



## **CIRCLE Annual Report**

2004 - 2005

CIRCLE  
Center for Innovation, Research and Competence in the Learning Economy  
Lund University  
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**2004-2005 ANNUAL REPORT FOR  
CIRCLE**

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## 1. Introduction

CIRCLE (Centre for Innovation, Research and Competence in the Learning Economy) is a multidisciplinary research centre spanning several faculties at Lund University and Blekinge Institute of Technology. CIRCLE was formally established on July 1<sup>st</sup> 2004 and the second half of 2004 was a period of formation. Twelve new positions for associate professors, post-doctoral fellows (assistant professor/'forskarassistent'), and doctoral students were announced and they had all been filled by January 2005. Hence, 2005 has been the first full year of operation.

The research now being carried out at CIRCLE is 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
- 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.

A seminar series has also been started at CIRCLE. It has included several guest lecturers, e.g., Professor Poh-Kam Wong, National University of Singapore, Professor Richard Whitley, University of Manchester, Professor Edward Lorenz, University of Nice-Sophia Antipolis and Professor Bart Nooteboom, Tilburg University. CIRCLE's own research is also presented and discussed in the seminars, which is one of several ways of achieving cross-fertilization among the different research areas and disciplines represented at CIRCLE.

Another CIRCLE activity aiming at cross-disciplinary understanding is the so-called 'reading circle'. In each meeting of this group, a couple of key articles related to innovation, selected from the literature associated with one of the academic disciplines represented at CIRCLE, are discussed. These discussions help to clarify differences and similarities in relation to the other disciplines' perspectives. This activity is intended to establish a 'common language', although not necessarily a common perspective, among the different disciplines in CIRCLE.

CIRCLE has also established a homepage (<http://www.circle.lu.se>) providing information about CIRCLE, its staff and activities. To enable early external dissemination of research results, an electronic working paper series is being published on the homepage.

In addition to its research and dissemination activities, CIRCLE has initiated an ESST Master's programme in Society, Science and Technology.<sup>1</sup> The programme started in August 2005 with about 30 students from all parts of the world.

The staff during 2005 has consisted of five part-time professors, one part-time associate professor, one full-time senior lecturer, three full-time post-docs, one part-time post-doc, and 5-7 PhD students. In addition to the research staff, CIRCLE has employed a part-time director of studies for the ESST MA programme and a part-time secretary.

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<sup>1</sup> ESST is the acronym for the European Inter-university Association on Society, Science and Technology.

## 2. Publications during 2004 - 2005

This section of the report covers publications and other dissemination activities by CIRCLE staff from July 2004 to December 2005. The main categories addressed here include: external publication, texts accepted for publication, conference participation, academic assignments, and interaction with society.

### 2.1. External publications

(CIRCLE authors in bold)

#### 2.1.1. Journal articles and book chapters

**Asheim, B.** (2004), SME innovation policy and the formation of regional networked innovation systems, in Potter, J. (ed.), *Global knowledge flows and economic development*. OECD, Paris.

**Asheim, B.** (2004), From clusters to projects: Spatial embeddedness and disembeddedness of learning and knowledge creation in the globalizing economy, in Karlsson, C. et al. (eds.), *Knowledge Spillovers and Knowledge Management*. Edward Elgar, Cheltenham.

**Asheim, B.** and Herstad, S. (2004), Regional innovation systems, varieties of capitalism and non-local relations: Challenges from the globalising economy, in Boschma, R. and Kloosterman, R. (eds.), *Learning from Clusters. A critical assessment*. Springer Verlag, Heidelberg.

**Asheim, B.** and Clark, E. (2004), Kulturgeografi och ekonomisk geografi, in Brante, T., Johansson, K. and Sunesson, S. (eds.) *Diskussioner om samhällsvetenskap*, Lund University, Faculty of Social Sciences.

**Asheim, B.** and Coenen, L. (2005), Knowledge bases and regional innovation systems: Comparing Nordic clusters, *Research Policy*, 34: 1173-1190.

**Asheim, B.** and Gertler, M. (2005), The Geography of Innovation: Regional Innovation Systems, in Fagerberg, J., Mowery D. and Nelson R. (eds.), *The Oxford Handbook of Innovation*, Oxford University Press.

**Asheim, B.** (2005), Kluster, regionala innovationssystem och lärande regioner. En syntetiserande översikt, in Benner, M. (ed.), *Innovationer. Dynamik och förnyelse i ekonomi och samhällsliv*, Lund, Studentlitteratur.

**Benner, M.** (2004), Catching Up In Pharmaceuticals: Government Policies and the Rise of Genomics, *Australian Health Review*, 28 (2): 161-170.

**Benner, M.** (2005), En ny aktör söker sin roll – stiftelserna genom det tidiga 1990-talet, in Sörlin, S. (ed.), *"I den absoluta frontlinjen". En bok om forskningsstiftelserna, konkurrenskraften och politikens möjligheter*, Nora, Nya Doxa.

**Benner, M.** (2005), Starkare forskningsmiljöer?, in Sörlin, S. (ed.), *"I den absoluta*

*frontlinjen*". En bok om forskningsstiftelserna, konkurrenskraften och politikens möjligheter, Nora, Nya Doxa.

**Benner, M.** (2005), Ett nytt samtal? – stiftelsernas nästa årtionde", in Sörlin, S. (ed.), "*I den absoluta frontlinjen*". En bok om forskningsstiftelserna, konkurrenskraften och politikens möjligheter, Nora, Nya Doxa.

Svensson Henning, M., Kalsø Hansen, H., **Coenen, L.**, Mohamed-Mahmood, Y., Moodysson, J., Nilsson, M., **Vang Lauridsen, J.** (2005), Manufacturing Culture, The Institutional Geography of Industrial Practice by Meric S. Gertler, *European Planning Studies*, 13(5): 801-803 (Book review).

**Coenen, L.**, Moodysson, J., **Asheim, B.** (2004), Nodes, Networks and Proximities: On the Knowledge Dynamics of the Medicon Valley Biotech Cluster, *European Planning Studies*, 12(7): 1003-1018.

**Coenen, L.** (2005), Chapters 3 and 4: Comparative analysis of sectoral innovation patterns in Nordic Countries in Mariussen, Å. (ed.) *From Regional Development Coalitions to Commercial Innovations*, Nordregio Report 2005:3, Stockholm.

**Edquist, C.** (2005), Systems of Innovation – Perspectives and Challenges, in Fagerberg, J., Mowery, D., and Nelson, R. (eds.) *Oxford Handbook of Innovation*, Oxford University Press.

**Edquist, C.** (2005), Final Remarks: reflections on the Systems of Innovation Approach, in *Science and Public Policy*, December.

**Edquist, C.**, Doloreux, D. and Hommen L.(2004), Nordic Regional Innovation Systems: An Analysis of the Region of East Gothia, Sweden, *Canadian Journal of Regional Science*, 27 (4):431 - 457.

**Edquist, C.**(2004), The Fixed Internet and Mobile Telecommunications Sectoral System of Innovation: Equipment Production, Access Provision and Content Provision, in Malerba, F. (ed.) *Sectoral Systems of Innovation in Europe – Concepts, Issues and Analyses of Six Major Sectors in Europe*, Cambridge University Press.

**Edquist, C.**, Malerba, F., Metcalfe, S., Montobbio, F., and Steinmueller, E.(2004), Sectoral Systems: Implications for European Innovation Policy, in Malerba, F. (ed.) *Sectoral Systems of Innovation in Europe – Concepts, Issues and Analyses of Six Major Sectors in Europe*, Cambridge University Press.

**Edquist, C.** (2004), Innovationssystem och Innovationspolitik in Berg, P-O, Bonnier, T. and Öhrvall Rönnbäck, A. (eds.) *Svensk innovationskraft – Visionen måste vara starkare än motståndet*, Forum for Innovation Management, Stockholm.

**Ejermo, O.** (2005), Technological Diversity and Jacobs's Externality Hypothesis Revisited, *Growth and Change*, 36 (2):167-195.

**Gabrielsson, J.** and Huse, M. (2005), "Outside" directors in SME boards: a call for theoretical reflections, *Corporate board: roles, duties & composition*, 1(1): 28-37.

Huse, M. and **Gabrielsson, J.** (2005), Preface: Perspectives on boards and governance from Europe - contingency, behavioural and evolutionary, *International Studies in Management and Organization*, 34(2): 3-10.

**Gabrielsson, J.** and Huse, M. (2005), Context, behavior and evolution - challenges in research on boards and governance, *International Studies in Management and Organization*, 34(2): 11-36.

Huse, M. Neubaum, D. and **Gabrielsson, J.** (2005), Corporate innovation and competitive environment, *International Entrepreneurship and Management Journal*, 1(3): 313-333.

Hellström, T and **Jacob, M.** (2005), Taming Unruly Science and Saving National Competitiveness: Discourses on Science by Sweden's Strategic Research Bodies, *Science, Technology and Human Values*, 30: 443-467.

**Jacob, M.** (2005), Boundary Work in Contemporary Science Policy: A Review, *Prometheus*, 23(2): 195-207.

Linnér, B-O and **Jacob, M.** (2005), From Stockholm to Kyoto and Beyond: A Review of the Globalization of Global Warming Policy and North-South Relations, *Globalizations* 2(3):1-12.

Johansson, M., **Jacob, M.** and Hellström, T. (2005), The Strength of Strong Ties: Academic Spin Offs in Sweden's Universities, *Journal of Technology Transfer*, 30: 271-286.

**Kander, A.** (2005), Baumol's Disease and Dematerialization of the Economy, *Ecological Economics* 55:119-130.

Parhankangas, A., **Landström, H.**, Smith, G. (2005), Experience, Contractual Covenants and Venture Capitalists' Responses to Unmet Expectations, *Venture Capital*, 7(4):297-318.

**Landström, H.** (2005), Entreprenörer inom entreprenörskapsforskningen, in Christensen, P.R. and Poulfelt, F. (eds.) *Mod entreprenurielle ledelsesformer*, Köpenhamn: Forlaget Samfundslitteratur.

Parhankangas, A., **Landström, H.** and Smith, D.G. (2005), Experience, Contractual Covenants, and Venture Capitalists' Responses to Unmet Expectations, in Zahra, S.A., Brush, C.G., Davidsson, P., Fiet, J., Green P.G., Harrison, R.T., Lerner, M., Mason, C., Meyer, G.D., Sohl, J. and Zacharakis, A., *Frontiers of Entrepreneurship Research 2004*, Wellesley, MA, Babson College.

**Nilsson, J-E.** (2004), Innovation Policy as an Alternative to Institutional Change, in *New Northern Knowledge, Structural Change in Europe 3*. Hagbarth Publications, Bollschweil.

**Nilsson, J-E.** (2004), Tillväxtpolitik som alternativ till tillväxt, in *Tio tankar om tillväxt*, Svenska Kommunförbundet and Landstingsförbundet, Stockholm

**Nilsson, J-E.** (2004), Innovationssystemet och den industriella basen, in *Svensk innovationskraft, Visionen måste vara starkare än motståndet*, Forum för innovations management, Stockholm

**Nilsson, J-E.** (2005), Entrepreneurial Regions in a Conservative World - How History Influences Economic Development, in *New Northern Knowledge, Structural Change in Europe 4*, Hagbarth Publications, Bollschweil.

**Schön, L.** (2005), Capital Supply in Swedish Modernisation, in Jerneck, M. et al., *Different Paths to Modernity. A Nordic and Spanish Perspective*, Lund, Nordic Academic Press.

**Schön, L.** (2005), Lissabonstrategin i ett historiskt perspektiv, in Gustavsson, S. et.al., *Lissabonstrategin i halvtid. Europaperspektiv 2005*, Stockholm, Santérus förlag.

**Schön, L.** et al. (2005), Regional Wages in Industry and Labour Market Integration in Sweden 1861-1913, *The Scandinavian Economic History Review* Vol. LIII (3):71-84.

**Schön, L.** (2005), Arbetsmarknaden i historiskt perspektiv, in Olofsson, J. (ed.) *Den tredje arbetslinjen*, Arena förlag, Stockholm.

**Schön, L.** (2005), Framtiden sedd med historiens ögon, in *Teknisk Framsyn. Perspektiv på teknikens omvärld*. Institutet för framtidsstudier. Stockholm.

**Vang Lauridsen, J.**, Zellner, C. (2005), Introduction: Innovation in Services, *Industry and Innovation*, 12(2):147-152.

Mahnke, V., Overby, M.L. **Vang Lauridsen, J.** (2005), Strategic IT Outsourcing: Theoretical Stocktaking and Empirical Challenges, *Industry and Innovation*, 12(2):205-253.

### 2.1.2. Books and booklets

**Högselius, P.** (2005), *The Dynamics of Innovation in Eastern Europe: Lessons from Estonia*, Cheltenham, UK and Northampton, MA, USA, Edward Elgar Publishing.

**Högselius, P.** (2005), *Die deutsch-deutsche Geschichte des Kernkraftwerkes Greifswald. Atomenergie zwischen Ost und West*, Berlin, Berliner Wissenschafts-Verlag.

**Landström, H.**, (2005), *Pioneers in Entrepreneurship and Small Business Research*, New York, Springer.

**Landström, H.**, (2005), *Entreprenörskapets rötter*, Lund, Studentlitteratur. (3rd revised edition).

## 2.2. Texts accepted for publication during 2005

### 2.2.1. Journal articles and book chapters

**Asheim, B.** et al. (2006), *Constructing Regional Advantage: Principles – Perspectives – Policies*, Final report from DG Research Expert Group on ‘Constructing Regional Advantage’. DG Research, European Commission, Brussels (forthcoming).

**Asheim, B.** (2006), Learning firms in learning regions: Innovation, Cooperation and Social Capital, in Taylor, M. (ed.), *The Firm in Economic Geography*, Oxford University Press, Oxford (forthcoming).

**Asheim, B.** (2006), 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, forthcoming.

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

**Asheim, B. and Vang Lauridsen, J.** (2006), Regional Systems of Innovation in Asian Countries: A new way of exploiting the benefits of transnational corporations. *The Journal of Innovation Management, Practice and Policy*, forthcoming.

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

**Asheim, B. and Vang Lauridsen, J.** (2006), Regions, Absorptive Capacity and Strategic Coupling with High-Tech TNC's: Lessons from India and China Joint, forthcoming in special issue of *Science Technology & Society*.

Coca, A. and **Chaminade, C.** (forthcoming), Transformaciones organizativas, gestión del conocimiento e intangibles en Unión Fenosa, *Revista Información Comercial Española*.

**Chaminade, C.** and Johansson, U. (forthcoming), Impacto de la cultura nacional en empresas intensivas en conocimiento, *Revista Información Comercial Española*. (Reprint in Spanish of article published in International Journal of Intellectual Capital)

**Chaminade, C. and Vang Lauridsen, J.** (forthcoming), Innovation Policies for Asian SMEs: an innovation system perspective, in Yeung, H. W.-C. (ed.) *Handbook of Research on Asian Business*, Edward Elgar.

**Chaminade, C. and Edquist, C.** (forthcoming), From theory to practice. The use of the systems of innovation approach in innovation policy, in Hage, J. and de Meeus (eds.) *Innovation, Learning and Institutions*, Oxford University Press.

**Chaminade, C. and Edquist, C.** (2006), Innovation Policy: Enhancing Product and Process Innovation in a Systems of Innovation Perspective, in Hage, J., and Meeus, M.T.H. (eds.) *Innovation, Learning and Institutions*, Oxford University Press, forthcoming.



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

**Coenen, L.** (forthcoming), Remaking the Global Economy by Jamie Peck and Henry Wai-chung Yeung (eds.) *European Urban and Regional Studies* (Book review).

**Edquist, C.** and Meeus, M.T.H. (2006), Introduction to Part I: Industrial Innovation - new products and processes, in Hage, J., and Meeus, M.T.H. (eds.), *Innovation, Learning and Institutions*, Oxford University Press, forthcoming.

**Edquist, C.** and Hommen, L.(2006), Introduction: Comparing Ten small National Systems of Innovation in Asia and Europe, in Edquist, C. and Hommen, L. (eds.) *Small Economy Innovation Systems: Comparing Globalisation, Change and Policy in Asia and Europe*, Edward Elgar Publishing, forthcoming.

Bitard, P., **Edquist, C.**, Hommen, L., and Rickne, A.(2006), The Swedish Innovation System, in Edquist, C. and Hommen, L. (eds.) *Small Economy Innovation Systems: Comparing Globalisation, Change and Policy in Asia and Europe*, Edward Elgar Publishing, forthcoming.

**Edquist, C.** and Hommen, L.(2006), Conclusions: Globalisation, Performance and Policy, in Edquist, C. and Hommen, L. (eds.) *Small Economy Innovation Systems: Comparing Globalisation, Change and Policy in Asia and Europe*, Edward Elgar Publishing, forthcoming.

**Edquist, C.** and Meeus, M.T.H.(2006), Introduction to Part I: Industrial Innovation - new products and processes, in Hage, J., and Meeus, M. (eds.) *Innovation, Learning and Institutions*, Oxford University Press, forthcoming.

**Edquist, C.** and **Chaminade C.** (2006), Industrial Policy from a Systems of Innovation Perspective, report written for the European Investment Bank (EIB) and to be published in *EIB Papers*, forthcoming.

**Edquist, C.** and **Chaminade, C.** (2006), Rationales for Public Policy Intervention in the Innovation Process, in Smits, R., Kuhlman, S. and Shapira, S. (eds.) *The Co-Evolution of Innovation Policy – Innovation Policy Dynamics, Systems and Governance*, Edward Elgar Publishing, forthcoming.

**Edquist, C.** and **Chaminade, C.**, (2006), Innovation Policy: Enhancing Product and Process Innovation in a Systems of Innovation Perspective, in Hage, J., and Meeus, M. (eds.) *Innovation, Learning and Institutions*, Oxford University Press, forthcoming.

Andersson, M. and **Ejermo, O.** (2006), How does Accessibility to Knowledge Sources Affect the Innovativeness of Corporations? Evidence from Sweden, *Annals of Regional Science*, 39 (4):741-765.

**Högselius, P.** (2006), Connecting East and West: Electricity Systems in the Baltic Region, in Kaijser, A. and Vleuten, E. van der (eds), *Networking Europe*, Cambridge, UK, Science History Publications (forthcoming).

**Högselius, P.** (2006), The Dynamics of Innovation in Post-Communist Countries: Opportunities and Challenges, in Sergi, B. & Bagatelas, W. (eds) *Trade and Industry Developments in Central and Eastern Europe*, Aldershot: Ashgate (forthcoming).

**Jacob, M.** (forthcoming), Re-norming the Science–Society Relation, *Tertiary Education and Management*, (Available as preprint at <http://journals.kluweronline.com>)

**Jacob, M.** (2006), Utilization of social science knowledge in science policy: Systems of Innovation and Triple Helix, *Social Science Information*.

**Kander, A.**, Lindmark, M. (forthcoming), Foreign trade and declining pollution in Sweden: A decomposition analysis of long-term structural and technological effects, in press for *Energy Policy*, corrected proof available online 22 Jan 2005.

**Kander, A.** (forthcoming), Agriculture and Swedish greenhouse gases over 200 years, *Economic History Review*.

Manigart, S., Lockett, A., Meuleman, M., Wright, M., **Landström, H.**, Bruining, H., Desbrières, P. and Hommel, U., (2006), Venture Capitalists' Decision to Syndicate, *ETP*.

Manigart S., Collewaert V., Wright M., Pruthi S., Lockett A., Bruining H., Hommel U. and **Landström H.** (2006), Human capital and the internationalisation decision of venture capital firms, *International Entrepreneurship and Management Journal*.

Cornelius, B., **Landström, H.** and Persson, O. (2006), Entrepreneurial Studies – the dynamic research front of a developing social science, *Entrepreneurship Theory and Practice*.

Parhankangas, A. and **Landström, H.** (2006), How venture capitalists respond to unmet expectations: The role of social environment, *Journal of Business Venturing*.

Månsson, N. and **Landström, H.** (2006), Business Angels' Investment Preferences. Early-Stage Investors – Are They Different?, in Christensen, P.R. and Poulfelt, F., *Managing Complexity and Change in SMEs: Frontiers in European Research 2005*, Edward Elgar, Cheltenham, UK.

**Nilsson, J-E.** (2006), Sweden - 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*, London, Ashgate Publishing.

**Schön, L.** (forthcoming), Swedish Industrialization and the Heckscher-Ohlin Theorem, in Findlay, R. et al. (ed) *Eli Heckscher, International Trade and Economic History*, Cambridge Mass, MIT Press.

**Vang Lauridsen, J.** (2006), Regional Systems of Innovation in Asian Countries: A New Way of Exploiting the Benefits of Transnational Corporations, forthcoming in special issue of the journal *IMPP*.

**Walter, M.** (2006), Problems of Urban Planning in Warsaw, in Altrock, U. et. al. (eds.) *Spatial Planning and Urban Development in the New EU Member States*, Ashgate, forthcoming.

### 2.2.2. Books and booklets

**Asheim, B.**, Cooke, P. and Martin R. (eds.) (2006), *Clusters and Regional Development*, London, Routledge (forthcoming).

**Edquist, C.** and Hommen, L. (eds.) (2006), *Small Economy Innovation Systems: Comparing Globalisation, Change and Policy in Asia and Europe*, Edward Elgar Publishing, forthcoming.

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

**Nilson, J-E.** (ed.) (2006), *The Role of Universities in Regional Innovation System – A Nordic Perspective*, Copenhagen Business School Press.

Lundvall, B-Å., Intarakumnerd, P., **Vang Lauridsen, J.** (eds.) (2006), *Asia's innovation systems in transition*, Edward Elgar.

## 2.3 Working papers

### 2.3.1 CIRCLE Working Paper Series

**Asheim, B.**, **Coenen, L.**, Moodysson, J. and **Vang Lauridsen, J.** (2005), *Regional Innovation System Policy: a Knowledge-based Approach*, WP 2005/13.

**Asheim, B.** and **Vang Lauridsen, J.** (2005), *Talents and Innovative Regions: Exploring the Importance of Face-to-Face, Communication and Buzz*, WP 2005/14.

**Asheim, B.** and **Coenen, L.** (2005), *The Role of Regional Innovation Systems in a Globalising Economy: Comparing Knowledge Bases and Institutional Frameworks in Nordic Clusters*, WP 2005/03.

**Asheim, B.** and **Coenen, L.** (2005), *Contextualizing Regional Innovation Systems in a Globalizing Learning Economy: On Knowledge Bases and Institutional Frameworks*, WP 2005/05.

**Chaminade, C.** and **Edquist, C.** (2005), *From Theory to Practice: The Use of the Systems of Innovation Approach for Innovation Policy*, WP 2005/02.

**Chaminade, C.** and **Vang Lauridsen, J.** (2005), *Innovation Policies for Asian SMEs: An Innovation Systems Perspective*, WP 2005/06.

**Coenen, L. and Asheim, B.** (2005), *Constructing Regional Advantage at the Northern Edge*, WP 2005/01.

**Coenen, L., Moodysson, J., Ryan, C., Asheim, B. and Phillips, P.** (2005), *Knowledge Bases and Spatial Patterns of Collaboration: Comparing the Pharma and Agro-Food Bioregions Scania and Saskatoon*, WP 2005/12.

**Ejermo, O. and Karlsson, C.** (2005), *Interregional Inventor Networks as Studied by Patent Co-inventorships*, WP 2005/11.

Huse, M., **Gabrielsson, J.** and Minichilli, A. (2005), *Knowledge and accountability: Outside directors' contribution in the corporate value chain*, WP 2005/09.

**Malmberg, C.** (2005), *Trademark Statistics as Innovation Indicators? – A Micro Study*, WP 2005/17.

**Vang Lauridsen, J.** (2005), *Rethinking the Spatial Organization of Creative Industries*, WP 2005/10.

Kalsø Hansen, H., **Vang Lauridsen, J., Asheim, B.** (2005), *The Creative Class and Regional Growth: Towards a Knowledge Based Approach*, WP 2005/15.

### 2.3.2 Other

**Edquist, C., Hafkamp, W., Eijsackers, H., Lafferty, W., Nilsson, L. and de Blok, J.-W.** (2004), *Quality Assessment of the Copernicus Institute for Sustainable Development and Innovation at Utrecht University*, September.

Politis, D. and **Gabrielsson, J.** (2005), *Exploring the role of experience in the process of entrepreneurial learning*, Lund Institute of Economic Research Working Paper Series, 2005/1, Lund University.

## 3. Conferences during 2004-2005

### 3.1. Participation with presentation of paper

**Asheim, B., Vang Lauridsen J.** (2004), *What can Regional Systems of Innovation and Learning Regions Offer Developing Regions?*, paper presented at Globelics Conference, Beijing, October.

**Asheim, B. and Vang Lauridsen, J.** (2005), *Talents and Innovative Regions: Exploring the Importance of Face-to-Face Communication and Buzz*, presented at Royal Geographical Society/Institute of British Geographers Annual conference, London, September.

**Asheim, B.** (2005), Invited panel speaker and session organiser at AAG (Association of American Geographers) Annual Meeting, Denver, April

**Asheim, B.** (2005), Invited panel speaker at Royal Geographical Society/Institute of British Geographers Annual conference, London, September.

**Asheim, B.** (2005), *Social Capital, Human Capital and Creative Capital: What matters for Innovative Regions*, invited key note lecture at Congress organised by Research Programme on Social Capital and Networks of Trust, Agora Center, University of Jyväskylä, March.

**Asheim, B.** (2005), *Learning and innovation in a globalising economy: The role of learning regions*, invited paper presentation at workshop on 'Learning together for local innovation: promoting learning regions', CEDEFOP, Thessaloniki, April.

**Asheim, B.** (2005), *The Urban Turn: From regional clusters to creative cities*, invited presentation at Session IV 'From Creative Clusters to Creative Cities', Innovation Systems Research Network Seventh Annual Meeting, Toronto, May.

**Asheim, B.** (2005), *Cluster theory evidence: What remains of the concept – some reflections*, invited presentation at Session IX, Innovation System Research Network Seventh Annual Meeting, Toronto, May.

**Asheim, B.** (2005), *Constructing regional innovation systems: a strategy for upgrading industrial districts in a globalising knowledge economy*, invited key note speaker at International workshop on 'Innovation and proximity', Faculty of Economics, University of Pavia, May.

**Asheim, B.** (2005), *Constructing regional innovation systems: a conceptual framework*, invited key note speaker at International workshop on 'Regional Innovation Systems: New Drivers for Economic Development in Latin America', Bocconi University, Milan, May.

**Asheim, B.** (2005), *Constructing regional innovation systems: a conceptual framework*, invited key note speaker at International seminar on 'Innovation Systems: A regional perspective'. Institute for Industrial and Financial Analysis, Faculty of Economics and Business Administration, University Complutense of Madrid, June.

**Asheim, B.** (2005), *Constructing Regional Advantage: Talents, Knowledge Bases and RIS*, keynote address at ERA SPACES workshop on 'Unpacking geographical spaces in research and innovation in Europe', Bilbao, October.

**Asheim, B.** (2005), *IPR in innovation systems*, invited speaker at workshop on 'The role of IPR in biotechnology innovation', European University Institute, Florence, October.

**Asheim, B.** (2005), *Constructing Regional Advantage: Knowledge Bases and Regional Innovation Systems*, invited presentation at Sweden-Japan innovation seminar, University of Tokyo, November.

**Chaminade, C.** (2005), *Transformación y nuevas competencias innovadoras en sectores tradicionales: uso de la gestión del capital intelectual para el desarrollo de nuevas competencias en el sector eléctrico español*, paper presented at XI Latin-American Seminar on Technology Management: Knowledge, Innovation and Competitiveness, Salvador de Bahia Brazil, October.

**Chaminade, C.** (2005), *Capacidades organizativas endógenas, gestión del conocimiento e innovación: el caso de Unión Fenosa*, paper presented at XI Latin-American Seminar on

Technology Management: Knowledge, Innovation and Competitiveness, Salvador de Bahia Brazil, October.

**Coenen, L.** and **Asheim, B.** (2005), *Constructing Regional Advantage at the Northern Edge*, The 5th Triple Helix Conference: the Capitalization of Knowledge, Turin, June.

**Coenen, L.**, Moodysson, J. and **Asheim, B.** (2005), *Knowledge bases and spatial patterns of collaboration: comparing the pharma and agro-food bioregions Scania and Saskatoon*, presented at “Bringing Science to Life” conference held at the Rotmans Business School at the University of Toronto, May. (Invited speaker)

**Coenen, L.**, Moodysson, J. and **Asheim, B.** (2005), *Knowledge Bases and Spatial Patterns of Collaboration: Comparing the Pharma and Agro-food Bioregions Scania and Saskatoon*, AAG (Association of American Geographers) Annual Meeting, Denver, April.

**Coenen, L.** (2005), *Innovation potential evaluation of SMEs: The European perspective and MARTE project*, workshop at the University of Brescia, Italy, Nordic SMEs and Regional Innovation Systems. (Invited speaker)

**Edquist, C.** (2004), *The Systemic Nature of Innovation – Causes and Implications*, presented at the conference “Research, Innovation and Economic Performance – What do we Know and Where are We Heading?” organised by the European Commission, the Centre for Technology, Innovation and Culture of the University of Oslo, and Oxford University Press to mark the launch of the *Oxford Handbook of Innovation*, Brussels, October.

**Ejermo, O.** and **Kander, A.** (2005), *R&D, innovation and growth – a survey of research issues*, The 8th Uddevalla Symposium, "Innovations and Entrepreneurship in Functional Regions", Uddevalla, September.

**Gabrielsson, J.** and Politis, D. (2005), *Prediction or control? Exploring the influence of career experience and career motives on entrepreneurial decision making*, paper presented at RENT XIX - Research in entrepreneurship and small business conference, Naples. (Received the Best Paper Award)

**Gabrielsson, J.**, **Landström, H.** and **Brunsnæs, T.** (2005), *A knowledge based categorization of research based new venture creation*, paper presented at RENT XIX - Research in entrepreneurship and small business conference, Naples.

Politis, D. and **Gabrielsson, J.** (2005), *Informal investors and the entrepreneurial process: An empirical study of opportunity, motivation and ability*, paper presented at the 4<sup>th</sup> EURAM Annual Conference, Munich.

**Högselius, P.** (2005), *The Dynamics of Innovation in Eastern Europe: Lessons from Estonia*, invited presentation of the book with the same title, PRAXIS seminar on Technology Transfer and Innovation: General Evidence and the Case of Estonia, Tallinn, October.

**Högselius, P.** (2005), *History as a Creative Force in Post-Socialist Systems of Innovation – The Underestimated Role of Inherited Competencies*, paper presented at the 8th International Conference on Technology Policy and Innovation, Lodz, July.

**Högselius, P.** (2005), *The Dynamics of Innovation in Eastern Europe: Opportunities and Challenges*, paper presented at the DRUID Summer Conference, Copenhagen, June.

**Jacob, M.** (2005), *Entrepreneurial Transformations in Swedish Universities*, The 5th Triple Helix Conference: the Capitalization of Knowledge, Turin.

**Jacob, M.** (2005), *The Multiversity: Possible Futures for the Swedish University*, keynote lecture to Conference Högskolor och Samhälle i Samverkan (HSS05), Östersund, April.

**Jacob, M.** (2005), *Commodification of Science as a governance instrument*, keynote lecture at Winter Workshop on Science, Democracy and Economics, University of Madrid, May.

**Kander, A. and Schön L.** (2005), *The energy-capital relation, Sweden 1870-2000*, paper presented at a conference in Istanbul, September. (under review for *Structural Change and Economic Dynamics*)

**Kander, A., Gales, B., Malanima, P. and Rubio, M.** (2005), *Energy consumption in Europe over the long run. A comparative approach*, conference paper presented in both Warwick and Evora during the autumn 2005.

**Landström, H.** (2005), Presentation at Innovation Dynamics, Copenhagen, January.

**Landström, H.** (2005), Presentation at workshop on 'Etnicitet och företagande', Norrköping, March.

**Landström, H.** (2005), Keynote speech at The Arena of Informal Capital, Brussels, April.

**Landström, H.** (2005), Presentation at Babson Conference, Boston, June.

**Landström, H.** (2005), *A history of Entrepreneurship Research-the contribution of some pioneers*, key-note speech at RENT Conference, Naples, November.

**Schön, L.** (2005), *Technological shifts and long run growth in a European regional perspective 1870-2000*, paper presented at the Inaugural Nordic Geographers Meeting: Power over Time-Space, Lund, May.

**Vang Lauridsen, J.** (2005), *Rethinking the spatial organization of creative industries*, paper presented at NGM, May. (Resubmitted to Geoforum)

### **3.2. Participation**

**Asheim, B.** Invited participant at workshop on 'Theories of transformation: On evolution, learning and institutional change' in honour of professor Bart Nooteboom, Erasmus University, Rotterdam, November 2004.

**Chaminade, C., Ejermo, O., Kander, A.,** DRUID 10th anniversary summer conference, at Copenhagen Business School (CBS), Copenhagen, June 2005.

**Edquist, C.,** EU Innovation Policies, Discussant, Brussels, April 2005.

**Edquist, C.** Dynamic Innovation Systems in the Nordic Countries, Panellist, Stockholm, December 2005.

**Landström, H.**, ICSB World Conference, Washington D.C., June 2005.

**Landström, H.**, Academy of Management, Hawaii, August 2005.

**Landström, H.**, Gate2Growth, Barcelona, September 2005.

**Landström, H.**, FSF International Seminar, Särö, September 2005.

**Walter, M.**, Inaugural Nordic Geographers Meeting, Lund, May 2005.

### ***3.3. Arrangement of conferences***

**Asheim, B.**, Session organiser, the Inaugural Nordic Geographers Meeting, Lund, May 2005.

**Asheim, B.**, Organiser of (Swedish) National Doctoral Course in Economic Geography, Lund, May/June/August 2005.

**Asheim, B.**, (2005), Organiser of Workshop F06 on ‘Creative Environments – European Cities and ‘The Creative Class’’, The 6<sup>th</sup> European Biennial of Towns and Town Planners in Europe, Malmö, June 2005.

**Coenen, L.**, the Inaugural Nordic Geographers Meeting held in Lund, May 2005.

**Edquist, C.**, The Fourth Workshop of the Project Comparing the National Systems of Innovation in Ten Small Countries in Europe and Asia, Lund, September 2004.

**Edquist, C.**, The Fifth Conference within the project comparing the national innovations systems of ten small countries in Asia and Europe, coordinated by Charles Edquist, Seoul, March 2005.

**Jacob, M.**, Member of the Organising Committee for the 5<sup>th</sup> Triple Helix Conference, Turin, 2005.

### ***3.4 Guest lectures***

**Asheim, B.** (2005), *Talents, knowledge bases and innovative regions: Exploring the importance of face-to-face communication and buzz*, guest lecture, Department of Economics, University of Padua, March.

**Asheim, B.** (2005), Guest lectures, Master Programme, Karlstad University, April.

**Asheim, B.** (2005), *Constructing Regional Advantage: Talents, Knowledge Bases and RIS*, guest lecture, Oslo School of Management, October.



#### 4. Academic assignments

**Asheim, B.** was the Deputy Director of The Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE) during 2004-2005. ([www.circle.lu.se](http://www.circle.lu.se))

**Edquist, C.** was the Director of The Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE) during 2004-2005. ([www.circle.lu.se](http://www.circle.lu.se))

**Edquist, C.** was during 2004 a member of the Research Committee of the KK Foundation (KK-stiftelsen), Stockholm. (KK stands for Knowledge and Competence.)

**Edquist, C.** served as a member of the Scientific Committee of the PRIME Network of Excellence during 2005. PRIME stands for Policies for Research and Innovation in the Move towards the European Research Area and is funded by the EU. ([www.prime-noe.org](http://www.prime-noe.org)).

**Edquist, C.** was during 2005 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”.

**Table 1. Supervision of CIRCLE PhD Students.**

Name of supervisor	Name of CIRCLE PhD student
Asheim, Bjørn	Coenen, Lars, Jan Vang-Lauridsen
Landström, Hans	Brunsnæs, Thomas
Nilsson, Jan-Evert	Walter, Mareile, Selander, Sten
Schön, Lennart	Malmberg, Claes

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

#### 5. The 'third task', i.e. interaction with society during 2004 - 2005

**Asheim, B.T., Coenen, L., Moodysson, J.** (2005), *Medicon Valley – Lessons and Inspiration from a Globally Competitive Bioregion*, 'Good practice' report for Step Ricerche Srl, Turin, commissioned by the Chambers of Commerce of Turin, Milan and Genua, July.

**Asheim, B.** (2005), *Learning and institutional change in regional innovation systems – the Nordic experience*, invited key note speaker at Conference on 'Politiche dell'innovazione e sistemi territoriale innovativi imparare dai leader', Fondazione CRT/Centra de Ricerca e Documentazione 'Luigi Einaudi', Turin, April.

**Asheim, B.** (2005), Organiser of workshop at the 6th European Biennial of Towns and Town Planners, Malmö, June, (see above).

**Asheim, B., Coenen, L.** and Moodysson, J. (2005), *Comparative perspectives on Nordic and Canadian bioregions: Innovation policy, knowledge bases and clusters*, invited presentation at seminar for the Ontario Ministry of Economic Development and Trade, Toronto, May.

**Asheim, B.** (2005), *Creative Environments – European Cities and 'The Creative Class'*, invited presentation for the Town planning department, Malmö municipality, October.

**Asheim, B.** (2005), *Hva er en kunnskapsøkonomi*, invited key note speaker at seminar on 'Kunnskapsøkonomien på Agder', Agderforskning/HiA/Senter for Innovasjon og arbeidsliv, Grimstad, December.

**Asheim, B.** (2005), Participant on 'Swedish Innovation Studies Mission to Japan', organised by VINNOVA and ITPS, November.

**Asheim, B.** (2005), Member and rapporteur in DG Research Expert Group on 'Constructing Regional Advantage', EU, Brussels.

**Asheim, B.** Member of two program committees of VINNOVA ('Learning and sustainable working life' and 'VINNEX Center').

**Asheim, B.** Member of steering committee of the research programme 'Value Creation 2010', Norwegian Research Council .

**Chaminade, C., Gabrielsson, J., Edquist, C.** (2005), Interview for *Entré Forskning om entreprenörskap och småföretag*, issue 3, 2005.

**Chaminade, C.** (2005), *Social Capital and Innovation*, seminar given at Mälardalens Högskola, September.

**Edquist, C.** was a member of the 'Scientific Forum' of 'Forum för Småföretagsforskning' (FSF; 'Swedish Foundation for Small Business Research').

**Edquist, C.** was 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 2005 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 2004 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 2005 on the boards/juries of two innovation prizes: Venture Cup Syd and the innovation price awarded by the Development Company of Lund University (LUAB) together with Öhrlings PricewaterhouseCoopers.

**Edquist, C.** is from 2005 a member of the Board of the Investment Committee of The Development Company of Lund University (LUAB). It has the role of evaluating proposals to LUAB from new innovative firms that need seed capital funding.

**Ejermo, O.** (2005), Invited speaker at the Centennial celebration of the founding of Trelleborg AB held in Värnamo, October.

**Ejermo, O.** (2005), Invited speaker at the Workshop “Entrepreneurship, Innovation and the Development of Regions”, Hosted by the Center for Innovation, Technology and Policy Research/IN+, Instituto Superior Técnico, Technical University of Lisbon, Lisbon, April.

**Gabrielsson, J.** (2005), Presentation for Styrelseakademien Halland about research on how to organize board work to support firm-level entrepreneurship in small firms, Halmstad, February.

**Jacob, M.** (2005), *Innovative Public Management and the Triple Helix*, Invited Lecture at the Nordic Seminar for Education and Development in Local Government, Norrköping, December.

**Jacob, M.** (2005), *The Entrepreneurial University in Sweden*, Seminar at VINNOVA, Stockholm, June.

## **6. External research contacts during 2004 - 2005**

**Asheim, B.**, Editor of ‘Economic Geography’ and ‘Regional Studies’. 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.

**Asheim, B.**, Member of professorial evaluation committees at University of Oslo and Stockholm University.

**Asheim, B.**, Member of International Advisory Committee for the Canadian Innovation Systems Research Network and MCRI Cluster project, funded by the Canadian Social Science Research Council (2001-2005), and invited participant at their annual conference.

**Coenen, L.**, Referee for *European Planning Studies*, *Industry and Innovation*, *Journal of Entrepreneurship and Innovation Management*, *International Journal for Technology Management* and *Tillväxtpolitisk utblick*

**Gabrielsson, J.**, Involved in an ongoing research project called “The Value Creating Board” initiated by the Norwegian School of Management, BI. Apart from Norway and Sweden, the research project involves researchers from Finland, Belgium, the Netherlands, Germany, Switzerland and Italy. Three workshops were arranged within the project during 2005: one in

January at Norefjell (Norway), one prior to the 4<sup>th</sup> EURAM Annual Conference in Munich in May, and one in Oslo at the Norwegian School of Management, BI in December. Gabriellsson was invited as a coordinator and presenter at all three workshops.

**Gabrielsson, J.**, Co-chair at the corporate governance track at the EURAM conference 2005, together with Professor Morten Huse (chair), Norwegian School of Management, BI, and Associate Professor Theo Postma (co-chair), University of Groningen, Netherlands.

**Jacob, M.**, Referee for *Science, Technology and Human Values, R&D Management*. Faculty opponent for PhD thesis, Department of Sociology, Helsinki University, August 2005  
Chairperson of the Grading Committee for thesis entitled Interdisciplinary knowledge integration and the Sustainable Livelihoods Approach. Case studies on rural livelihoods in Kenya and China, Human Ecology Section, Gothenburg, University, December 2005.