first cohort had handed in their graduate theses. Of these, 15 graduated successfully and were awarded a master's degree. Two students had interrupted their studies,

eight students were still completing their graduate theses, and three students were in the process of revising their theses. With a time lag of about six months, the number of graduates is expected to meet the target of 20 awarded degrees per year.

Around 30 CIRCLE-related researchers contributed to the programme through teaching and thesis supervision. Studies within the programme were coordinated and directed by Per Högselius. With respect to scientific content, the first semester follows a general curriculum which is shared by all ESST member universities. The second semester is devoted to fields of particular CIRCLE expertise, with two ‘specializations’, within which students write their graduate theses: (1) Innovation and economic development in the new Europe: regional, national and supranational perspectives; and (2) Science, entrepreneurship and innovation in time and space.

Starting from the academic year 2007, the programme will be expanded into a 2-year programme. The expansion should be seen in relation to the overall expansion of CIRCLE in terms of co-localization in the new building, new research grants and new courses in undergraduate teaching.

### 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 2006, CIRCLE also became actively involved and primarily responsible for four courses at the faculty of engineering, LTH. In total, 71 students have taken the four LTH courses described below. It can be noted that the student evaluations turned out very positively and the interactive, case-based nature of the courses was much appreciated. The courses were the following:

#### *Introduction to Innovation Management*

The 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 about 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.

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, 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 and high quality of the work carried out at CIRCLE.

## 2. Publications during 2006

The rest of this Annual Report covers publications and other dissemination activities by CIRCLE staff during 2006. 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 2006

#### 2.1.1. Journal articles and book chapters

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

**Asheim, B.T.** and Coenen, L. (2006) Contextualising Regional Innovation Systems in a Globalising Learning Economy: On Knowledge Bases and Institutional Frameworks, *Journal of Technology Transfer*, 31: 163-173.

Coenen, L., Moodysson, J., Ryan, C., **Asheim, B. T.** and Phillips, P. (2006) Comparing a Pharmaceutical and an Agro-food Bioregion: On the Importance of Knowledge Bases for Socio-spatial Patterns of Innovation, *Industry and Innovation*, 13(4): 393-414.

**Asheim, B. T.** and Vang, J. (2006) Regional innovation systems in Asian countries: A new way of exploiting the benefits of transnational corporations, *Innovation: Management, Policy & Practice*, 8(1-2): 27-44.

Vang, J. and **Asheim, B. T.** (2006) Regions, absorptive capacity and strategic coupling with high-tech TNCs: Lessons from India and China, *Science, Technology & Society*, 11(1): 39-66.

**Asheim, B.T.** and Coenen, L. (2006) The Role of Regional Innovation Systems in a Globalising Economy: Comparing Knowledge Bases and Institutional Frameworks of Nordic Clusters, in Vertova G. (ed.), *The Changing Economic Geography of Globalization*. Routledge, London.

**Asheim, B.**, Cooke, P., and Martin, R. (2006) The Rise of the Cluster Concept in Regional Analysis and Policy: A Critical Assessment, in Asheim, B., Cooke, P., and Martin, R. (eds.), *Clusters and Regional Development: Critical reflections and explorations*, Routledge, London.

Coenen, L. and **Asheim, B.T.** (2006) Constructing Regional Advantage at the Northern Edge, in Cooke, P. and Piccoluga, A. (eds.), *Regional Development in the Knowledge Economy*. Routledge, London.

**Asheim, B. T.** (2006) Learning firms in learning regions: Innovation, Cooperation, and Social Capital, in Taylor, M. and Oinas, P. (eds.), *Understanding the Firm: Spatial and Organizational Dimensions*, Oxford University Press, Oxford.

**Asheim, B. T.** (2006), Economic Geography as (Regional) Contexts, in Bagchi-Sen, S. and Lawton Smith, H. (eds.), *Past, Present and Future of Economic Geography*, Routledge, London.

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

**Chaminade, C.** and Edquist, C. (2006) From theory to practice. The use of the systems of innovation approach in innovation policy, in Hage, J. and Meeus, M. (eds.), *Innovation, Science and Institutional Change. A Research Handbook*, Oxford University Press.

**Chaminade, C.** and Vang, J. (2006) Innovation Policy for Asian SMEs: an Innovation Systems Perspective, in H. Yeung, *Handbook of Research on Asian Business*. Edward Elgar.

Edquist, C. and **Chaminade, C.** (2006) Industrial Policy from a Systems of Innovation Perspective, *EIB papers*, 11(1-2), July.

**Chaminade, C.** and Heijts, J. (2006) Intangibles e Internacionalización: cultura, capital humano e innovación [Intangibles and Internationalization: Culture, human capital and innovation], Introduction to the Special Issue, *Revista Información Comercial Española*, 834, [www.revistasice.com](http://www.revistasice.com).

Coca, A. and **Chaminade C.** (2006) Transformaciones organizativas, gestión del conocimiento e intangibles en Unión Fenosa [Organizational Change, knowledge management and intangibles in Union Fenosa], *Revista Información Comercial Española*, 834: 147-156, [www.revistasice.com](http://www.revistasice.com).

**Chaminade, C.** and Johanson, U. (2006) Impacto de la cultura nacional en empresas intensivas en conocimiento [The impact of domestic culture on Knowledge intensive companies], *Revista Información Comercial Española*, 834: 133-145, [www.revistasice.com](http://www.revistasice.com).

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

Asheim, B.T. and **Coenen, L.** (2006) Contextualising Regional Innovation Systems in a Globalising Learning Economy: On Knowledge Bases and Institutional Frameworks, *Journal of Technology Transfer*, 31: 163-173.

Asheim, B.T. and **Coenen, L.** (2006) The Role of Regional Innovation Systems in a Globalising Economy: Comparing Knowledge Bases and Institutional Frameworks of Nordic Clusters, in Vertova G. (ed), *The Changing Economic Geography of Globalization*, Routledge.

**Coenen, L.** and Asheim, B.T. (2006) Constructing Regional Advantage at the Northern Edge, in Cooke, P. and Piccoluga, A. (eds.), *Regional Development in the Knowledge Economy*, Routledge.

**Coenen, L.,** Moodysson, J., Ryan, C., Asheim, B.T. and Phillips, P. (2006) Comparing a Pharmaceutical and an Agro-food Bioregion: On the Importance of Knowledge Bases for Socio-spatial Patterns of Innovation, *Industry and Innovation*, 13(4): 393-414.

***Edquist, C.***

**Edquist, C.** and Meeus, M. (2006) Introduction to Part I: Product and Process Innovation, in Hage, J., and Meeus, M. (eds.), *Innovation, Science and Institutional Change. A Research Handbook*, Oxford University Press.

Chaminade, C. and **Edquist, C.** (2006) From theory to practice. The use of the systems of innovation approach in innovation policy, in Hage, J. and Meeus, M. (eds.), *Innovation, Science and Institutional Change. A Research Handbook*, Oxford University Press.

**Edquist, C.** and Chaminade, C. (2006) Industrial Policy from a Systems of Innovation Perspective, *EIB papers*, 11(1-2), July.

***Ejermo, O.***

**Ejermo, O.** and Karlsson, C. (2006) Interregional Inventor Networks as Studied by Patent Coinventorships, *Research Policy*, 35: 412-430.

**Ejermo, O.** and Kander, A. (2006) The Swedish Paradox: Myth or Reality?, in Johansson, I. (ed.), *Innovations and Entrepreneurship in Functional Regions. Papers presented at the Uddevalla Symposium 2005*, Uddevalla, Sweden.

***Hommen, L***

**Hommen, L.,** Doloreux, D., and Larsson, E. (2006) Emergence and growth of Mjärdevi Science Park in Linköping, Sweden, *European Journal of Planning Studies*. 14(10): 1331 – 1361.

**Hommen, L.** and Rolfstam, M. (2006) Classifying public procurement of innovation: A taxonomy, *Tijdschrift Aanbestedingsrecht*, Special Issue on Innovative Procurement, October.

***Högselius, P.***

**Högselius, P.** (2006) The Dynamics of Innovation in Post-Communist Countries: Challenges and Opportunities, in Sergi, B. et al. (eds.), *Industries and Markets in Central and Eastern Europe*, Ashgate, London.

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*Nygaard, S.*

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*Rickne, A.*

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#### 2.1.2. Books, booklets and special issues

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***Coenen, L.***

**Coenen, L.** (2006) *Faraway so Close! The Changing Geographies of Regional Innovation*, PhD thesis, Mediatryck, Lund.

***Edquist, C.***

**Edquist, C.**, Mohrman, S., J. Hollingsworth, J.R., Jordan, G., Meeus, M. and Hage, J. were on the editorial committee of Hage, J. and Meeus, M. (eds.), *Innovation, Science and Institutional Change. A Research Handbook*, Oxford University Press.

***Schön, L***

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***2.2. Texts accepted during 2006 for publication***

2.2.1. Journal articles and book chapters

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

**Asheim, B. T.** (forthcoming), Learning and innovation in a globalising economy: The role of learning organizations and regions, in Ennals, R. and Gustavsen, B. (eds.), *Learning together for local innovation: Promotion of Learning Regions*, Cedefop (EU), Thessaloniki.

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

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**Chaminade, C.** and Vang, J. (forthcoming) Strategic change and the use of Intellectual Capital tools to search for new competences: the case of the electrical utility sector in Spain, in Chaminade, C. and Catusus, B. *The paradox of knowledge-intensive organisations: Intellectual Capital Revisited*, Edward Elgar.

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

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

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Chaminade, C. and **Vang, J.** (forthcoming) Strategic change and the use of Intellectual Capital tools to search for new competences: the case of the electrical utility sector in Spain, in Chaminade, C. and Catusus, B. *The paradox of knowledge-intensive organisations: Intellectual Capital Revisited*, Edward Elgar.

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## 2.2.2. Books, booklets and special issues

### *Chaminade, C.*

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

**Chaminade, C.**, Dolfsma, W. and Vang, J. (forthcoming) Special Issue on “The role of knowledge in the economy: concepts, dynamics and policy implications”, *Research Policy*.

### *Edquist, C.*

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

Arvidsson, G., Bergström, H., **Edquist, C.**, Högberg, D. and Jönsson, B. (forthcoming) *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. (forthcoming) *Thematic Review of Tertiary Education: Poland*, Organisation for Economic Co-operation and Development, Directorate for Education, Education and Training Policy Division, Paris.

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

### *Hommen, L.*

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

### *Högselius, P.*

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

### *Jacob, M.*

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

### *Landström, H.*

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

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**Landström, H.** and Löwegren, M. (ed.) (forthcoming) *Entreprenörskap och företagsetablering*, Studentlitteratur, Lund.

#### **Persson, B.**

**Persson, B.**, G. Gooch and G. Jansson (forthcoming) *Demokratisk dialog eller kamp om dagordningen – Studier av kommunikationen mellan kommuner, massmedier och medborgare i Östergötland*, CKS, rapport 2006:5, Linköping.

**Persson, B.** (forthcoming) Kommunerna i mediasamhället: Offer eller strategiska aktörer? [Municipalities in the media society: victims or strategic actors?] in Persson, B., G. Gooch and G. Jansson (2006) *Demokratisk dialog eller kamp om dagordningen – Studier av kommunikationen mellan kommuner, massmedier och medborgare i Östergötland*, CKS, rapport 2006:5, Linköping.

#### **Vang, J.**

Chaminade, C., Dolfsma, W. and **Vang, J.** (forthcoming) Special Issue on “The role of knowledge in the economy: concepts, dynamics and policy implications”, *Research Policy*.

### **2.3. Working papers during 2006**

#### 2.3.1 CIRCLE Working Paper Series

#### **Brunsnæs, T.**

Gabrielsson, J., Landström, H. and **Brunsnæs, T.** (2006) A knowledge-based categorization of research-based spin-off creation, *CIRCLE Working Paper Series*, 2006/06.

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

**Chaminade, C.** and Vang, J. (2006) Globalisation of Knowledge Production and Regional Innovation Policy: Supporting Specialized Hubs in Developing Countries, *CIRCLE Electronic Working Paper Series*, 2006/15.

**Chaminade, C.** and Edquist, C. (2006) Rationales for public intervention from a system of innovation approach: the case of VINNOVA, *CIRCLE Electronic Working Paper Series*, 2006/04.

**Chaminade, C.** and Vang, J. (2006) Innovation policy for Asian SMEs: exploring cluster differences, *CIRCLE Electronic Working Paper Series*, 2006/03.

Vang, J. and **Chaminade, C.** (2006) Building RIS in developing countries: Lessons from Bangalore, *CIRCLE Electronic Working Paper Series*, 2006/02.

*Edquist, C.*

Chaminade, C. and **Edquist, C.** (2006) Rationales for public intervention from a system of innovation approach: the case of VINNOVA, *CIRCLE Electronic Working Paper Series*, 2006/04.

*Ejermo, O.*

**Ejermo, O.** (2006), Inventive and innovative activity over time and geographical space: the case of Sweden, *CIRCLE Working Paper*, WP2006/14.

**Ejermo, O.** and Kander, A. (2006), Trends in R&D, innovation and productivity in Sweden 1985-2002, *CIRCLE Working Paper Series*, WP2006/09.

Andersson, M. and **Ejermo, O.** (2006), Technology and Trade: An Analysis of Technology Specialization and Export Flows, *CIRCLE Working Paper Series*, WP2006/05.

**Ejermo, O.** and Kander, A. (2006), The Swedish Paradox, *CIRCLE Working Paper Series*, WP2006/01.

*Gabrielsson, J.*

**Gabrielsson, J.**, Landström, H. and Brunsnæs, T. (2006) A knowledge-based categorization of research-based spin-off creation, *CIRCLE Working Paper Series*, 2006/06.

**Gabrielsson, J.** and Politis, D. (2006) Board control and corporate innovation: an empirical study of small technology-based firms, *CIRCLE Working Paper Series*, 2006/07.

Politis, D. and **Gabrielsson, J.** (2006) Informal investors and value added: The contribution of investors' experientially acquired resources in the entrepreneurial process, *CIRCLE Working Paper Series*, 2006/12.

Politis, D. and **Gabrielsson, J.** (2006) Informal investors and value added: What do we know and where do we go?, *CIRCLE Working Paper Series*, 2006/13.

*Kander, A.*

**Kander, A.**, Schön, L. and Enflo, K. (2006) Development Blocks and the Second Industrial Revolution,- Sweden 1900-1974, *CIRCLE Electronic Working Paper Series*, 2006/10.

Ejermo, O. and **Kander, A.** (2006), The Swedish Paradox, *CIRCLE Working Paper Series*, WP2006/01.

Ejermo, O. and **Kander, A.** (2006), Trends in R&D, innovation and productivity in Sweden 1985-2002, *CIRCLE Working Paper Series*, WP2006/09.

### ***Landström, H.***

Gabrielsson, J., **Landström, H.** and Brunsnæs, T. (2006) A knowledge-based categorization of research-based spin-off creation, *CIRCLE Working Paper Series*, 2006/06.

### ***Schön, L.***

Kander, A., **Schön, L.** and Enflo, K. (2006) Development Blocks and the Second Industrial Revolution,- Sweden 1900-1974, *CIRCLE Electronic Working Paper Series*, 2006/10.

### ***Vang, J.***

Chaminade, C. and **Vang, J.** (2006) Globalisation of Knowledge Production and Regional Innovation Policy: Supporting Specialized Hubs in Developing Countries, *CIRCLE Electronic Working Paper Series*, 2006/15.

Chaminade, C. and **Vang, J.** (2006) Innovation policy for Asian SMEs: exploring cluster differences, *CIRCLE Electronic Working Paper Series*, 2006/03.

**Vang, J.** and Chaminade, C. (2006) Building RIS in developing countries: Lessons from Bangalore, *CIRCLE Electronic Working Paper Series*, 2006/02.

#### 2.3.2. Other

### ***Gabrielsson, J.***

**Gabrielsson, J.** and Politis, D. (2006) Entrepreneurial decision making: Examining preferences for causal and effectual reasoning in the new venture creation process, *Lund Institute of Economic Research Working Paper Series*, 2006/5, Lund University.

## **3. Conferences during 2006**

### ***3.1. Participation with presentation of paper***

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

**Asheim, B.** (2006), Invited panel speaker and session organiser at AAG (Association of American Geographers) Annual Meeting, Chicago, March.

**Asheim, B.** (2006), Invited speaker at VINNOVA conference on The Creative Class, Stockholm.

**Asheim, B.** (2006), Paper presentation at Innovation Pressure conference, Tampere, Finland, March.

**Asheim, B.** (2006), Invited presentation at ESF workshop on Evolutionary Economic Geography, Cambridge University, April.

- Asheim, B.** (2006), Paper presentation at DIME workshop, Lund University, April.
- Asheim, B.** (2006), Invited presentation at DIME workshop, Madeira, May.
- Asheim, B.** (2006), Key note presentation at EURO COOP workshop, Vienna, May.
- Asheim, B.** (2006), Key note presentation at EURO COOP workshop, Warsaw, May.
- Asheim, B.** (2006), Invited presentation at biotech workshop, Pavia University, May.
- Asheim, B.** (2006), Paper presentation at Proximity conference, Bordeaux, June.
- Asheim, B.** (2006), Invited speaker at Innovation conference, Chengdu, China, August.
- Asheim, B.** (2006), Key note speaker at EURO COOP workshop, Manchester, September.
- Asheim, B.** (2006), Invited speaker at International food conference, Malmö, October.
- Asheim, B.** (2006), Key note speaker at conference on Innovation and Entrepreneurship, Oslo, November.
- Asheim, B.** (2006), Paper presentation at RSA conference on Global Regions, London, November.
- Asheim, B.** (2006), Paper presentation at DIME workshop, Athens, November-December.
- Asheim, B.** (2006), Key note speaker at EURO COOP workshop, Paris, December.

***Chaminade, C.***

- Chaminade, C.** and Edquist, C. (2006) *Rationales for public policy intervention in the innovation process: A systems of innovation approach. The case of VINNOVA*, paper presented at Inno-Pressure. Innovation Policies for the Future, Tampere, March.
- Chaminade, C.** and Vang, J. (2006) *Innovation policies for Asian SMEs. An Innovation System Perspective*, paper presented at Inno-Pressure. Innovation Policies for the Future, Tampere, March.
- Chaminade, C.** and Vang, J. (2006) *Building RIS in Developing Countries. Policy Lessons from Bangalore*, paper presented at the workshop The rapid industrialization of China and India: Domestic and International Consequences, April.
- Chaminade, C.** and Vang, J. (2006) *Upgrading in Asian clusters: Rethinking the importance of interactive-learning*, paper presented at DRUID Conference, June.
- Chaminade, C.** and Vang, J. (2006) *Innovation & upgrading in Asian clusters: rethinking the importance of interactive learning*, paper presented at New Asian Dynamics in science, technology and innovation, Gilleleje, September and Globelics, Trivandrum, India, October.

Vang, J. and **Chaminade, C.** (2006) *Policies for building Bangalore's future: An innovation systems perspective*, paper presented at Globelics, Trivandrum, India, October.

**Coenen, L.**

**Coenen, L.** (2006) *The role of universities in constructing regional advantage: a comparison between the emerging biotech industry in the English North-East, UK, and the mature food industry in Scania, Sweden*, paper presented at The Third International PRIME PhD Conference, Copenhagen, June.

Moodysson, J., **Coenen, L.** and Asheim, B.T. (2006) *Explaining Spatial Patterns of Innovation: Analytical and Synthetic Modes of Knowledge Creation in the Medicon Valley Life Science Cluster*, paper presented at the AAG (Association of American Geographers) Annual Meeting, Chicago, March.

Moodysson J., **Coenen L.** and Asheim B. (2006) *Explaining Socio-spatial Patterns of Innovation: Analytical and Synthetic Modes of Knowledge Creation in the Life Science Industry*, paper presented at the international workshop Global and Local Knowledge Networks in the Biotechnology Industry, Faculty of Economics, University of Pavia, Italy, May.

**Edquist, C.**

Chaminade, C. and **Edquist, C.** (2006) *Rationales for public policy intervention in the innovation process: A systems of innovation approach. The case of VINNOVA*, paper presented at Inno-Pressure. Innovation Policies for the Future, Tampere, March.

**Edquist, C.** *Globalization and Policy Changes for Small Countries* at 'The Innovations Imperative – Globalization and nacional Competitiveness' organized by VINNOVA (Swedish Governmental Agency for Innovation Systems), April.

**Edquist, C.** Key-note speech entitled *Industrial Policy from a Systems of Innovation Perspective*, at conference on Industrial and Innovation Policy organised by the European Investment Bank, Luxembourg, January 19.

**Edquist, C.** Key-note presentation on Activities in Innovation Systems and Firms Strategies, at BASF Plant Science research strategy conference in Helsingborg, Sweden, May.

**Edquist, C.** Key-note speech on *Innovation Processes in ten Small Countries in Asia and Europe* at the 'Contact' Conference with Industry organised by Lund University School of Economics and Management, May.

**Edquist, C.** and Hommen, L.(2006) *Comparing NSIs in Asia and Europe: Growth, globalisation, change, and policy*, paper presented at Globelics Conference, Trivandrum, India, October.

**Edquist, C.** and Hommen, L. (2006) *Comparing NSIs in Asia and Europe: Growth, globalisation, change, and policy*, paper presented at SPRU 40<sup>th</sup> Anniversary Conference, University of Sussex, Brighton, September.

**Edquist, C.** Key-note speech entitled *The Role of Universities in Innovations Systems* at UNESCO Forum on Higher Education, Research and Knowledge: Colloquium on Research and Higher Education Policy – Universities as Centres of Research and Knowledge Creation: An Endangered Species?, UNESCO, Paris, December

***Ejermo, O.***

**Ejermo, O.** and Kander, A. (2006) *Trends in R&D, innovation and productivity in Sweden 1985-2002*, paper presented at the SPRU 40th anniversary conference The Future of Science, Technology and Innovation Policy, September.

**Ejermo, O.** (2006) *The geographical distribution of inventive and innovative activity and its relation to R&D-resources*, paper presented at ADRES International Conference Networks of Innovation and Spatial Analysis of Knowledge Diffusion, Saint-Etienne, France, September.

**Ejermo, O.** and Andersson, M. (2006), *Technological Specialization and the Composition of Export flows - An analysis of Swedish Regions' Trade with Europe*, paper presented at DIME WP31 workshop Knowledge, International Specialisation and the Competitiveness of Europe, Vienna, February.

***Gabrielsson, J.***

**Gabrielsson, J.** and Politis, D. (2006) *Board control and corporate innovation: an empirical study of small technology-based firms*, paper presented at the EURAM Annual Conference, Oslo. Nominated for Best Paper.

Politis, D. and **Gabrielsson, J.** (2006) *Does experience matter? An empirical study of prior career experience and the development of entrepreneurial knowledge*, paper presented at the EURAM Annual conference, Oslo. Nominated for Best Paper.

**Gabrielsson, J.** and Politis, D. (2006) *Been there, done that - Exploring the influence of industry and functional work experience on opportunity recognition*, paper presented at RENT XX - Research in entrepreneurship and small business conference, Brussels.

***Göktepe, D.***

**Göktepe, D.** (2006) *University Patenting Patterns at Lund University*, paper presented at DRUID Anniversary Winter Conference, Aalborg.

**Göktepe, D.** (2006) *Bridging University and Industry: Technology Transfer Organizations*, paper presented at DRUID 11th anniversary summer conference, at Copenhagen Business School (CBS), Copenhagen, June.

**Göktepe, D.** (2006) *A comparative Analysis of Inventors Motivations to Patent*, paper presented at SPRU 40th Anniversary Conference, at University of Sussex, Brighton, UK, September.

***Hommen, L***

Edquist, C. and **Hommen, L.** (2006) *Comparing NSIs in Asia and Europe: Growth, globalisation, change, and policy*, paper presented at Globelics Conference, Trivandrum, India, October.

Edquist, C. and **Hommen, L.** (2006) *Comparing NSIs in Asia and Europe: Growth, globalisation, change, and policy*, paper presented at SPRU 40<sup>th</sup> Anniversary Conference, University of Sussex, Brighton, September.

***Högselius, P.***

**Högselius, P.** and Kaijser, A. (2006) *När folkhemselen blev internationell. Elavregleringen i historiskt perspektiv* [When the Swedish electricity market became international. The deregulation in a historical perspective], paper presented at the conference Teknikhistoriska dagar, Uppsala, April.

**Högselius, P.** and Long, V. (2006) *The Dynamics of ICT Innovation in Transition Economies: A Comparative Study of International Patenting in China and Eastern Europe*, paper presented at the 16th Biennial Conference of the International Telecommunications Society, Beijing, June.

**Högselius, P.** (2006) *Creative Destruction and National Systems of Innovation: A Small Country Perspective*, invited paper presented at the PHARE Conference on Creative Destruction Management in the Baltic Sea Region, Tallinn, August.

**Högselius, P.** (2006) *Learning to Destroy: Case Studies of Creative Destruction Management in the Baltic Sea Region*, keynote address presented at the PHARE Conference on Creative Destruction Management in the Baltic Sea Region, Tallinn, August.

**Högselius, P.** (2006) *The Politics of Spent Nuclear Fuel in Historical Perspective: An International Comparison*, paper presented at Annual Meeting of the Society for the History of Technology, Las Vegas, October.

***Kander, A.***

**Kander, A.** and Warde, P. (2006) *Energy availability and agricultural productivity- a new comparison*, paper presented at the XIV International Economic History Congress, Helsinki, August.

**Kander, A.**, Malanima, P., Gales, B. and Rubio, M. (2006) *North versus South. Energy transition and energy intensity in Europe over 200 years*, paper presented at the XIV International Economic History Congress, Helsinki, August.

Ejermo, O. and **Kander, A.** (2006) *Trends in R&D, innovation and productivity in Sweden 1985-2002*, paper presented at SPRU-conference, Brighton, September.



***Landström, H.***

Cornelius, B., **Landström, H.** and Persson, O. (2006) *Entrepreneurship Research: Towards a Domain Approach to Knowledge*, paper presented at the 14th Nordic Conference on Small Business Research, Stockholm, May.

**Landström, H.** (2006), *Entrepreneurship Research and the Knowledge Economy, World*, paper presented at the Conference on Intellectual Capital, Paris, June.

***Malmberg, C.***

**Malmberg, C.** (2006) *Can Trademark Statistics be Useful in Historical Innovation Studies?*, paper presented at First Sound Economic History Workshop, Department of Economics, University of Copenhagen, June.

**Malmberg, C.** (2006) *Can Trademark Statistics be Useful in Historical Innovation Studies?*, paper presented at First Summer School of the Marie Curie Research Training Network; Unifying the European Experience: Historical Lessons of Pan-European Development – Economic Growth in the Extremely Long Run, Florence, June.

***Nilsson, J. E.***

**Nilsson, J. E.** (2006) *Nordic Strategic Planning in Perspective*, paper presented at the international conference Spatial Planning and Development in Northern Peripheral Regions, Reykjavik.

***Nygaard, S.***

**Nygaard, S.** and Russo, A. (2006) *Trust, Coordination and Knowledge Flows in R&D Projects*, paper presented at the 5th Annual Colloquium of The European Academy of Business in Society (EABIS) Corporate Sustainability, Strategic Management & the Stakeholder View of the Firm, Milan, September.

**Nygaard, S.** and Russo, A. (2006) *Structure and Knowledge Flows in Cross Sectoral European R&D Projects: the Case of Fuel Cells and Hydrogen Technologies*, paper presented at the 6th Annual Conference of the European Academy of Management (EURAM), Oslo, May.

***Rickne, A.***

Bengtsson, L., Nilsson, A.S. and **Rickne, A.** (2006) *The evolution of stem cell venture ideas*, European Academy of Management (EURAM), Oslo, May.

Nilsson, A. S., **Rickne, A.** and Bengtsson, L. (2006) *Academic Research – Uncovering the Grey Zone*, paper presented at the Technology Transfer Society 2006 Annual Conference: Next Generation Innovation: New Approaches and Policy Designs, Atlanta, September.

**Rickne, A.,** Bengtsson, L. and Nilsson, A.S. (2006) *Knowledge creation and exploitation: Understanding the potential of the stem cell field*, paper presented at Globelics India 2006: Innovation Systems for Competitiveness and Shared Prosperity in Developing Countries, Trivandrum, India, October.

**Rickne, A.,** McKelvey, M. and Laage-Hellman, J. (2006), *Underlying assumptions in Public Policies for Modern Biotechnology*, paper presented at SPRU 40th Anniversary Conference - The Future of Science, Technology and Innovation Policy, University of Sussex, United Kingdom, September.

**Rickne, A.,** McKelvey, M. and Laage-Hellman, J. (2006) *Scrutinizing Policy Assumptions in Biotechnology*, paper presented at Globelics India 2006: Innovation Systems for Competitiveness and Shared Prosperity in Developing Countries, Trivandrum, India, October.

Szogs, A. and **Rickne, A.** (2006) *Institutional change as a process of negotiation: The case of European regulation for tissue engineering*, paper presented at Globelics India 2006: Innovation Systems for Competitiveness and Shared Prosperity in Developing Countries, Trivandrum, India, October.

#### ***Rolfstam, M.***

**Rolfstam, M.** (2006) *Public procurement and Institutions as External Limiting Factors of Design for Innovation: The case of innovative procurement of maritime radio technology*, paper presented at the DRUID PhD Student Winter Conference, Aalborg, January.

**Rolfstam, M.** (2006) *Public Procurement as an Innovation Policy Instrument*, paper presented at University of Bath Postgraduate Conference, June.

#### ***Schön, L.***

**Schön, L.** (2006) *Technological shifts and convergence in Europe since 1950*, paper presented at the World Economic History Congress, Helsinki, August.

**Schön, L.** (2006) *Agriculture and economic development in Sweden 1870-1939*, paper presented at the World Economic History Congress, Helsinki, August.

**Schön, L.,** Enflo, K. and Kander, A. (2006) *Development blocks and the second industrial revolution – Sweden 1900-1970*, paper presented at the World Economic History Congress, Helsinki, August.

**Schön, L.** (2006) *Technological waves and income distribution in Sweden 1870-2000*, paper presented at the SPRU Anniversary Conference at University of Sussex, September.

**Schön, L.** (2006) *The rise of the Fiscal state in Sweden*, invited paper to panel on the fiscal state at the Portuguese Economic History Association Meeting, the Azores, November.

***Szogs, A.***

**Szogs, A.** and Rickne, A. (2006) *Negotiations of Institutional Change: Regulation of Tissue Engineering in Europe as related to India*, paper presented at Globelics India 2006, Innovation Systems for Competitiveness and Shared Prosperity in Developing Countries Trivandrum, India, October.

***Vang, J.***

Chaminade, C. and **Vang, J.** (2006) *Building RIS in Developing Countries. Policy Lessons from Bangalore*, paper presented at the workshop The rapid industrialization of China and India: Domestic and International Consequences, April.

Chaminade, C. and **Vang, J.** (2006) *Upgrading in Asian clusters: Rethinking the importance of interactive-learning*, paper presented at DRUID Conference, June.

Chaminade, C. and **Vang, J.** (2006) *Innovation & upgrading in Asian clusters: rethinking the importance of interactive learning*, paper presented at New Asian Dynamics in science, technology and innovation, Gilleleje, September and Globelics, Trivandrum, India, October.

**Vang, J.** and Chaminade, C. (2006) *Policies for building Bangalore's future: An innovation systems perspective*, paper presented at Globelics, Trivandrum, India, October.

***3.2. Participation***

***Chaminade, C.***

**Chaminade, C.** Participation in Workshop on Innovation Policy, Utrecht, January.

**Chaminade, C.** Invited discussant in the Workshop on Creative Destruction Management in the Baltic Countries, Lund, January.

**Chaminade, C.** Participation in BRICS workshop - Learning, innovation and competence building systems in Brazil, Russia, India, China and South Africa, Aalborg, February.

**Chaminade, C.** Participation in ESTO Workshop on Towards Knowledge-based Societies. ICT for Growth and Cohesion in a Global Knowledge-based Economy: Lessons from East Asian Growth Area, Seville, January and Brighton, May.

***Coenen, L.***

**Coenen, L.** DIME WP 2.3 Workshop on: Industrial Innovation Dynamics and Knowledge Characteristics: Exploring the Differences, Commonalities, and Synergies of the Sectoral, National and Regional Innovation Systems Approaches - discussant

*Edquist, C.*

**Edquist, C.** Assessment of R&D Systems and Policies Based on a Functions Approach, organised in Brussels (DG Research) by IPTS, December.

**Edquist, C.** Instituting the market Process: Innovation, Market Architectures and Market Dynamics, organised by CRIC and LEM in Manchester, December

*Ejermo, O.*

**Ejermo, O.** Challenges to National Innovation Systems in a Globalizing World, workshop organized by VINNOVA, Stockholm, January.

*Gabrielsson, J.*

**Gabrielsson, J.** Invited participant at the Norefjell workshop on behavioral perspectives on boards and governance, organized by Norwegian School of Management BI, January.

*Hommen, L.*

**Hommen, L.** Invited participant at National IST Directors' Forum Workshop on Public Procurement in Support of ICT Research and Innovation, Brussels, May.

*Landström, H.*

**Landström, H.** Key-note speaker at the World Conference on Intellectual Capital, June.

**Landström, H.** Key-note speaker at the NORFACE Conference, October.

*3.3. Arrangement of conferences*

*Asheim, B.*

**Asheim, B.** Co-organiser of DIME workshop, Lund, April.

*Chaminade, C.*

**Chaminade, C.** Organiser of the DIME Workshop on Industrial innovation dynamics and knowledge characteristics: exploring the differences, commonalities and synergies of the sectoral, national and regional innovation systems approaches, Lund, April.

*Coenen, L.*

**Coenen, L.** DIME WP 2.3 Workshop on: Industrial Innovation Dynamics and Knowledge Characteristics: Exploring the Differences, Commonalities, and Synergies of the Sectoral, National and Regional Innovation Systems Approaches.

***Högselius, P.***

**Högselius, P.** Organiser of a workshop on Creative Destruction Management in the Baltic Sea Region, Lund, January.

***Landström, H.***

**Landström, H.** Organiser of Workshop on Venture Capital Policy, Lund, May.

**Landström, H.** Scientific committee of the XX RENT Conference, Brussels.

***Vang, J.***

**Vang, J.** Co-organiser of DIME workshop, Lund, April.

***3.4. Guest lectures***

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

**Asheim, B.T.** (2006) *From Regional Geography to New Regional Geography - The History of Thought of Human Geography in the 20th Century*, Department of Sociology and Human Geography, University of Oslo, September.

***Chaminade, C.***

**Chaminade, C.** (2006) *Innovation policies for clusters of SMEs in Asia*, guest lecture, Department of Economics, Erasmus University of Rotterdam, January.

**Chaminade, C.** and Coenen, L. (2006) *Globalization of Innovation and Emerging Trends in Asia*, invited lecture for Universidad Autonoma Metropolitana Unidad Xochimilco, Mexico City. Mexico, November.

**Chaminade, C.** (2006) *Globalization of Innovation*, guest lecture, ECLAC, United Nations Economic Commission for Latin America, Mexico, November.

***Coenen, L.***

Chaminade, C. and **Coenen, L.** (2006) *Globalization of Innovation and Emerging Trends in Asia*, invited lecture for Universidad Autonoma Metropolitana Unidad Xochimilco, Mexico City. Mexico, November.

**Coenen, L.** (2006) *Skånes Agro-food Platform Policy*, invited lecture for DIME Training Day: Next Generation Regional Innovation Systems, Hamar, Norway, September.

***Gabrielsson, J.***

**Gabrielsson, J.** (2006) *Boards of directors*, guest lecture in the master level course Corporate Governance, Department of Business Administration, Kristianstad University, March.

**Gabrielsson, J.** (2006) *Boards of directors in science-based spin-offs*, guest lecture in the master level course From Science to Business - concepts in biotechnology, Karolinska Institutet, April.

**Gabrielsson, J.** (2006) *Entrepreneurship and business opportunities*, guest lecture in the master level course Entrepreneurship and innovation, School of Business and Engineering, Halmstad University, September.

***Göktepe, D.***

Göktepe, D. (2006) *Innovation Systems and Regional Clusters*, developed an undergraduate course in business administration (7.5 ECTS) and gave it at LTH.

***Jacob, M.***

**Jacob, M.** (2006) *Entrepreneurial Universities and Regional Development*, guest lecture for a Master's Programme, Jönköping Business School.

***Nilsson, J.E.***

**Nilsson, J. E.** (2006) *Universitet som regional utvecklingsaktör* [The university as regional development actor], Tromsø university, April.

***Rolfstam, M.***

**Rolfstam, M.** (2006) *Innovationer – definitioner och förutsättningar* [Innovations – definitions and prerequisites], guest lecture in the course Arbetsorganisation, Department of Design Sciences, Lund university.

**Rolfstam M.** (2006) *Public Procurement of Innovations*, presentation held at Centre for Research in Strategic Purchasing and Supply (CRISPS), School of Management, University of Bath, July.

#### **4. Academic assignments during 2006**

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

**Asheim, B.T.** is the Deputy Director of The Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE). ([www.circle.lu.se](http://www.circle.lu.se))

**Asheim, B.T.** is member of the international advisory board for a Canadian 5 years research programme on 'Globalisation and Regional Innovation Systems', University of Toronto

**Asheim, B.T.** external examiner /opponent for PhD defence, University of Trondheim, May.

**Asheim, B.T.** external examiner/opponent for PhD defence, Aalborg University, August.

**Asheim, B.T.** external examiner/opponent for PhD defence, Copenhagen Business School, September.

**Asheim, B.T.** external examiner/opponent for PhD defence University of Newcastle, November.

***Edquist, C.***

**Edquist, C.** was the Director of The Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE) during 2006. ([www.circle.lu.se](http://www.circle.lu.se))

**Edquist, C.** was, during 2006, an 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.** was, during 2006, a member of the Research Committee of the KK Foundation (KK-stiftelsen), Stockholm. (KK stands for Knowledge and Competence.)

**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 Intrasoftware International S.A., Luxembourg, May – December.

***Göktepe, D.***

**Göktepe, D.** was a second marker of the Master of Arts in European Studies of Science, Society and Technology (ESST) dissertation, *The Technology Transfer Process: A Study of NTNU in Norway*, by Sigi Brorstad Borloug, University of Oslo, Norway. November.

***Hommen, L.***

**Hommen, L.** was a member of the examining committee for the PhD dissertation, *Diffusion of Innovations in the Swedish Construction Industry*, by K. Widén, Department of Construction Management, Lund Institute of Technology, October.

**Hommen, L.** was the Director of the DI/SPIRE Doctoral Programme at LTH, Lund University.

***Högselius, P.***

**Högselius, P.** was Director of Studies for the Masters Programme in Society, Science and Technology during 2006. ([www.circle.lu.se](http://www.circle.lu.se))

**Högselius, P.** was International Secretary of the European Inter-University Organization for Society, Science and Technology (ESST) during 2006 ([www.esst.eu](http://www.esst.eu))

**Högselius, P.** was member of the Robinson Prize Committee of the Society for the History of Technology during 2006.

**Högselius, P.** took part as an external expert in the OECD’s Thematic Review on Tertiary Education, Estonia case study, Tallinn, 24 September-3 October.

**Högselius, P.** was external evaluator for the establishment of a Masters Programme in Innovation Studies at the University of East London in autumn 2006.

***Jacob, M.***

**Jacob, M.** Faculty opponent for PhD thesis, or thesis entitled Universities approaching market. Intertwining scientific and entrepreneurial goals, Department of Sociology, Helsinki University Thesis awarded degree, January.

**Jacob, M.** Faculty opponent for PhD thesis, Department of Biology and Environmental Sciences, Thesis entitled Greening Earth? Science, Politics and Land Use in the Kyoto Negotiations, Kalmar Högskolan, Sweden, June

***Kander, A.***

**Kander, A.** in October 2006 appointed “docent”.

***Landström, H.***

**Landström, H.** Member of the Venture Capital Council at NUTEK

**Landström, H.** Member of board of directors, Gate2Growth

**Landström, H.** Member of board of directors, Öresund Entrepreneurship Academy.

***Rickne, A.***

**Rickne, A.** was appointed Research Director for The Dahmén Institute, from Nov. 2006.

**Rickne, A.** was invited as a Visiting Scholar at Scancor, Stanford University, USA, June – Aug 2006.

**Rickne, A.** was appointed as a Research Fellow at the Institute for Management and Innovation of Technology, IMIT.

**Rickne, A.** was the Director of Undergraduate and Masters Education at SPIRE at CIRCLE, Lund University.

**Rickne, A.** is elected member of the board of management for The International Joseph Alois Schumpeter Society, 2006-2008.

**Rickne, A.** was elected member of the board for the Department of Design Sciences, LTH, Lund University, 2005-2006.

***Rolfstam, M.***

**Rolfstam, M.** was a second marker of the Master of Arts in European Studies of Science, Society and Technology (ESST) dissertation, *Heterogeneous Learning and Knowledge Processes in the Sectorial Innovation System – The Case of Cod Farming* by Lars Ø. Eriksen, University of Oslo, Norway. November.



**Table 3. Supervision of CIRCLE PhD Students.**

| <b>Name of supervisor</b> | <b>Name of CIRCLE PhD student</b>                   |
|---------------------------|---|
| Asheim, Bjørn             | Coenen, Lars and Vang, Jan (both graduated in 2006) |
| Hommen, Leif              | Rolfstam, Max                                       |
| Landström, Hans           | Brunsnæs, Thomas                                    |
| Nilsson, Jan-Evert        | Walter, Mareile                                     |
| Rickne, Annika            | Nygaard, Stian and Szogs, Astrid                    |
| Schön, Lennart            | Malmberg, Claes                                     |
| Edquist, Charles          | Göktepe, Devrim                                     |

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

### **5. Third Mission, i.e. interaction with society, during 2006**

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

**Asheim, B.T.** Members of programme boards and evaluation committees at VINNOVA and Norwegian Research Council.

**Asheim, B.T.** Member of and rapporteur for DG Research Expert group on ‘Constructing Regional Advantage’.

**Asheim, B.T.** Member of OECD expert group mission evaluating the regional innovation system of Cantabria, Spain.

**Asheim, B.T.** Workshop participation at EU agency 'Institute for Prospective Technological Studies' (IPTS), Seville, on 'Exploration of regional aspects of R&D in Europe', September.

**Asheim, B.T.** Member of OECD mission to Cantabria, Spain to study the regional innovation system of Cantabria, Santander, Cantabria, October.

#### *Chaminade, C.*

**Chaminade, C.** Edquist, C and Gabrielsson, J. (2006) Interview for *Entré* about CIRCLE activities.

**Chaminade, C.** (2006) Interview for *Entré* about the project “Emerging Trends in Asia: from cost-based producers to global suppliers of innovation. Implications for industry growth in developed and developing countries.

#### *Coenen, L.*

**Coenen, L.,** Coordination of ‘Scandinavian clusters and regional innovation systems’ study visit for delegation of regional policy-makers from Tartarstan, Russia.

### *Edquist, C.*

Hommen, L. and **Edquist, C.** (2006), Contributors to an international consultation resulting in a policy report to the Scottish Executive on *Improving Connectivity – Improving the Effectiveness of the Scottish Innovation System*. The project was coordinated by S. Roper, P. Cooke, J. Love, N. Hewitt-Dundas, N. Clifton and J. Scott, and based at Aston University.

Hommen, L. and **Edquist, C.** (2006), 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.** During 2006 part of a research group analyzing the biomedical sectoral system of innovation in Sweden, coordinated by SNS, Stockholm

Chaminade, C., **Edquist, C** and Gabriellson, J. (2006) Interview for *Entré* about CIRCLE activities.

**Edquist, C.** Member of reference group for the projekt “Innovativa små och medelstora företag – Sveriges framtid” [Innovative small and medium-sized enterprises – the future of Sweden] VINNOVA (Swedish Governmental Agency for Innovation Systems), September – December, Stockholm.

**Edquist, C** (2006) Interview for *Entré* about announcements of CIRCLE positions.

**Edquist, C.** was during 2006 a member of the ‘Scientific Forum’ of ‘Forum för Småföretagsforskning’ [FSF; ‘Swedish Foundation for Small Business Research’].

**Edquist, C.** was during 2006 a member of Studieförbundet Näringsliv och Samhälle, SNS [The Center 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.** was, during 2006, a 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.** was, during 2006 an ‘IMIT fellow’, i.e. fellow of The Institute for the Management of Innovation and Technology (IMIT), Stockholm, Sweden. 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, during 2006, on the jury of an innovation prizes awarded by the Development Company of Lund University (LUAB) together with Öhrlings PricewaterhouseCoopers.

**Edquist, C.** Gave a talk at a conference on firm innovation strategies organised by Deloitte AB, Stockholm, April.

**Edquist, C.** Participated as an expert in the “OECD Thematic Review of Tertiary Education in Poland”, where my specific responsibility was innovation processes related to tertiary education. Poland, May 7 – 16.

***Ejermo, O.***

**Ejermo, O.** and Kander, A. (2006), *Veckans Affärer* had a theme issue (2006/17) where they used the Working Paper “The Swedish Paradox” by Olof Ejermo and Astrid Kander as a basis for their article.

**Ejermo, O.** (2006) *Veckans Affärer* (2006/06) reported on results by Olof Ejermo that indicate that Swedish patents are less cited than for any European country.

**Ejermo, O.,** Enflo, K. and Kander, A. (2006), *Offentlig forskning och utveckling och tillväxt*, Report for VINNOVA.

***Gabrielsson, J.***

Chaminade, C. Edquist, C and **Gabrielsson, J.** (2006) Interview for Entré about CIRCLE activities.

***Hommen, L.***

**Hommen, L.** and Edquist, C. (2006), Contributors to an international consultation resulting in a policy report to the Scottish Executive on *Improving Connectivity – Improving the Effectiveness of the Scottish Innovation System*. The project was coordinated by S. Roper, P. Cooke, J. Love, N. Hewitt-Dundas, N. Clifton and J. Scott, and based at Aston University.

**Hommen, L.** and Edquist, C. (2006), 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.** (2006) Kärnteknikens dubbla natur tydlig i Asien, essay published in *Svenska Dagbladet*, 10 November.

**Högselius, P.** and Kaijser, A. (2006) *När folkhemselen blev internationell. Elavregleringen i historiskt perspektiv*, presentation of research results for policymakers at the Swedish Energy Agency, Eskilstuna, June.

**Högselius, P.** (2006) *Kärnbränslehanteringens politiska mångfald: Ett historiskt och internationellt perspektiv*, presentation of research result for stakeholders in the field of spent nuclear fuel management in Sweden, Stockholm, October.

***Jacob, M.***

**Jacob, M.** Member of SNS Scientific Council.

**Jacob, M.** Member of Evaluation Panel for VINNOVA’s Key Actors Programme.

**Jacob, M.** Member of Panel in Edbergdialogen February 2006.

***Kander, A.***

**Kander, A.,** Ejermo, O. and Enflo, K. (2006), *Offentlig forskning och utveckling och tillväxt* [Public research and developmen and growth], Report for VINNOVA.

**Kander, A.** (2006) Tjänstesamhället ökar industriproduktionen [The service society increases industrial production], popular science article, *FORMAS*.

**Kander, A.,** Ejermo, O. and Schön, L. (2006) De empiriska paradoxernas upplösning: FoU och tillväxten [The dissolution of the empirical paradoxes], article submitted to *Ekonomisk debatt*, December.

***Rolfstam, M.***

**Rolfstam, M.** (2006) *Public Procurement and Innovation: a Cross-case Analysis of Sweden's and Great Britain's Innovative Public Procurement System*, presentation held at Vinnova, Stockholm, January.

**Rolfstam, M.** was consulted in the preparation of the NUTEK/ Vinnova report to the Swedish government *Offentlig upphandling som drivkraft för innovation och förnyelse*.

***Schön, L.***

**Schön, L.** Participating as expert in Confederation of Swedish Enterprise's "Future Commission".

**Schön, L.** Invited expert to comment on the Long Term Planning Report at the Ministry of Finance.

**Schön, L.** (2006) Article on the future labour market in the journal *LOOP*.

**Schön, L.** Speech at Arbetslivsinstitutet, Stockholm, January

**Schön, L.** Speech at Confederation of Swedish Enterprise, Stockholm, February

**Schön, L.** Speech at ESBRI Estrad, Stockholm, March.

**Schön, L.** Speech at Göteborgsregionens Kommunalförbund, Göteborg, May

**Schön, L.** Speech at Samhällsbyggardagen, Stockholm, May

**Schön, L.** Speech at AB Strålfors Entreprenörsdag, Ljungby, June

**Schön, L.** Speech at Regionförbundet ÖSTSAM, Norrköping, October

**Schön, L.** Speech at Symposium at Ingenjörsvetenskapsakademien, Stockhom, October

**Schön, L.** Presentation of research in Swedish television, TV4.

**Schön, L.** Presentation of research in Swedish television, TV8.

**Schön, L.** Presentation of research in Swedish television, Kunskapskanalen.

## **6. External research contacts during 2006**

### *Asheim, B.*

**Asheim, B.**, Editor of *Economic Geography*. Member editorial board of Journal of Economic Geography and European Planning Studies. Referee for several international journals.

**Asheim, B.**, Referee for Swedish Research Council, VINNOVA and Norwegian Research Council.

**Asheim, B.**, Member PhD-evaluation committees at Aalborg University, Copenhagen Business School and University of Oslo, University of Trondheim, University of Newcastle.

### *Chaminade, C.*

**Chaminade, C.** Referee for *Research Policy, Industry and Innovation* and *Review of Social Economy*.

**Chaminade, C.** Opponent at 50% PhD seminar at Stockholm Institute of Technology.

### *Coenen, L.*

**Coenen, L.**, Referee for European Planning Studies, Industry and Innovation, Journal of Entrepreneurship and Innovation Management, International Journal for Technology Management, Tillväxtpolitisk utblick [Growth policy perspective], Economic Geography & Regional Studies

### *Edquist, C.*

Kander, A., Ejermo, O., **Edquist, C.** and Schön, L, initiated in fall 2006 a new network for innovation and growth studies in Europe.

**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 international journal articles and book chapters.

Kander, A., **Ejermo, O.**, Edquist, C. and Schön, L, initiated in fall 2006 a new network for innovation and growth studies in Europe.

***Göktepe, D.***

**Göktepe, D.** Referee for *Science & Technology Policy Journal*

***Hommen, L.***

**Hommen, L.** Referee for VINNOVA.

**Hommen, L.** Reviewer for the journals *Research Policy* and *Industrial and Corporate Change*.

**Hommen, L.** Expert reviewer, *Draft Report of the Turkish National Innovation Initiative*, coordinated by Sabanci University Competitiveness Forum, Sabanci University, Tuzla, Istanbul – Turkey.

***Jacob, M.***

**Jacob, M.** Member of Editorial Board, *Science Studies*, *Social Epistemology*.

***Kander, A.***

**Kander, A.,** Network leader for LEG (Long Term Energy Growth), selected priority area of GLOBALEURONET (ESF programme) for 2007-2009.

**Kander, A.,** Ejermo, O., Edquist, C. and Schön, L, initiated in fall 2006 a new network for innovation and growth studies in Europe.

***Landstrom, H.,***

**Landstrom, H.,** Opponent on licentiat thesis, Lund University.

**Landström, H.,** Opponent on Ph D thesis at Southern Denmark University, Denmark.

**Landström, H.,** Evaluator (*sakkunnig*) full professorship in entrepreneurship at Babson College, USA.

**Landstrom, H.,** Reviewer for scientific journals such as *Academy of Management Review*, *Entrepreneurship and Regional Development*, *Venture Capital*, *Journal of Management Studies*, *Small Business Economics* and *Journal of Business Venturing*.

***Rolfstam, M.***

**Rolfstam, M.** Guest Scholar at Centre for Research in Strategic Management and Supply (CRISPS), School of Management, University of Bath, UK. Jan-July.

***Schön, L.***

Kander, A., Ejermo, O., Edquist, C. and **Schön, L,** initiated in fall 2006 a new network for innovation and growth studies in Europe.

***Vang, J.***

**Vang, J.** Referee for *Research Policy*, *Industry and Innovation* and *Geografiska Annaler*.

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

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://isi15.isiknowledge.com/portal.cgi/wos>) 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.

### ***A. 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; we have excluded working papers, discussion papers and conference 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".
5. Account manually the total number of citations by adding the numbers of 'cited by###'.

### ***B. Detailed method for the Social Science Citation index:***

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 there are more citations which tend to give higher variability and therefore precision (the results of the General Reference search have been stored for reference though). Moreover, 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 social science citation index:

1. Start at <http://portal15.isiknowledge.com/portal.cgi?DestApp=WOS&Func=Frame>
2. Science Citation Index Expanded, Social Sciences Citation Index and Arts & Humanities Citation Index should all be used (checkmark if not already chosen), make sure that the whole time span of the database is selected (default)
3. 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; we have excluded working papers, discussion papers and conference 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.

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