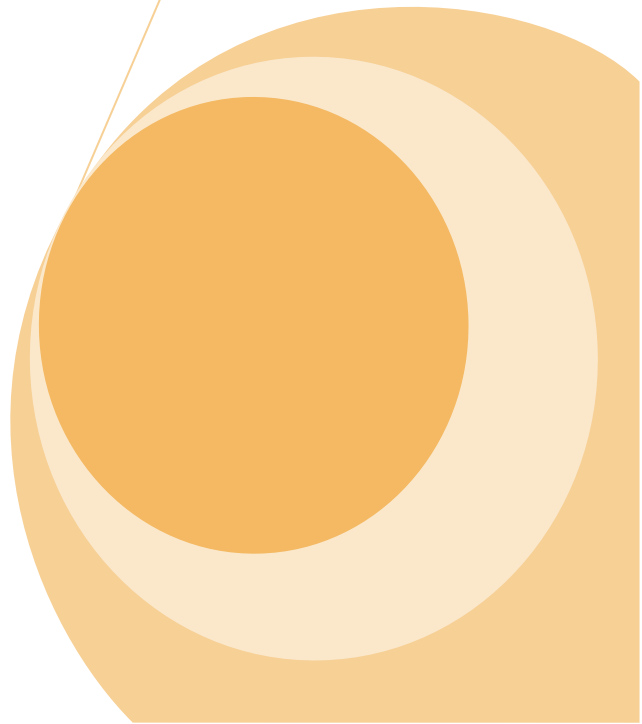


C I R C L E

## Annual Report 2010

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

P.O. Box 117, Sölvegatan 16, S-221 00 Lund, SWEDEN  
[www.circle.lu.se](http://www.circle.lu.se)







# Annual Report 2010

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

Sölvegatan 16, Box 117, 221 00 Lund, SWEDEN

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[www.circle.lu.se](http://www.circle.lu.se)

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## 1. LETTER FROM THE DIRECTOR

CIRCLE (Centre for Innovation, Research and Competence in the Learning Economy) is an interdisciplinary research centre spanning several faculties at Lund University and Blekinge Institute of Technology. CIRCLE was formed in July 2004 with initial funding from VINNOVA (The Swedish Government Agency for Innovation Systems), Lund University, and the Ruben Rausing Foundation for Entrepreneurship and Innovation. It was also awarded a 10 year Linnaeus Grant<sup>1</sup> by the Swedish Research Council (VR) in July 2006 for the research program “Innovation, Entrepreneurship and Knowledge Creation: Dynamics in Globalizing Learning Economies”. CIRCLE’s status as a producer of international excellence in research was also acknowledged in two evaluations by international peers in 2008. CIRCLE came out extremely well in both of these. One of them was the RQO8 which assessed all research units at Lund University, where CIRCLE was given the grade “excellent” (the highest grade) in all dimensions.

In connection with a VINNOVA (The Swedish Agency for Innovation Systems) call for a new round of funding of centres of excellence, innovation research centres in Sweden were evaluated by international peers in June 2010. The call concerned research on innovation/innovation systems/innovation policies, research on entrepreneurship/SMEs and research on the organization, economics and policy of R&D. CIRCLE was ranked number one of nine innovation research centres and was given the highest grade (5) for research. Grade 5 means “Outstanding, at the forefront of international research”. The comment of the evaluators was “This is an internationally eminent group addressing the main questions at the leading edge of innovation systems/innovation policy research with potentially strong policy implications.” As a direct consequence of this evaluation, CIRCLE was awarded a six-year grant from VINNOVA, with matching funding from Lund University.

Details of the evaluations are accessible via [www.circle.lu.se](http://www.circle.lu.se).

During 2010 CIRCLE was a member of two Networks of Excellence in the field, funded by the European Union under the 6th Framework Program: DIME (Dynamics of Institutions and Markets in Europe) and PRIME (Policies for Research and Innovation in the Move towards the European Research Area). Since its creation in July 2004, CIRCLE has established itself as a leading national and international centre for research on R&D, innovation, knowledge creation, entrepreneurship and economic dynamics. CIRCLE is today the largest of three national Centres of Excellence funded by VINNOVA. This position has been further strengthened by the Linnaeus grant awarded in 2006 and the new VINNOVA grant in 2010. In 2010 CIRCLE focused on consolidating its organization with an emphasis on further strengthening the quality dimensions. This has implied a continuing focus on international high-impact publishing and project formation and application (see Section 4). It has also entailed intensive international recruitment, as a

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<sup>1</sup> The aim of the Linnaeus Grants is to enhance support for internationally competitive research of the highest quality. In 2006, more than 100 research groups in all fields of research were nominated by all Swedish universities to apply for these grants. International reviewers selected 20 environments to receive financial support (for CIRCLE 60 MSEK, including matching funding from Lund University) for the next ten years. Five of them were in the social sciences and the humanities. Of these, CIRCLE obtained the only Linnaeus grant for Swedish research in the field of innovation, entrepreneurship and growth. VINNOVA and the Linnaeus Grant are the main sources of funding for CIRCLE. Other sources are presented in section 4.

result of which CIRCLE has added six new researchers to its staff; this brings the total CIRCLE staff up to 35, representing 10 nationalities and 14 disciplines. The number of full time equivalent research positions paid over the CIRCLE budget is 21.

In October 2010, CIRCLE announced positions as Senior Lecturer/Full Professor and Assistant Professor in Innovation Studies. The profile of the positions was Innovation Studies in a broad sense. This includes the following subfields:

- Research on innovation/innovation systems/ innovation policies,
- Research on entrepreneurship/SMEs, and
- Research on the organization, economics and policy of R&D.

The integration of these sub-fields in an open interdisciplinary milieu constitutes the research profile of CIRCLE. CIRCLE's mission is to be an internationally leading research centre in this field, to provide teaching on related topics, and to pursue work of high relevance for society at large.

By the deadline in December, 2010, there were 60 applicants for the positions. About  $\frac{3}{4}$  of them were non-Swedes, representing 17 countries. It has been decided that the applicants will be evaluated by Stan Metcalfe (Manchester), Mette Moensted (Copenhagen), Ron Boschma (Utrecht) and Keld Laursen (Copenhagen). Based on this evaluation 7-8 new researchers will be offered employment at CIRCLE from May 2011.

Section two of this report presents CIRCLE staff with expert keywords and contact data, while section three introduces the new CIRCLE members and provides a brief description of their academic history and research interests.

CIRCLE also renewed its educational contributions in 2010. The European Society, Science and Technology master program (ESST) was restructured and entered into the quality system of the Social Science Faculty of Lund University. The program, which runs for two years, currently has about 35 participants from almost as many countries across the world, making this a truly international educational experience in the area of science, technology and innovation studies. In 2010 CIRCLE also expanded its activity at the Faculty of Engineering LTH), Lund University (by developing three new courses in innovation management, business development and globalization of innovation for the new engineering master's course 'Business and Innovation' (see section 4 of this report). This cooperation will make CIRCLE expertise available to engineering faculty students, tie CIRCLE closer to this faculty and to Lund University's innovation and business development.

CIRCLE added six new projects to its portfolio of external financing in 2009, amounting to approximately 9 000 000 SEK over a three to four-year period. Financers are the EU, VINNOVA, Region Skåne, Nordcorp, Riksbankens Jubileumsfond, the Swedish Research Council (VR) and Lund University. The projects involve a majority of the CIRCLE staff, i.e. they are highly integrated and cover most of the priority areas described in the research section below.

In terms of publishing, CIRCLE staff contributed 15 journal articles, five books and edited books and 19 book chapters to the international, peer reviewed press in 2010. Numerous reports, popularizations and conference papers also made their way to the international academic community in 2010, together ensuring a broad dissemination of research results. Publications are reported in detail in section 6. We also report the citation record of the CIRCLE staff in section 4.3

Lund, February 2011

*Charles Edquist (Director of CIRCLE)*

## 2. CIRCLE PEOPLE AND EXPERTISE 2010

### BJÖRN ASHEIM, DEPUTY DIRECTOR (PROFESSOR, ECONOMIC GEOGRAPHY)

CIRCLE employment 50%  
Department of Social and Economic Geography  
employment 50%

Task distribution: Research 80%, teaching 10%,  
10%

Keywords: Regional Innovation Systems,  
regional innovation policy, learning regions,  
industrial districts and regional clusters,  
technological change and globalization

Email: bjorn.asheim@circle.lu.se

### SOFIA AVDEITCHIKOVA (ASSISTANT PROFESSOR)

CIRCLE employment 80%  
External consultant employment 20%

Task distribution: Research 75%, teaching 5%.

Keywords: Entrepreneurship finance, venture  
capital, informal venture capital, business  
angels, geographical aspects of venture  
investments, innovation policy

Email: sofia.avdeitchikova@circle.lu.se

### MATS BENNER (PROFESSOR, RESEARCH POLICY)

CIRCLE employment 20%  
Research Policy Institute employment 80%

Task distribution: Research 100%

Keywords: Research policy, research  
organization, management of large-scale  
research groups, leadership and change in  
academic organizations, research evaluation

Email: mats.benner@fpi.lu.se

### SUSANA BORRAS (PROFESSOR, PART- TIME)

CIRCLE employment 20%  
Copenhagen Business School employment 80%

Task distribution: Research 100%

Keywords: Governance of research and  
innovation, innovation policy, EU governance,  
coordination and network governance, new  
policy instruments, industrial clusters policy

Email: sb.cbp@cbs.dk

### CHRISTINA BRATT (FINANCIAL CONTROLLER)

CIRCLE employment: 100%

Keywords: Economic administration, financial  
project management

Email: christina.bratt@circle.lu.se

### CRISTINA CHAMINADE (ASSOCIATE PROFESSOR)

CIRCLE employment 100%

Task distribution: Research 85%, teaching 10%,  
administration 5%

Keywords: Innovation policy, globalization of  
innovation, innovation systems in developing  
countries, global value chains, intellectual capital  
management

Email: cristina.chaminade@circle.lu.se

**LARS COENEN (ASSISTANT PROFESSOR,  
INNOVATION STUDIES)**

CIRCLE employment 100% (50% parental leave  
January-August)

Task distribution: Research 80%, teaching 15%,  
administration 5%

Keywords: Geography of innovation, regional  
innovation systems, system innovation and  
sustainability transitions, eco-innovation, clean  
technology, innovation

Email: jan.fagerberg@tik.uio.no

**CLAUDIA DE FUENTES, (POST-DOC)**

CIRCLE employment 100%

Task distribution: Research 75%, teaching 25%,

Keywords: Systems of innovation, new forms of  
academy–industry collaboration, knowledge  
spillovers, absorptive capabilities, technological  
capabilities for catching up in developing  
countries, and science and technology policy.

Email: claudia.de.fuentes@circle.lu.se

**CHARLES EDQUIST, DIRECTOR  
(PROFESSOR)**

CIRCLE employment 100%

Task distribution: Research 35%, teaching 3%,  
administration 62%

Keywords: Innovation processes – determinants  
and consequences, (Comparative) Innovation  
Systems (national, sectoral, regional),  
operationalization of innovation theory,  
innovation indicators, innovation policy, demand  
and innovation, e.g. public procurement for  
innovation

Email: charles.edquist@circle.lu.se

**OLOF EJERMO (ASSOCIATE SENIOR  
LECTURER, INNOVATION ECONOMICS)**

CIRCLE 75%  
Department of Economics 25%

Task distribution: Research 75%, teaching 25%

Keywords: Regional innovation, economics of  
innovation and technical change, innovation  
measurement, innovation and growth, the  
Swedish ‘paradox’

Email: olof.ejermo@circle.lu.se

**JAN FAGERBERG (PROFESSOR, PART-  
TIME)**

CIRCLE employment 20%  
TIK, University of Oslo employment 80%

Task distribution: Research 100%

Keywords: Innovation, competitiveness and  
economic growth, competitiveness, innovation  
systems, catching up, path dependency,  
evolutionary theory

Email: jan.fagerberg@tik.uio.no

**JONAS GABRIELSSON (ASSOCIATE  
PROFESSOR)**

CIRCLE employment 100%

Task distribution: Research 75%, teaching 15%,  
administration 10%

Keywords: Academic entrepreneurship,  
corporate governance, entrepreneurial learning  
and competence building

Email: jonas.gabrielsson@circle.lu.se



### HØGNI KALSØ HANSEN (POST-DOC)

CIRCLE employment 50%  
Department of Social and Economic Geography  
employment 50%

Task distribution: Research 50%, teaching 50%,

Keywords: Regional development and competitiveness, city regions, labour mobility, talent mobility, skills provision, migration, creative class thesis

Email: hogni.kalso\_hansen@circle.lu.se

### TOMAS HELLSTRÖM (PROFESSOR)

CIRCLE employment 100%

Task distribution: Research 40%, teaching 10%, administration 50%

Keywords: Research evaluation, science policy, innovation management and strategy, university-industry relations, university management, design management, creativity

Email: tomas.hellstrom@circle.lu.se

### ANDREAS LEON JÖNSSON (IT-SUPPORT)

CIRCLE employment: 30%

Email: andreas.leon\_jonsson@circle.lu.se

### ELNA JÖNSSON (INVESTIGATOR)

CIRCLE employment: 100%

Task distribution: Facility management 40%, Investigations 30 %, Administration 30 %

Keywords: Facility management, Facility development, Working environment, Study coordination, Administrative law, Means of control.

Email: elna.jonsson@circle.lu.se

### TAEHYUN JUNG, (POST-DOC)

CIRCLE employment 100%

Task distribution: Research 75%, teaching 25%

Keywords: the economics of innovation and technical change, intellectual property rights, patent strategy, university-industry collaboration, organizational economics, nonprofit organizations

Email: taehyun.jung@circle.lu.se

### ASTRID KANDER (PROFESSOR)

CIRCLE employment 70%

Economic History Department employment 30%

Task distribution: Research 60%, teaching 20%, administration 20%

Keywords: Long-term economic growth, energy and environment, technology and structural change, R&D and growth, evolutionary economics

Email: astrid.kander@ekh.lu.se

### HANS LANDSTRÖM (PROFESSOR, ENTREPRENEURSHIP)

CIRCLE employment 20%

Institute of Economic Research employment 80%

Task distribution: Research 50%, teaching 25%, administration 25%

Keywords: Entrepreneurship theory, entrepreneurial learning, entrepreneurship and business development, resource acquisition in entrepreneurial ventures, entrepreneurial finance, informal and formal venture capital.

Email: hans.landstrom@fek.lu.se

### ANA MAFALDA MADUREIRA (PHD CANDIDATE)

CIRCLE employment 80%  
Blekinge Technical University employment 20%

Task distribution: Research 80%, teaching 10%,  
administration 10%

Keywords: Creative regions and  
neighbourhoods, physical and spatial planning,  
urban transformation, gentrification, post-  
industrial economy, spatial policy benchmarking

Email: ana\_mafalda.madureira@circle.lu.se

### ROMAN MARTIN (PHD CANDIDATE)

CIRCLE employment 100%

Task distribution: Research 90%, administration  
10%

Keywords: Economic geography, regional  
innovation systems, regional innovation policy,  
innovation measurement, efficiency and  
productivity analysis

Email: roman.martin@circle.lu.se

### JERKER MOODYSSON (ASSISTANT PROFESSOR)

CIRCLE employment 80%  
Department of Social and Economic Geography  
employment 20%

Task distribution: Research 80%, teaching 20%

Keywords: Economic geography, regional  
innovation systems, regional innovation policy,  
institutional entrepreneurship, knowledge  
creation, innovation processes

Email: jerker.moodysson@circle.lu.se

### JAN-EVERT NILSSON (PROFESSOR)

CIRCLE employment 20%  
Blekinge Technical University 80%

Task distribution: Research 100%

Keywords: Regional development, innovative  
regions, industrial districts, spatial and regional  
planning, regional policy

Email: jan-evert.nilsson@circle.lu.se

### MAGNUS NILSSON (POST-DOC)

CIRCLE employment 100%

Task distribution: Research 100%

Keywords: Regional Innovation Systems,  
industrial clusters, inter-organizational  
networks, firm strategy, resource dependency,  
network learning, methodology

Email: magnus.nilsson@circle.lu.se

### MONICA PLECHERO (PHD CANDIDATE)

CIRCLE employment 100%

Task distribution: Research 100%

Keywords: Global innovation networks, impact  
of globalization of innovation in developing  
countries, emerging regional innovation  
systems, global value chains

Email: monica.plechero@circle.lu.se

### JOSEPHINE REKERS (POST-DOC)

CIRCLE employment 100%

Task distribution: Research 80%, teaching 20%

Keywords: Economic geography, innovation  
systems, industrial dynamics, knowledge  
transfer and diffusion, innovation in health care  
systems, regional economic development

Email: josephine.rekers@circle.lu.se

### LENNART SCHÖN (PROFESSOR, ECONOMIC HISTORY)

CIRCLE employment 20%  
Dep. of Economic History employment 80%,

Task distribution: Research 60%, teaching 20%,  
administration 20%

Keywords: Swedish National Innovation System,  
impact on productivity and growth of  
innovation, technological shifts, economic  
transformation, structural change, growth  
patterns, energy, macro-indicators

Email: lennart.schon@ekh.lu.se

### EMELIE STENBORG (STUDY COORDINATOR ESST-PROGRAM)

CIRCLE employment 25%  
Research Policy Institute employment 75%”

Task distribution: Administration 25%, Research  
75%

Keywords: European Studies of Society, Science  
and Technology (ESST), study coordination

Email: emelie.stenborg@circle.lu.se

### FRANK VAN DER MOST (POST-DOC)

CIRCLE employment 100%

Task distribution: Research 75%, teaching and  
applications 25%

Keywords: Research evaluation, organization of  
research, societal evaluation, use and effects of  
evaluations, research funding organizations  
(RFOs), funding instruments, nanotechnology

Email: frank.van\_der\_most@circle.lu.se

### JING XIAO (PHD CANDIDATE)

CIRCLE employment 100%

Task distribution: Research 50%, studying 50%

Keywords: innovation and firm growth,  
technology change, innovation indicators, R&D  
and economic growth, the combined macro and  
micro approaches

Email: jing.xiao@circle.lu.se

### MAREILE WALTER (PHD CANDIDATE)

CIRCLE employment 0%  
Blekinge Technical University employment 100%

Keywords: Regional development, university-  
society interaction, urban planning and design,  
innovative regions, city redevelopment, multi-  
level governance

Email: mareile.walter@circle.lu.se

### CAROLINE WIGREN (ASSISTANT PROFESSOR)

CIRCLE employment 80%  
Malmö University employment 20%

Task distribution: Research 75%, administration  
5%

Keywords: Entrepreneurship and regional  
development, university-industry interaction,  
academic entrepreneurship, entrepreneurship  
policy, CSR, health entrepreneurship

Email: caroline.wigren@circle.lu.se

### JON MIKEL ZABALA (POST-DOC)

CIRCLE employment 100%

Task distribution: Research 70%, teaching 25%,  
administration 5%

Keywords: Regional innovation policy,  
evaluation of innovation policy, R&D efficiency  
and productivity, benchmarking, RIS indicators,  
Public procurement for innovation, Varieties of  
capitalism, Knowledge Intensive  
Entrepreneurship

Email: jon\_mikel.zabala@circle.lu.se

YANNU ZHENG (PHD CANDIDATE)

CIRCLE employment 100%

Task distribution: Research 100%

Keywords: Relationship of R&D, innovation and growth, Swedish paradox, impact of organizations' characteristics, ownership styles, financial and incentive systems, obstacles

Email: yannu.zheng@circle.lu.se

ELENA ZUKAUSKAITE (PHD CANDIDATE)

CIRCLE employment 100%

Task distribution: Research 100%

Keywords: Economic geography, regional innovation system, regional innovation policy, institutional entrepreneurship, organizational innovation, university-industry interaction

Email: elena\_zukauskaite@circle.lu.se



Figure 1: CIRCLE staff in year 2010

### 3. NEW PEOPLE AND APPOINTMENTS 2010

#### 3.1 NEW APPOINTMENTS 2010

The following new CIRCLE positions were awarded in competition with external candidates, and appointed in 2010.

- Taehyun Jung, Post Doctor from 2010-08-01
- Claudia De Fuentes, Post Doctor from 2010-08-01
- Josephine Rekers Post Doctor from 2010-09-01
- Elena Zukauskaitė, PhD Student from 2010-07-01
- Yannu Zheng, PhD Student from 2010-09-05
- Jing Xiao, PhD Student from 2010-09-05

#### 3.1 VISITING SCHOLARS

The following people spent from one to six months as visiting researchers at CIRCLE during 2010:

- Ju Liu, (Chengdu University, China)
- Jin Hong, (University of Science and Technology of China, China)
- Pascal Doh, (Tampere University, Finland)
- Antonios Aggelakis, (Crete, Greece)
- Helena Barnard, GIBS, (Pretoria University, South Africa)

#### 4. RESEARCH AND RELATED ACTIVITIES

The first VINNOVA funding that established CIRCLE in July 2004 expired at the end of June 2010. VINNOVA advertised a new call for Core Funding of Centres for Innovation Systems Research for 6 years (3+3 years) with a deadline of May 31st 2010. The outcome of the international peer review process was that CIRCLE's application 'Transformation and Growth in Innovation Systems: Innovation Policy for Global Competitiveness of SMEs and R&I Milieus' again was ranked as No. 1 with 4.5 of 5 possible points. CIRCLE got top score of 5 points with respect to the criterion 'stimulate research of major benefit to innovation policy decisions'. The international peer reviewers commented: 'This is an internationally eminent group addressing the main questions at the leading edge of innovation systems/innovation policy research with potentially strong policy implications.'

The VINNOVA call was for research on 'Innovation Systems', 'Innovative and rapidly growing SMEs and Entrepreneurship', and 'Strong Research and Innovation Milieus'. Of the applicants, only CIRCLE - due to its broad competence and capacity - was able to propose high level research in all these three areas. Of a total of 9 applications, VINNOVA decided to fund 3 research centres.

The overall perspective of the CIRCLE proposal for innovation systems (IS) research is based on the view that IS are both selection environments and sources of new variety creation. This is applied as a frame for the specific studies of innovation systems, innovative SMEs and entrepreneurship, and strong research and innovation (R&I) milieu. While the first analyses the transformation of IS in a long-term perspective, the second and third look at specific drivers of change on the micro (entrepreneurship) and meso levels (R&I milieus). The projects aim at linking entrepreneurship and IS in the analyses of selected sectors (health, food and energy). A majority of the projects make use of unique data bases at CIRCLE for quantitative analyses. Relations with innovation policy makers are a fundamental concern of CIRCLE. The proposal shows how CIRCLE will strengthen and widen existing activities as well as deploy new activities. These will not only focus on traditional dissemination of research results, but also aim to cover the complete interactive process of strategic decisions regarding future research areas, discussion and exchange of on-going projects, and policy reports on results of finished projects. These activities will ensure that all research projects at CIRCLE will take policy issues seriously throughout the project phases. More information about the application and the review can be found here: [www.circle.lu.se/research/](http://www.circle.lu.se/research/)

The focus of the new VINNOVA funding on innovation, entrepreneurship and knowledge creation in globalizing learning economies is also in line with CIRCLE's programme of 'Linnaeus' research on 'Innovation, Entrepreneurship and Knowledge Creation: Dynamics in Globalizing Learning Economies'. The major difference between the two programmes is that the Linnaeus programme is more oriented towards basic research while the VINNOVA programme is more applied and policy-oriented.

The Linnaeus research milieu is organized along 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 2<sup>2</sup>.

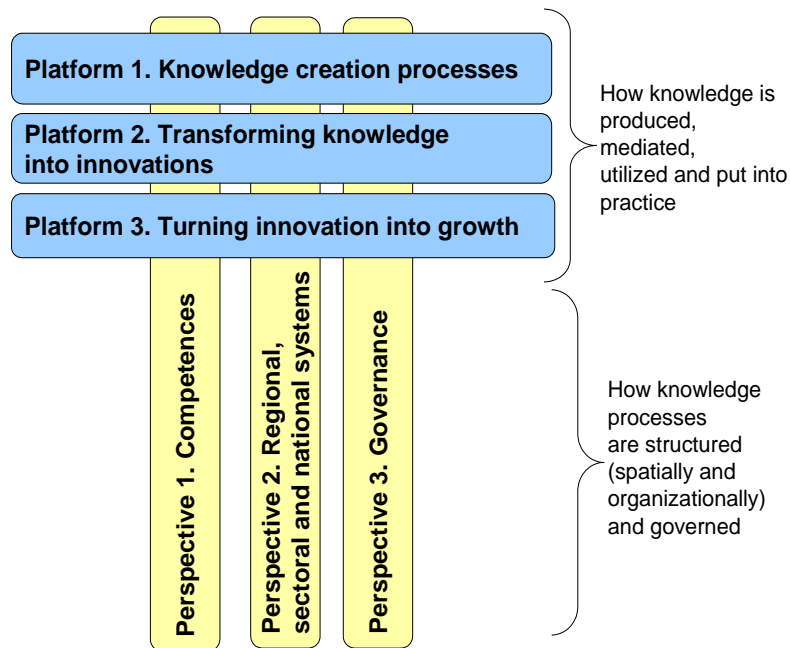


Figure 2: Research platforms and perspectives

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<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).

## 4.1 NEW AND ONGOING PROJECTS AT CIRCLE

CIRCLE was established as a Centre of Excellence in 2004 on the basis of a program grant from the Swedish Agency for Innovation Systems (VINNOVA). In addition to this initial base grant from VINNOVA (running for six years) CIRCLE was awarded a Linnaeus grant in 2006 (running for ten years) by the Swedish Research Council for studies of Innovation, Entrepreneurship and Knowledge Creation.

In connection with a VINNOVA (The Swedish Agency for Innovation Systems) call for a new round of funding of centres of excellence, innovation research centres in Sweden were evaluated by international peers in June 2010. The call concerned research on innovation/innovation systems/innovation policies, research on entrepreneurship/SMEs and research on the organization, economics and policy of R&D. CIRCLE was ranked number one of nine innovation research centres and was given the highest grade (5) for research. Grade 5 means “Outstanding, at the forefront of international research”. The comment of the evaluators was “This is an internationally eminent group addressing the main questions at the leading edge of innovation systems/innovation policy research with potentially strong policy implications.” As a direct consequence of this evaluation, CIRCLE has been awarded a six-year grant from VINNOVA (with matching funding from Lund University).

In addition, several new research grants have been received from national (e.g. VR and Region Skåne) as well as international (e.g. EU and NOS-HS) sources.

In addition to the two base grants from VINNOVA (the new programme running from July 2010 to the end of June 2016; the first 3-year phase with 3 MSEK from VINNOVA and 3 MSEK matching funding in cash from Lund University) and the Linnaeus grant (running for 10 years until the end of June 2016), several new research grants were won in 2010, from national (e.g. VR, RJ, etc.) as well as international (check this) sources. Some of the new research programmes are presented in this section.

**Table 1: External funding 2010**

Financier	Project Title	Project Manager/ Researchers	Amount (SEK)	Time Period
RJ	The next generation of regional innovation policy	B.T. Asheim J. Moodysson	3 400 000	2010-2013
VR	Constructing Regional Advantage: Towards a state-of-the-art Regional Innovation System in Europe	B.T. Asheim J. Moodysson	2 918 598	2007-04-24- 2010-12-31
VINNOVA	Effects on Small and Medium Size Enterprises from VINNOVA programs	O. Ejermo K. Bergman J. Fischer H. Hansen J. Moodysson O. Hallonsten	1 417 000	2009-2010
New VINNOVA core funding of Centres of Innovation Systems Research (Phase 1, 2010-2013)	Transformation and Growth in Innovation Systems: Innovation Policy for Global Competitiveness of SMEs and R&I Milieus	C. Edquist B. Asheim	9 000 000	2010-07-01 2013-06-30



Financier	Project Title	Project Manager/ Researchers	Amount (SEK)	Time Period
Region Skåne	Regional competitiveness, innovation systems and economic change: New perspectives on Scanian clusters	J. Moodysson M. Nilsson	420 000	2009-2010
Norcorp	Organizational change for innovation and institutional entrepreneurship in health-care systems	B. Asheim J. Moodysson	2 300 000	2009-2012
VR	The multiplicative relationship and effects of entrepreneurship and innovation	J. Gabrielsson	648 000	2009-2011
LU	Long term energy growth sustainability LEGS	A. Kander	3 000 000	2009-2011
EU/DIME	Exploring the Knowledge Base of the 'Knowledge Economy' (EXPLORE)	J. Fagerberg	1 200 000	2009-2010
EU	AEGIS - Advancing Knowledge-Intensive Entrepreneurship and Innovation for Economic Growth and Social Well-being in Europe	C. Edquist J. Gabrielsson O. Ejermo J. M. Zabala	2 500 000	2008-07-01-- 2012-07-01
EU	INGINEUS	C. Chaminade M. Plechero	2 500 000	2008-07-01-- 2011-06-30
VR	Innovation as a driver for development: supporting innovative clusters in South Africa	C. Chaminade	450 000	2008-01-01 -- 2010-12-31
VINNOVA	Innovation Efficiency and Economic Development	L. Schön O. Ejermo	3 000 000	2008-07-01-- 2012-12-31
VINNOVA	Sustainable Growth, Energy and Innovation	L. Schön A. Kander	3 000 000	2008-07-01-- 2012-12-31
VINNOVA	Dynamic Labour Markets: Competence, Talent, Mobility	B.T. Asheim H. Hansen	2 700 000	2007-01-01-- 2010-12-31
VINNOVA	R&D, Innovations and Growth	O. Ejermo A. Kander	1 500 000	2007-07-01-- 2011-12-31
VR (Linnaeus Grant)	Innovation, Entrepreneurship and Knowledge Creation: Dynamics in Globalising Learning Economies- Linnaeus Research at LUCIE	C. Edquist B. Asheim H. Landström L. Schön C. Chaminade	50 000 000	2006-07-01-- 2016-06-30
VINNOVA (Phase 2)	CIRCLE-Innovation System Research	C. Edquist	10 500 000	2007-01-01-- 2010-06-30

Some of the new projects listed are briefly described below.

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## NEXT GENERATION REGIONAL INNOVATION POLICY: HOW TO COMBINE SCIENCE AND USER DRIVEN APPROACHES

This project is funded by Riksbankens Jubileumsfond (an independent foundation drawing on a donation from the Swedish Central Bank). The aim of the project is to improve our knowledge of regional innovation systems and related public policy. Specific focus is given to the importance, and practical challenge, of combining research-based (supply-oriented) and user-driven (demand-oriented) strategies for supporting strong innovation milieus at the regional level. Such combined strategies are unusual, but necessary, to promote well-functioning regional innovation systems in the future. The empirical point of departure is taken from the innovation strategies of Sweden, Norway and Finland, with particular focus on regional efforts supporting so-called "centres of expertise". Drawing on combinations of qualitative and quantitative methods, six such centres of expertise are compared with regard to their public sector-initiated support strategies and the knowledge base of their target industries. The Swedish case studies focus on the food industry in the south and the energy sector in the north. These are good examples not only of traditional industries facing new institutional pressures and new market challenges, but also strategies for promoting innovation explicitly aimed at combining historical strengths in traditional production with emerging strengths in science and new technologies. They are thus typical cases in which bridging of research-based and user-driven strategies is necessary to create change. CIRCLE researchers involved are Bjørn Asheim (project leader), Jerker Moodysson and Lars Coenen.

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## EFFECTS OF VINNOVA PROGRAMS (VINNOVA) ON SMALL AND MEDIUM SIZE ENTERPRISES

This study analyzes the effects of public innovation support on a selection of small and medium-sized firms which have received grants from VINNOVA (the Swedish Governmental Agency for Innovation Systems) through the programs Forska&Väx and VINN NU. The focus is on observing behavioural change within supported firms, referred to as behavioural additionality in the literature. The study distinguishes scale, acceleration and scope effects; scope effects are specified as changed behaviour with regard to products and markets, networks, human capital, and innovation management. It also discusses the strength of observed additionalities, and assesses to what extent the observed additionalities are dependent on contextual factors such as firm size, firm age, size of grant, type of grant, and time from grant to observation. Focused semi-structured interviews constitute the main method for identifying additionalities and specifying their type and strength. Thirty four firms were interviewed during the period May-September 2009. The analysis of impact on contextual factors (size, age, timing etc) draws on a combination of interviews and register data.

Several concrete examples of additionality are identified. Scale and acceleration are the most commonly found additionality effects, and both are strongly conditioned by the size of support, the type of program and the size of the firm. Scope additionalities with respect to new products and new markets are also common, primarily among the larger firms supported by Forska&Väx. This type of additionality is conditioned by the age of the firm and the time elapsed from when the firm first received its grant to observation. The other types of scope additionalities (networks, human capital and innovation management) appear less frequently and less strongly. They may be considered to have less thorough impact on the firm's long-term orientation and performance. In addition to the additionalities targeted through the study, there are clear signs that public support results in a signalling, "quality assurance" effect. VINNOVA, through its support, sends signals to other potential investors that the firm is worth investing in.

The main conclusion from the study is thus that public support for innovation contributes to the reduction of risk in firms in stages of business formation, and to the reorientation of existing firms. The project was managed by Olof Ejeremo, and the participants were K. Bergman, J. Fischer, H. Hansen, J. Moodysson and O. Hallonsten.

The full version of the report can be downloaded and printed from:

<http://www.vinnova.se/en/Publications/Products/Effects-of-VINNOVA-Programmes-on-Small-and-Medium-sized-Enterprises/>

or for a summary:

<http://www.vinnova.se/sv/Publikationer/Produkter/Sammanfattning---Effekter-av-VINNOVA-program-hos-Sma-och-Medelstora-Foretag/>

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## THE MULTIPLICATIVE RELATIONSHIP AND EFFECTS OF ENTREPRENEURSHIP AND INNOVATION

This project is funded by the Swedish Research Council and conducted together with the Halmstad University College starting in 2009-2010. All innovators are not entrepreneurs and entrepreneurs are not always innovators. Sweden is a leading country when it comes to investments in R&D but performs much worse when it comes to entrepreneurial activity. Previous studies have shown that innovations are exploited in the intersection between opportunities for entrepreneurial profit and individuals with motivation and ability to spot and seize an opportunity. Sweden, with its special conditions, is a suitable study object for examining the multiplicative effects between entrepreneurship and innovation. The project seeks answers to the following questions: To what extent are new firms started up based on new patents? Why do some patents lead to new firms while others are not exploited at all? What role does the character of the opportunity and the motivation and ability of the individual, who exploits the opportunity, play in the survival and success of new firms? The project includes two related empirical studies. In the first phase, a patent database will be created to analyze the extent to which patents are exploited in new firms, established firms, or at all. These results will be used in the next phase where the underlying reasons for the observed patterns are analyzed through questionnaire and interview studies. The central question is whether they can be related to a) the character of the opportunity, and b) the motivation and c) ability of the person who exploits the opportunity, and its multiplicative effects. Jonas Gabriëlsson is involved on the CIRCLE side of the project.

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## AEGIS - ADVANCING KNOWLEDGE-INTENSIVE ENTREPRENEURSHIP AND INNOVATION FOR ECONOMIC GROWTH AND SOCIAL WELL-BEING IN EUROPE

This large-scale integrated project, funded by the European Union FP7, studies the interactions of knowledge, innovation, economic growth and social well-being in Europe. It moves away from a person-centric view of entrepreneurship to consider entrepreneurs as generating or using knowledge. They are seen as members of networks, systems, and society, involved in dynamic processes of innovation and transformation. The main ideas behind this project are related to the perception of knowledge-intensive entrepreneurship as a necessary mechanism and an agent of change, mediating between the creation of knowledge and innovation and their transformation into economic activity.

The AEGIS project has three main objectives:

- At the micro level, it examines in depth the act of knowledge-intensive entrepreneurship, its defining characteristics, boundaries, scope and incentives.
- At the macro level, it studies the linkage of knowledge, entrepreneurship, economic growth and social well-being..
- At the policy level, the project takes a systemic approach to linking and integrating diverse sets of policies that influence the creation and growth of innovative entrepreneurial ventures based on knowledge generation and diffusion.

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

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## INGINEUS

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

The four main objectives of the project are:

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

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

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## SUSTAINABLE GROWTH, ENERGY AND INNOVATION (VINNOVA)

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

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

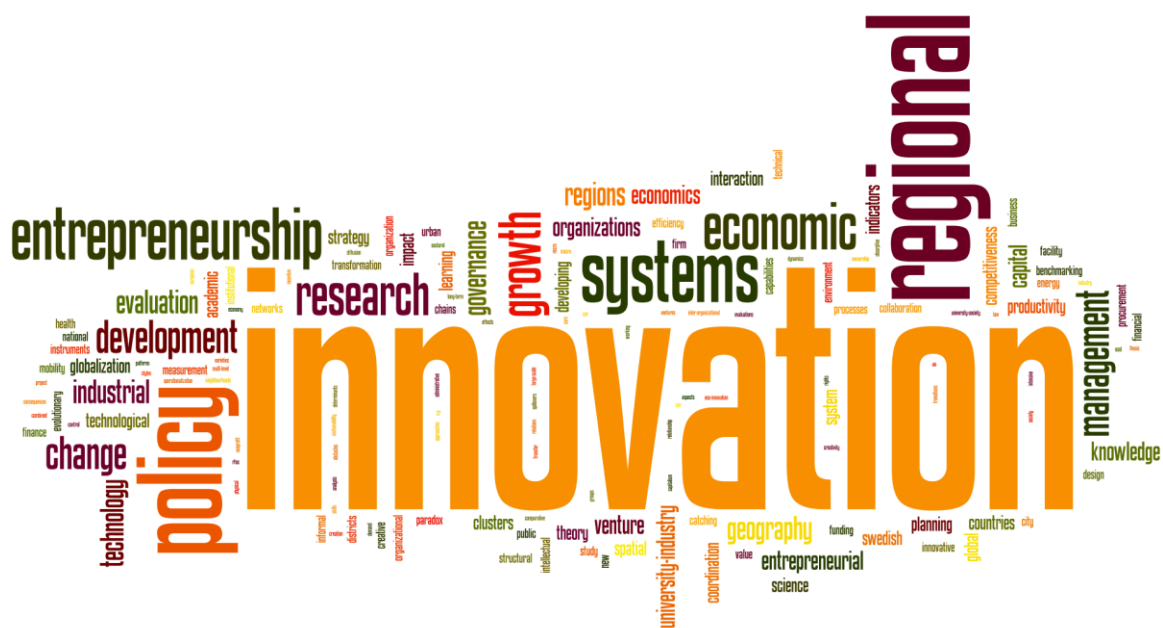


Figure 3: Word cloud based on expertise at CIRCLE in year 2010 (see section 2)

## 4.2 CIRCLE SEMINARS 2010

The brown-bag seminars, which have run as a monthly activity since 2008, continued in 2010. These informal mini-seminars have provided an arena for sharing new ideas on research projects, information about ongoing activities and new staff introductions. The core seminar activity consists of internal and invited scholars presenting new research on innovation. These seminars are well attended by researchers and students at Lund University. The following seminars were organized at CIRCLE during 2010:

### JANUARY

Björn Asheim (CIRCLE), Hans Landström (EHL, CIRCLE): Theme seminar on Innovation and Entrepreneurship

Cornelia Meissner (Department of Economics at City University, London, UK): The Impact of Industry Collaboration on Academic Productivity. A Dynamic Panel Data Analysis (with Albert Banal-Estanol and Mireia Jofre-Bonet)

### FEBRUARY

Bengt Johannisson (Växjö University): Entrepreneurship in Innovation Systems

### MARCH

Jan Fagerberg (CIRCLE, SPRU, Sussex and TIK, Oslo University): Exploring the knowledge base of innovation

### APRIL

Roman Martin (CIRCLE) and Jerker Moodysson (CIRCLE): The geography of knowledge sourcing in symbolic industries: monitoring, mobility and collaboration in the moving media Discussant: Elena Zukauskaitė (CIRCLE).

### MAY

Monica Plechero (CIRCLE) and Cristina Chaminade (CIRCLE): Different competences, different modes in the globalization of innovation? A comparative study of the Pune and Beijing regions

Johan Wiklund (Syracuse University, USA, Jönköping International Business School Nordland Research Institute, Norway), Advancing firm growth research

### SEPTEMBER

J. Rogers Hollingsworth (Wisconsin University, USA), The Rise and Decline of Hegemonic Systems of Science

### OCTOBER

Monder Ram (Centre for Research in Ethnic Minority Entrepreneurship (CREME), De Montfort University, UK): Ethnic Entrepreneurship

Yuji Mori (University of Shizuoka, Shizuoka, Japan): Role Model Effect on Potential Entrepreneurs

Claudia De Fuentes (CIRCLE): A three-stage model of the Academy-Industry linking process: the perspective of both agents

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## NOVEMBER

Jon Mikel Zabala (CIRCLE): Innovation system and knowledge-intensive entrepreneurship: machine tools and computer activities in Sweden. Discussant: Sofia Avdeitchikova (CIRCLE)

Saras Sarasvathy (University of Maryland): Current trends in effectuation research

Kostas Karantinis (Institute of Food and Resource Economics, University of Copenhagen): European Regional Knowledge Spillovers and Technological Convergence

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## DECEMBER

Howard Aldrich (University of North Carolina): Beam me up, Scott(ie)! Institutional Theorists' struggles with the emergent nature of entrepreneurship & Maryann Feldman (University of North Carolina): Organizational Legacy and Entrepreneurial Firm Performance

Roman Martin (CIRCLE): Comparing knowledge bases: on the geography of knowledge flows in the regional innovation system of southern Sweden & Cristina Chaminade (CIRCLE): Are Knowledge-Bases Enough? A comparative Study of the Geography of Knowledge Sources in China (Great Beijing) and India (Pune). Discussant: Lars Coenen (CIRCLE)

### 4.3 CITATION ANALYSIS FOR CIRCLE 2010

The citation analysis of 2011 concerns publications of CIRCLE staff up to and including 2010, although most publications in 2010 have not been out long enough to be cited. The analysis does not cover work by PhD students or administrative staff at CIRCLE. Two sets of data are recorded from a) Social Science Citation Index (SSCI) published by Thomson Reuters as part of their Web of Science products and b) citations at Google scholar. The analysis has been carried out by Olof Ejermo. The methodology used is presented below the table. The citation numbers are presented in the table below:

Person	new ssci 2010	Google Scholar 2010
Asheim, Bjørn	1172	4655
Avdeitchikova, Sofia	4	23
Benner, Mats <sup>3</sup>	82	438
Borras, Susana	141	1558
Chaminade, Cristina	51	601
Coenen, Lars	153	746
De Fuentes, Claudia	3	13
Edquist, Charles	1156	5848
Ejermo, Olof	22	196
Fagerberg, Jan	1064	5545
Gabrielsson, Jonas	54	320
Hansen, Høgni Kalsø	55	67
Hellström, Tomas	130	597
Jung, Taehyun	1	6
Kander, Astrid	56	149
Landström, Hans	173	1500
Liu, Ju	0	4
Moodysson, Jerker	68	308
Nilsson, Jan-Evert	43	157
Nilsson, Magnus	4	18
Rekers, Josephine	10	26
Schön, Lennart	117	681
Van der Most, Frank	0	4
Wigren, Caroline	8	62
Zabala Iturriagoitia, Jon Mikel	0	28

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<sup>3</sup> Google Scholar underestimates the citations to Mats Benner. It no longer properly finds the citations of Benner's most cited publication Sweden and Denmark: Defending the Welfare State. Adding the number of citations from last year would yield him at least 570 citations in Google Scholar.



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## METHODOLOGY FOR THE CITATION ANALYSIS

The citation analysis has now been carried out for CIRCLE since 2005. Over time there have been slight changes in methodology, although with generally little impact on comparability.

The citation analysis above shows citations to works published by the authors named above. Citations refer to all citations made to the author in question. We search the citation sources Google scholar (<http://scholar.google.com>) and the Social Science Citation Index (<http://www.isiknowledge.com/WOS>) for the author's name. Harzing's Publish or Perish (<http://www.harzing.com>) is now used to implement the Google scholar analysis. As this software yields the same citations as using Google scholar online, it greatly improves the speed of searches. Generally the last name is used for the searches, but the initial of the first name is also included in cases when the last name generates unmanageably many hits. In the process we check for misspelt names such as Edqvist (referring in general to Edquist), and add such citations. All hits are individually checked against the author's CV to find the original work cited.

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## CHANGES IN METHODOLOGY OVER TIME

The methodology follows what has been done and described in previous methodological notes for the Annual Report, except that now all publications are counted.<sup>4</sup> Also, before doing the citation analysis in 2007, the button "finish" was pressed for SSCI, but it was later discovered that this reduced the number of citations. For the present version of SSCI, conference proceedings are also included, which may increase the number of citations somewhat.

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## THE PROCEDURE FOR GOOGLE SCHOLAR

1. Start at <http://scholar.google.com/>. In Publish or Perish: start the software.
2. Click on "Advanced Scholar Search". In Publish or Perish: "Author impact analysis".
3. Enter the last name and initial of first name under 'Return articles written by' (In Publish or Perish: 'Author's name'). Note that people who cite erroneously could use the wrong spelling, in which case such citations may be added later by additional searches (the "Edqvist C" example, above). Quotation marks are not necessary. Press the 'Search Scholar' button. (In Publish or Perish: 'Lookup')
4. A list of publications by the searched author appears including the number of citations to this work (cited by ###). Check all publications that are not 'proper' publications; to reduce the workload we have included all contributions by the authors (i.e. including e.g. working, conference & discussion papers) in the search. Such a control may often require checking against the person's CV. This is also necessary to make sure that it is the right person that is referred to, as it will most likely be problematic if one searches for "Johansson B". (In Publish or Perish: check the boxes where correct works by the author are referred to.

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<sup>4</sup> Before the 2007 version, conference papers and working papers were excluded from the list of works referred to.

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## 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 the General reference search is limited to citations originating from publications in journals registered in the Science Citation Index only (thus excluding non-registered journals, books and book chapters).

1. Start at <http://www.isiknowledge.com/WOS>
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, i.e. not authored by the person in question; we have included all types of 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 the right person is referred to, as it 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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## SOME CAVEATS OF THE PRESENT METHOD

It is important to note the following caveats of the citation analysis carried out:

- We do not fractionalize the SSCI citations by the number of authors of the original work. This means that a citation to a work by a CIRCLE staff member is counted irrespective of the number of authors.
- The lack of fractionalization implies double-counting of cited work that CIRCLE staff have jointly produced.
- There is no way of distinguishing work published as an editor from authorship of the whole cited work.
- An author may have works that do not appear here, for instance if they are published in such a form that an organization stands as the author.

Also note that:

- Age and academic status affect the number of citations obtained.
- Number of citations and style of citations differ across scientific fields.
- Self-citations are included. It is very time-consuming to alleviate this problem. Self-citations accumulate over time and are also related to the age of the author.

## 5. EDUCATION AT CIRCLE

Education at CIRCLE has been focused on two main activities: The ESST (European Studies of Society, Science and Technology) Master's program, which runs for two years, and courses offered at the Faculty of Engineering (LTH), Lund University. In addition, staff employed at CIRCLE teaches extensively at other faculties at Lund University; particularly the School of Economics and Management (EHL), and also to some extent at the Faculty of the Social Sciences. Lecturing and teaching outside Lund University is also common.

The teaching in the ESST Program has been conducted cooperatively with the Research Policy Institute (RPI) at Lund University, and the students have been able to specialize and receive supervision in either Innovation Studies or Research Policy. Students find employment in science and technology policy, intermediary organizations, business firms (innovation management) and in NGOs. From year 2011 CIRCLE will discontinue the ESST program and transfer its focus to the courses offered at the Faculty of Engineering (LTH), Lund University. CIRCLE has offered elective courses at this faculty since 2004. Courses have included 'Introduction to Innovation Management', 'Tools for the Management of Innovation' and 'Global Competition in High Technology Sectors'. These have been very well received and evaluations have been excellent. As a result, CIRCLE was invited, in 2009, to develop an extensive course package for the newly created MSc in Engineering – called "Business and Innovation" – at the Department of Production Economics, LTH. These courses build on those offered previously and include one newly developed course – Entrepreneurship in New and Existing Firms. The Business and Innovation specialization at LTH is now up and running as a two-year program with a distinct management approach, aiming to develop the students' ability to lead organizational renewal and formulate and realize strategies for innovation in the firm. CIRCLE's involvement in this program represents almost half of the program as a whole. This involvement further consolidates CIRCLE's profile in innovation management and strategy on the firm level, as well as intensifies its connection with the engineering disciplines at Lund University.

The CIRCLE PhD program continued during 2010. The program involves six PhD candidates, who receive their PhD training in collaboration with the School of Economics and Management and Faculty of Social Sciences, Lund University, as well as Blekinge Technical University (BTH).

## 6. CIRCLE RESEARCH PRODUCTION 2010

### 6.1. JOURNAL ARTICLES

#### MATS BENNER

**Benner, M** (2010). Samhällsvetenskapen – forskningspolitikens förlorare? Statsvetenskaplig tidskrift, 112 (5), 230-241.

#### CRISTINA CHAMINADE

Liu, J. & **Chaminade, C.** (2010). Dynamics of a technological innovator network and its impact on technological performance. *Innovation Management Practice & Policy*. 12 (1), 54-73.

#### LARS COENEN

**Coenen, L.**, Diaz-Lopez, F. (2010). Comparing systems approaches to innovation and technological change for sustainable and competitive economies: an explorative study into conceptual commonalities, differences and complementarities, *Journal of Cleaner Production*, 18 (2), 1149-1160

**Coenen, L.**, Raven, R., Verbong, G. (2010). Local Niche Experimentation in Energy Transitions: a theoretical and empirical exploration of proximity advantages and disadvantages. *Technology in Society* 32 (4), 295-302.

#### CLAUDIA DE FUENTES

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#### JONAS GABRIELSSON

**Gabrielsson, J.**, Tell, J. & Politis, D. (2010) Business simulation exercises in small business management education: Using principles and ideas from action learning, *Action Learning: Research and Practice*, 7(1): 3-16.

#### HØGNI KALSØ HANSEN

Niedomysl, T. and **Hansen, H.K** (2010): What matters more for the decision to migrate: jobs versus amenities. *Environment and Planning A* 42: 1636-1649

Andersen, K. V., Bugge, M.M., **Hansen, H.K.**, Isaksen, A. and Raunio, M. (2010): One Size Fits All? Applying the Creative Class thesis onto a Nordic. *European Planning Studies* 18(10): 1591-1609

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**Hansen, H.K.** and Winther, L. (2010): The Spatial Division of Talent in City Regions: Location Dynamics of Business Services in Copenhagen. *Tijdschrift voor Economische en Sociale Geografie* 101(1): 55-72

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### TOMAS HELLSTRÖM

Jacob, M. & **Hellström, T.** (2010). Public-space planning in four Nordic cities: Symbolic values in tension, *Geoforum*, 41, 657-665.

**Hellström, T.** (2010). Evaluation of artistic research. *Research Evaluation*, 19(4), 310-321.

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### TAEHYUN JUNG

Kim, J., Oh, S., **Jung, T.**, (2010). Funding for Disaster Recovery: Increased Taxes or Charitable Donations to Nonprofits? *International Journal of Public Administration* 33, 1-9.

Young, D.R., **Jung, T.**, Aranson, R., (2010). Mission--Market Tensions and Nonprofit Pricing. *The American Review of Public Administration* 40, 153-169.

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### ASTRID KANDER

Henriques, S. and **Kander, A.** (2010) The modest environmental relief resulting from the transition to the service economy, *Ecological Economics* 70: 271-282.

## 6.2 BOOKS

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### HANS LANDSTRÖM

**Landström, H.** Handbook of Research on Venture Capital, translated into Chinese, 2010.

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### JERKER MOODYSSON

Henning, M., **Moodysson, J.**, & Nilsson, M. (2010). Innovation och regional omvandling: från skånska kluster till nya kombinationer. Malmö: Region Skåne.

Henning, M., **Moodysson, J.**, & Nilsson, M. (2010). Innovation and Regional Transformation: From Clusters to New Combinations. Malmö: Region Skåne

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### MAGNUS NILSSON

Henning, M., Moodysson, J., and **Nilsson, M.** (2010). Innovation och regional omvandling: från skånska kluster till nya kombinationer. Malmö: Region Skåne.

Henning, M., Moodysson, J., & **Nilsson, M.** (2010). Innovation and Regional Transformation: From Clusters to New Combinations. Malmö: Region Skåne

## 6.3 EDITED BOOKS

### BJÖRN ASHEIM

**Asheim, B.**, Ejerme, O. and Rickne, A. (eds., 2010), *When is Regional 'Beautiful'? Implications for Knowledge Flows, Entrepreneurship and Innovation*, Reprint of *Industry & Innovation*, 16(1), New York: Routledge

### OLOF EJERMO

Asheim, B., **Ejerme, O.** and Rickne, A. (eds., 2010), *When is Regional 'Beautiful'? Implications for Knowledge Flows, Entrepreneurship and Innovation*, Reprint of *Industry & Innovation*, 16(1), New York: Routledge

### HANS LANDSTRÖM

**Landström, H.** and F. Lohrke (eds) (2010), *Historical Foundations of Entrepreneurship Research*, Cheltenham: Edward Elgars.

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### BJÖRN ASHEIM

**Asheim, B. T.** (2010): Learning Regions, in Warf, B. (ed.), *Encyclopedia of Geography*, Sage.

**Asheim, B. T.** (2010): Innovation is small: SMEs as knowledge explorers and exploiters, in Ahrweiler, P. (ed.), *Innovation in Complex Social Systems*. Routledge, London, 110-121.

**Asheim, B. T.** and Mariussen, Å. (2010): Nordisk innovasjonspolitik i et komparativt perspektiv, in Spilling, O. R. (ed.), *Innovasjonspolitik. Problemstillinger og utfordringer*. Fagbokforlaget, Bergen, 51-77.

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**Benner, M.** (2010). Entrepreneurship research: A history of scholarly migration. In Landström, H. and F. Lohrke (eds), *Historical Foundations of Entrepreneurship Research*, Cheltenham: Edward Elgar.

**Benner, M.** (2010). In search of excellence? An international perspective of university governance. In: Göransson, B & Brundenius, C. Eds, *Universities in Transition*. Berlin: Springer.

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### SUSANA BORRÁS

**Borrás, Susana** (2010). Innovationspolitik og institutionel konkurrenceevne i Danmark. kapitel i bogen Kaspersen, Lars Bo; Lund, Joachim; Petersen, Ole Helby (red) *Offentligt eller privat? Historiske og aktuelle udfordringer i politik og økonomi*. København: DJØF. sidder 23-361.

Peters, Guy B. and **Borrás, Susana** (2010). "Governance and European Integration" in Egan, M., Nugent, N. and Paterson, W (eds) *Research Agendas in EU Studies*. London: Palgrave MacMillan, chapter 6, pp. 117-133 ISBN. 978-1-4039-9511-7

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### CRISTINA CHAMINADE

**Chaminade, C.** & Edquist, C. (2010) Rationales for public policy intervention in the innovation process: A systems of innovation approach, in Kuhlman, S., Shapira, P, Smits, R., *Innovation Policy – Theory and Practice*. An International Handbook. Edward Elgar.

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### CHARLES EDQUIST

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## HANS LANDSTRÖM

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**Landström, H.** and M. Benner (2010), 'Entrepreneurship research: a history of scholarly migration', in Landström, H. and F. Lohrke (eds), Historical Foundations of Entrepreneurship Research, Cheltenham: Edward Elgars, pp 15-45.

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Moodysson, J., Coenen, L. and **Asheim, B.T.** (2010). Two Sides of the Same Coin? Local and Global Knowledge Flows in Medicon Valley, in Belussi, F. and A. Sammarra (eds.), Business Networks in Clusters and Industrial Districts: the Governance of the global value chain. Routledge, London, 356-376.

## 6.5 REPORTS

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### BJÖRN ASHEIM

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## 6.6 REVIEWS & POPULARISATIONS

### SUSANA BORRÁS

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## 6.7 PAPERS ACCEPTED 2010

### BJÖRN ASHEIM

**Asheim, B. T.,** Lawton Smith, H. and Oughton, C. (forthcoming 2011): Regional Innovation Systems: Theory, Empirics and Policy. Regional Studies.

**Asheim, B. T.,** Boschma, R. and Cooke, P. (forthcoming 2011): Constructing Regional Advantage: Platform Policies based on Related Variety and Differentiated Knowledge Bases. Regional Studies.

**Asheim, B. T.**, Tödting, F. and Moodysson, J. (eds.) (forthcoming 2011): Constructing Regional Advantage. Special Issue of European Planning Studies.

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Cooke, P., **Asheim, B. T.**, Boschma, R., Martin, R., Schwartz, D. and Tödting, F. (eds.) (forthcoming 2011): The Handbook of Regional Innovation & Growth. Edward Elgar, Cheltenham.

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**Asheim, B. T.**, Ebersberger, B. and Herstad, S. J. (forthcoming 2011): MNCs Between the Local and the Global: Knowledge Bases, Proximity and Distributed Knowledge Networks, in Heidenrich, M. (ed.), Innovation and Institutional Embeddedness of Multinational Companies. Edward Elgar, Cheltenham.

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#### SOFIA AVDEITCHIKOVA

**Avdeitchikova, S.**, The geographic organisation of 'venture capital' and 'business angels', in Landström, H. and Mason, C., Handbook of Research on Venture Capital, Edward Elgar.

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**Borrás, S.** and Radaelli, C. (forthcoming 2011): "The Politics of Governance Architectures: Creation, Change and Effects of the EU Lisbon Strategy" introduction for a special issue on the Lisbon Strategy. Accepted in Journal of European Public Policy. Vol. 18, nr. 4

**Borrás, S.** and Peters, G.B. (forthcoming 2011): "The Lisbon Strategy's Empowerment of Core Executives: Centralising and Politicising EU National Coordination". Accepted in Journal of European Public Policy. Vol 18, nr. 4.

**Borrás, Susana** and Ejrnaes, Anders (2011): "The Legitimacy of New Modes of Governance in the EU: Studying National Stakeholders' Support". Accepted in European Union Politics. Vol 12 nr. 1, March 2011, Print ISSN: 1465-1165

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**Chaminade, C.** Are knowledge-bases enough? A comparative study of the geography of knowledge sources in china (Great Beijing) and India (Pune). A Research briefing. European Planning Studies. Forthcoming 2011.

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**Edquist, C.** Design of Innovation Policy through Diagnostic Analysis: identification of Systemic Problems (or Failures) Accepted (revise and resubmit) in Industrial and Corporate Change.

**Edquist, C. and Hommen L.,** (eds.) *Small Country Innovation Systems: Globalization, change and policy in Asia and Europe* (Edward Elgar 2009) is being translated into Chinese and will be published by Science Press (Beijing) in 2011.

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**Ejermo, O.** & Kander, A. Swedish business research productivity, *Accepted for publication in Industrial & Corporate Change*

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**Gabrielsson, J.** & Politis, D. (forthcoming) Career motives and entrepreneurial decision making: Examining preferences for causal and effectual logics in the early stage of new ventures, Small Business Economics, Online First™, DOI: 10.1007/s11187-009-9217-3.

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#### ASTRID KANDER

**Kander, A.** and Olof Ejermo. Swedish Business Research Productivity, accepted for Industrial and Corporate Change in December 2010, co-author:

**Kander, A.**, Ejermo O. and Svensson M. Henning. The R&D-Growth Paradox Arises in Fast-Growing Sectors, accepted for Research Policy in December 2010, co-authors

**Kander, A.** and P. Warde, Energy availability from livestock and agricultural productivity in Europe, 1815-1913: a new comparison, Economic History Review, Early view: 8 JUL 2010 | DOI: 10.1111/j.1468-0289.2009.00526.x.

#### ROMAN MARTIN

**Martin, R.** and J. Moodysson Innovation in Symbolic Industries: the Geography and Organisation of Knowledge Sourcing. European Planning Studies (forthcoming).

#### JERKER MOODYSSON

Martin, R. & **Moodysson, J.** (2011). Innovation in symbolic industries: the geography and organization of knowledge sourcing. Forthcoming in European Planning Studies.

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Asheim, B. T., Tödtling, F. and **Moodysson, J.** (eds.) (forthcoming 2011): Constructing Regional Advantage. Special Issue of European Planning Studies

#### JON MIKEL ZABALA

Jiménez-Sáez, F., **Zabala-Iturriagoitia, J.M.**, Zofío, J.L., Castro-Martínez, E. (2010). Evaluating research efficiency within National R&D Programmes. Research Policy, in press.

### 6.8 CIRCLE WORKING PAPERS 2010

#### CRISTINA CHAMINADE

**Chaminade, C.** Lundvall, B.A., Vang-Lauridsen, J. and Joseph, KJ. Innovation policies for development: towards a systemic experimentation based approach **WP 2010/1**

Plechero, M., **Chaminade, C.** Different competences, different modes in the globalization of innovation? A comparative study of the Pune and Beijing regions **WP 2010/03**

**Chaminade, C.** Zabala, J.M. and Treccani, A. The Swedish national innovation system and its relevance for the emergence of global innovation networks **WP 2010/09**

**Chaminade, C.,** Plechero, M. From new to the firm to new to the world. Effect of geographical proximity and technological capabilities on the degree of novelty in emerging economies **WP 2010/12**

**Chaminade, C.** Are knowledge-bases enough? A comparative study of the geography of knowledge sources in China (Great Beijing) and India (Pune) **WP 2010/13**

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#### LARS COENEN

**Coenen, L.,** Benneworth, P. and Truffer, B. Towards a spatial perspective on sustainability transitions, **WP 2010/08**

**Coenen, L.,** Suurs, R. and van Sandick, E. Upscaling emerging niche technologies in sustainable energy: an international comparison of policy approaches. **WP 2010/17**

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#### CLAUDIA DE FUENTES

**De Fuentes, C.** and Dutrenit, G. A three-stage model of the Academy-Industry linking process: the perspective of both agents, **WP 2010/06**.

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#### CHARLES EDQUIST

**Edquist, C.** The Swedish Paradox – Unexploited Opportunities! **WP 2010/05**

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#### ROMAN MARTIN

**Martin, R.** & J. Moodysson Innovation in Symbolic Industries: the Geography and Organisation of Knowledge Sourcing, **WP 2010/07**

**Martin, R.,** J. Moodysson & E. Zukauskaitė. Regional Innovation Policy beyond ‘Best Practice’: Lessons from Sweden **WP 2010/14**

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#### JERKER MOODYSSON

Martin, R. & **Moodysson, J.** (2010). Innovation in symbolic industries: the geography and organization of knowledge sourcing, **WP 2010/07**

Martin, R., **Moodysson, J.** & Zukauskaitė, E. (2010). Regional Innovation Policy beyond ‘Best Practice’: Lessons from Sweden, **WP 2010/14**

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#### MONICA PLECHERO

**Plechero, M.,** Chaminade, C. Different competences, different modes in the globalization of innovation? A comparative study of the Pune and Beijing regions, **WP 2010/03**

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#### FRANK VAN DER MOST

**Van der Most, F.** & Van der Meulen, B. Research councils facing new science and technology, **WP 2010/11**

**Van der Most, F.** Use and non-use of research evaluation: A literature review, **WP 2010/16**

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**JON MIKEL ZABALA**

Chaminade, C., **Zabala, J. M.**, Treccani, A. The Swedish national innovation system and its relevance for the emergence of global innovation networks, **WP 2010/9**

Jiménez-Sáez, **F.**, **Zabala, J.M.**, Zofío, J.L. Who leads Research Productivity Change? Guidelines for R&D policy makers, **WP 2010/10**

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**ELENA ZUKAUSKAITE**

**Zukauskaitė, E.:** Innovation in cultural industries: The role of university links, **WP 2010/15**

Martin, R.; Moodysson, J. & **Zukauskaitė, E.:** Regional Innovation Policy beyond 'Best Practice': Lessons from Sweden, **WP 2010/14**



## 7. OTHER ACTIVITIES INVOLVING CIRCLE STAFF

### 7.1 CONFERENCE PARTICIPATION

#### BJÖRN ASHEIM

Workshop on 'Management of Creativity', Department of Economics and Management, University of Padova, February.

Conference on 'Innovation and Institutional Embeddedness of Multinational Companies', University of Oldenburg, February.

Association of American Geographers Annual Meeting, Washington DC., April (The Symbolic Knowledge Base: Potentials for Constructing Regional Advantage)

Conference of Irish Geographers, NUI, Maynooth, May

DRUID Summer Conference, Imperial College, London, June (MNCs Between the Local and the Global: Knowledge Bases, Proximity and Distributed Knowledge Networks)

IGU Conference on 'Wellbeing, Innovation and Spatial Transformation', Groningen, July.

EASST 2010 Conference, Trento, September (Learning work organisations as micro foundation of innovation networks)

RSA Research Network on 'Virtualisation of Space through Inter-Regional Networks', Florence, October (Knowledge Bases, Proximity and Inter-Regional Innovation Networks)

International workshop on 'Understanding the emergence of new industries. Between path dependency and path plasticity, University of Turin, Turin, October

International workshop on 'Exploring the knowledge base of the knowledge economy', CIRCLE, Lund University, Lund, December.

#### SUSANA BORRAS

Paper presented: **Borrás, S.** and Peters, Guy B. "The Impact of the Lisbon Strategy on the National Coordination of EU Policy" at the seminar: The future of Europe and the Lisbon Strategy. Exeter University, UK, 20-22 January 2010.

Paper: **Borrás, S.** "The governance of science and technology (and its gaps)" presented at the International conference: Tentative Governance in Emerging Science and Technology. October 28-29, 2010, University of Twente, The Netherlands.

INGINEUS conference, presentation: The policy implications of the research project INGENEUS, Cape Town, South Africa 1-4th September 2010.

Global Jean Monnet/ECSA-world Conference 2010. "The European Union after the Treaty of Lisbon", Brussels, 25-26 May 2010.

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### SOFIA AVDEITCHIKOVA

Babson Entrepreneurship Research Conference, Lausanne, June, Paper presented: “Who can I rely on? Reliance on different sources of trust in business angel investing” (with Hans Landström and Nils Månsson).

Regional Studies Association Conference, Pésc, May, Paper presented: “Developing business angel policy in different national contexts – some important considerations”.

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### CRISTINA CHAMINADE

Different competences, different modes in the globalization of innovation? A comparative study of the Pune and Beijing regions, Globelics, Kuala Lumpur, November 2010. Selection based on peer review and full paper (co-author M. Plechero).

The changing role of latecomer regions in the global economy & determinants. INGENEUS Mid-term conference, Cape Town, August 2010.

The Swedish national innovation system and its relevance for the emergence of GINs. INGENEUS Mid-term conference, Cape Town, August 2010.

Global Innovation Networks in the ICT industry: Sweden. INGENEUS Mid-term conference, Cape Town, August 2010.

Global Innovation Networks in the automotive industry: Sweden. INGENEUS Mid-term conference, Cape Town, August 2010.

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### LARS COENEN

Towards a spatial perspective on sustainability transitions, Regional Studies Association Winter Conference 2010: Regions and the Environment, London, UK, November 2010 (co-authors P. Benneworth and B. Truffer)

Upscaling emerging niche technologies in sustainable energy: an international comparison of policy approaches, EASST (European Association for the Study of Science and Technology), Trento, Italy, September 2010 (co-authors R. Suurs and E. van Sandick)

Towards a spatial perspective on sustainability transitions AAG (Association of American Geographers) Annual Meeting, Washington DC, US, April 2010 (co-authors P. Benneworth and B. Truffer)

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### CLAUDIA DE FUENTES

De Fuentes, C. and **Dutrénit, G.** (2010). A three-stage model of the Academy-Industry linking process: the perspective of both agents. Globelics International Conference, Kuala Lumpur Malaysia, 1-3 November 2010.

Dutrénit, G., De **Fuentes, C.** and Torres, A. (2010). Channels of interaction between public research organisations and industry and benefits for both agents: evidence from Mexico. Globelics International Conference, Kuala Lumpur Malaysia, 1-3 November 2010.

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## CHARLES EDQUIST

**Edquist, C.,** Zabala., J.M. (2010) A Conceptual Framework for Analyzing the Relations between Demand and Public Procurement for Innovation and between Knowledge-intensive Entrepreneurship and Innovation. DIME-AEGIS Conference, Athens, 29-30 April 2010.

**Edquist, C.,** Zabala., J.M. (2010) Knowledge-intensive entrepreneurship, national systems of innovation and European varieties of capitalism: A conceptual framework. DIME-AEGIS Conference, Athens, 29-30 April 2010.

Explore Workshop on Innovation Studies, Entrepreneurship Studies and STS, CIRCLE, 6-8 December, 2010.

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## OLOF EJERMO

Locked into the ivory tower? Mobility and entrepreneurship among Swedish academics, The Uddevalla Symposium at ERSA, Jönköping, August 19-23, 2010

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## JONAS GABRIELSSON

Collin, S-O, Ahlberg, J. & **Gabrielsson, J.** (2010) Blood in the board room: Family relationships influencing the functions of the board, to be presented at the Företagsekonomisk ämneskonferens (conference in the subject Business Administration), Linné University, Dec, 2, 2010.

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## HØGNI KALSØ HANSEN

ERSA, European Regional Science Association, Jönköping, Sweden, 2010, Presentation of paper

RSA, Annual meeting of Association of Regional Studies, Pech, Hungary, 2010, presentation of paper

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## TOMAS HELLSTRÖM

Session commentator: History of Technology Conference, Lindholmen Science Park November 11.

Session presenter: National Conference on Industrial Economics, Chalmers University of Technology, 12 November

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## TAEHYUN JUNG

“What Drives Strategic Patenting? Evidence from the Georgia Tech Inventor Survey”. Academy of Management Meetings, Montreal, Canada; August 10-12, 2010

“Organizational paths of commercializing patented inventions: The effects of transaction costs, firm capabilities, and collaborative networks” with John Walsh. Academy of Management Meetings, Montreal, Canada; August 10-12, 2010

DRUID Conference, London, UK; June 17-19, 2010

Organization Science Workshop, Bergen, Norway; May 29-30, 2010

Kauffman Entrepreneurship Mentoring Workshop, Atlanta, Georgia; January 5–6, 2010

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## ANA MAFALDA MADUREIRA

**Madureira, A. M.** (2010). Urban Design as a tool in the transformation of cities. 24th Congress of AESOP : Space is Luxury! 7-10 July 2010, Helsinki, Finland

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## ROMAN MARTIN

AAG 2010 - Annual Meeting of the Association of American Geographers, April 14-18, 2010, Washington, DC: Paper presented: "Comparing knowledge bases: on the geography of knowledge flows in the regional innovation system of southern Sweden"

DRUID Summer Conference 2010, June 16-18, 2010, London, UK. Paper presented: "Innovation in symbolic industries: the geography and organisation of knowledge sourcing"

Schumpeter Conference 2010, June 21-24, Aalborg, Denmark. Paper presented: "Innovation in symbolic industries: the geography and organisation of knowledge sourcing"

5th International Seminar on Regional Innovation Policies, October 14-15, 2010, Grimstad Norway: Paper presented: "Regional innovation policy beyond 'best practice': lessons from the case of Skåne"

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## JERKER MOODYSSON

Repositioning of Europe in an era of global transformation, 8th European Urban & Regional Studies Conference, Vienna, Austria: paper and presentation

5th International Seminar on Regional Innovation Policies, Agder University, Grimstad, Norway: paper and presentation

The Annual Meeting of the Association of American Geographers, Washington, DC: two papers and presentations.

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## JOSEPHINE REKERS

Introducing innovations: The geography of market intermediaries in cultural and science-based industries. Presented at the Fifth International Seminar on Regional Innovation Policies, Grimstad, Norway, October 2010

Introducing Innovations: The role of market intermediaries and institutions in culture and science-based industries. DRUID Society Summer Conference 2010, London, UK. June 2010. Nominated for DRUID Best Young Scholar Paper Award 2010

Market development through communities. Special session on "Firms, economies and communities". Presented at the Annual Meeting of the Association of American Geographers, Washington, DC. April 2010

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## LENNART SCHÖN

Paper "Swedish historical national accounts 1570-1800", workshop Venedig April.

Paper "Swedish historical national accounts 1570-1800", World Economic History Congress Utrecht August.

Commentator The European Historical Economics Society Conference, Geneva September.

Seminar ekonomisk-historiska institutionen Göteborg april.

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### FRANK VAN DER MOST

**Van der Most, F.** (2010) Effects and non-use of research evaluation: A literature review (Draft). Paper presented at the EASST conference, 2 - 4 September 2010, Trento, Italy

**Van der Most, F.** (2010) Gearing research councils towards funding of emerging science and technology. Extended abstract presented at the international conference 'Tentative governance in emerging science and technology actor constellations, institutional arrangements & strategies'. 28-29 October, 2010, University of Twente, The Netherlands

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### JON MIKEL ZABALA

**Zabala, J.M.,** Edquist, C. (2010). Measuring the innovativeness. Workshop on Rhetoric of Innovation in Contemporary Society, University of Helsinki 8-9, February 2010.

Edquist, C., **Zabala, J.M.** (2010) A Conceptual Framework for Analyzing the Relations between Demand and Public Procurement for Innovation and between Knowledge-intensive Entrepreneurship and Innovation. DIME-AEGIS Conference, Athens, 29-30 April 2010.

Edquist, C., **Zabala, J.M.** (2010) Knowledge-intensive entrepreneurship, national systems of innovation and European varieties of capitalism: A conceptual framework. DIME-AEGIS Conference, Athens, 29-30 April 2010.

**Zabala, J.M.** (2010) Evaluating Research Productivity within National R&D Programmes. EASST Conference 2010 'Practicing Science and Technology, Performing the Social'. University of Trento, Italy, 2-4 September 2010.

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### ELENA ZUKAUSKAITE

5th International Seminar on Regional Innovation Policies: University of Agder, Grimstad, Norway 14-15 October 2010: paper and presentation. With Martin, R. & Moodysson, J.

## 7.2 CONFERENCE ORGANIZING

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### BJÖRN ASHEIM

Organisation of special sessions on 'Deconstructing Regional Advantage: Comparative Perspectives on Knowledge Bases and Innovation Systems', AAG Annual Meeting, Washington DC., April

Organisation of track on 'Innovation networks and real-world experimentation', EASST 2010 Conference, Trento

Organisation (and chair) of special session on 'Knowledge networks and innovation policy', Eight European Urban and Regional Studies Conference, Vienna, September

Organisation of the 2<sup>nd</sup> European PhD course in Economic Geography on 'Geography of knowledge, networks and cluster', Utrecht University, Utrecht, September/November.

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### LARS COENEN

Organized track on 'System Innovations and Transitions to Sustainability' at EASST (European Association for the Study of Science and Technology), Trento, Italy, September 2010. (co-organized with J. Farla, J. Markard and R. Raven)

Organized track on 'geography of sustainability transitions' at AAG (Association of American Geographers) Annual Meeting, Washington DC, US, April 2010 (co-organized with B. Truffer)

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### ASTRID KANDER

I organized the FIG workshop at CIRCLE in Lund, with international participants, on the 29<sup>th</sup> of October 2010.

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### HANS LANDSTRÖM

Workshop Series on Entrepreneurship Teaching

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### JERKER MOODYSSON

Deconstructing Regional Advantage: Comparative Perspectives on Knowledge Bases and Innovation Systems. Special session at the Annual Meeting of the Association of American Geographers, Washington, DC

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### JON MIKEL ZABALA

Member of the Scientific Committee of the First International Conference on European Transnational Education (ICEUTE 2010)

## 7.3 INVITED SPEAKER AND GUEST LECTURES

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### BJÖRN ASHEIM

Ekonomiaz' seminar on 'Regional Innovation Policy', Bilbao, March.

Workshop of the Sectoral Innovation Watch and the European Cluster Observatory, Brussels, May.

InterTradelreland All-island Innovation Programme's 2010 Annual Conference on 'Building Collaborative Networks for Innovation', University College Dublin, Dublin, June.

International Technology Innovation Management and Policy Symposium on 'Industrial Cluster and Innovation', Chinese Academy of Social Sciences (CASS), Changsa, August.

International Conference in Applied Economics, Athens, August.

2<sup>nd</sup> European PhD course in Economic Geography, Utrecht University, Utrecht, September.

Seminar, Research Council of Norway, Oslo, September.

Seminar, Norwegian School of Management, Oslo, October.

5<sup>th</sup> International Seminar on Regional Innovation Policy, University of Agder, Grimstad, Norway, October.

Knowledge Cities World Summit, Session on 'Creativity, Innovation, Technology and Learning Communities', Melbourne, November.

International Forum on Regional Development 2010. Ministry of Knowledge Economy, Seoul, November.

Stavanger Centre for Innovation Research, University of Stavanger, December.

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#### CRISTINA CHAMINADE

Invited speaker at the High Level Ministerial conference in S&T, European Commission, Brussels, June 2010. [http://ec.europa.eu/research/social-sciences/events-107\\_en.html](http://ec.europa.eu/research/social-sciences/events-107_en.html)

Invited lecturer in the VINNOVA Advanced International Training Programme in the Field of Strategies for Innovation-led Sustainable Growth. Course for policy makers, Bangkok, February 2010.

Invited speaker at the European Commission Special meeting on Europe 2020 Strategy. Brussels, January 2010.

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#### LARS COENEN

Graduate Program in Sustainability Science (GPSS), Graduate School of Frontier Sciences, University of Tokyo, Japan, March 2010

Lund University Biofuels, workshop on cross-disciplinary research opportunities, Lund, October 2010

Greenchem final conference: Industrial Biotechnology-A platform for sustainable growth in Sweden, Invited speaker and discussion moderator, Lund, November 2010

Stockholm Resilience Centre, Stockholm University, Sweden, December 2010

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#### CLAUDIA DE FUENTES

Discussant of the papers: Beyond the economics of brain drain and Leveraging knowledge for development in an Australian/South East Asian neighbourhood, during the session Knowledge, Meso Organizations and Development, at the Globelics International Conference, Kuala Lumpur Malaysia, 1-3 November 2010.

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#### CHARLES EDQUIST

Presentation at the "2010 Sweden-China Innovation Forum – 60 Years of Diplomatic Relations" on "The Role of the State in Stimulating Innovations", Beijing, May 21, 2010.

Key-Note speaker at the Fourth National Conference on Science, Technology and Innovation, organized by the Brazilian Ministry of Science and Technology with a paper entitled "Design of Innovation Policy: How to Create an Innovative Society in a Globalized World", Brasilia, May 26-28, 2010.

Panelist at the seminar "Six years of Innovation Research – what have we learnt?" organized at The Swedish Agency for Innovation Systems (VINNOVA), Stockholm March 4, 2010.

Presentation entitled “Design of Innovation Policy through Diagnostic Analysis: Identification of systemic Problems (or Failures), at the Department of Political Science, Gothenburg, April 19, 2010.

Speaker and commentator on the 16<sup>th</sup> SPRU DPhil Day, Freeman Centre, Brighton, UK, May 28, 2010.

Presentation entitled “Reflections on Innovation Policy” for VINNOVA leaders at The Swedish Agency for Innovation Systems, September 24, 2010.

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#### OLOF EJERMO

Nov. 29, 2010, Invited speaker for the launch of the Swedish Economic Forum report in Stockholm. I presented my chapter on Trends in Swedish Research productivity.

Nov. 3, 2010, Invited speaker to the seminar series of Jena Economic Research Seminar (JERS) as part of the Doctoral programme on the Economics of Innovative Change, organized by Max Planck Institute, University of Jena, University of Applied Sciences, Jena, Germany

Oct. 13, 2010, Invited speaker at Breakfast seminar, VINNOVA presenting the report Effects of VINNOVA Programmes on Small and Medium-sized Enterprises - the cases of Forska&Väx and VINN NU (see publication list)

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#### TOMAS HELLSTRÖM

Presenter on IVA hearing: Agenda för forskning. September 13 2010

Invited paper presenter: Center for Business Innovation Seminar Series. October 29

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#### TAEHYUN JUNG

“What Drives Strategic Patenting? Evidence from the Georgia Tech Inventor Survey”, presentation at Korea Institute of Science and Technology Information (KISTI), Seoul; July 22, 2010

“What Drives Strategic Patenting? Evidence from the Georgia Tech Inventor Survey”, presentation at Korea Advanced Institute of Science and Technology (KAIST), Graduate School of Science and Technology Policy, Daejeon; November 9, 2010

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#### ASTRID KANDER

Invited speaker at interdisciplinary PhD course, organized by Linköping University and IMES, on September 29<sup>th</sup>.

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#### HANS LANDSTRÖM

Keynote speeches:

“Entrepreneurship: past, present and future”, FNEGE Conference, Bordeaux, France

“Teaching entrepreneurship: experiences from Sweden”, Entrepreneurship Teaching Conference, Helsinki, Finland

“Roots of Entrepreneurship Research”, ESU Summer University Conference, Tartu, Estonia



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### ANA MAFALDA MADUREIRA

Invited speaker at the conference Kommunal Teknik 2010, organized by Svenska Kommunal – Tekniska Föreningen. 9<sup>th</sup> September 2010

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### ROMAN MARTIN

Seminar at Urban and Regional Research Centre Utrecht (URU), Utrecht University, January 22, 2010: "Efficiency of industrial R&D in the European regions"

Seminar at CIRCLE on March 23, 2010: "The geography of knowledge sourcing in symbolic industries: monitoring, mobility and collaboration in the moving media"

Seminar at CIRCLE on December 14, 2010: "Comparing knowledge bases: on the geography of knowledge flows in the regional innovation system of southern Sweden"

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### JERKER MOODYSSON

En regional politik för innovation och omvandling. Presentation at Centrum för kommunstrategiska studier, Linköpings universitet, April 22.

En regional politik för innovation och omvandling: lärdomar från Skåne. Presentation at the Norwegian Research Council, VRI-samling, November 17.

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### MAGNUS NILSSON

Key note speaker at Food Cluster Initiative Conferences, Gent, Gent University, December 9

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### LENNART SCHÖN

Lecture Sydsvenska Industri & Handelskammaren, januari Helsingborg

Lecture Sydsvenska Industri & Handelskammaren, januari Malmö

Lecture vid Einar Mattsons styrelseseminarium, januari Stockholm

Lecture Färs och Frosta konferens, mars Färs och Frosta Arena Lund

Lecture Region Dalarna seminarium, mars Falun

Lecture NUTEK konferens Framtidens näringsliv Västsverige, mars Göteborg

Lecture Kommunhuset Landskrona, mars Landskrona

Lecture Sydsvenska Industri & Handelskammaren, april Halmstad

Lecture på Sparbanken Finns årsstämma, maj Grand hotell Lund

Lecture på Fastighetsvärdens seminarium, maj Grand hotell Stockholm

Lecture seminarium, maj Alfa Laval Lund

Lecture Danske Bank, juni Turning Torso Malmö

Lecture Sydsvenska Industri & Handelskammaren, juli Almedalen Visby

Lecture Nordeas kundträff, september Lund

Lecture konferensen Tuffa tider, september stadsbiblioteket Malmö

Lecture för Sparbanken Möre, Norge, september Scandic hotel Lund

Lecture Stena Line seminarium, september Gothia Tower Göteborg

Lecture Aktiespararnas förening, november Östanåskolan Eksjö

Lecture Lärarseminarium, november Arbetets museum Norrköping

## 7.4 ACADEMIC ASSIGNMENTS

### BJÖRN ASHEIM

Deputy director of CIRCLE

Professor II, University of Agder, Kristiansand, Norway

Visiting professor, National University of Maynooth, Ireland

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

Member, International Advisory Board, Innovation System Research Network, Canada (organized by University of Toronto, and running a 5-year all Canadian research project)

Member, Scientific Advisory Board, KITE (Centre for Knowledge, Innovation, Technology and Entrepreneurship), University of Newcastle Business School

Member of examination committee for PhD thesis, Department of Human Geography, Lund University.

Supervision: Six students (Roman Martin, CIRCLE, Monica Plechero, CIRCLE, Elena Zukauskaitė, CIRCLE, Tore Anton Dobloug (external), Ingrid Graman Johnsen, University of Agder, and Marianne Berge, University of Agder. All follow the PhD program in economic geography at the Department of Human Geography, Lund University.

### SUSANA BORRAS

Member of the Danish Research Policy Council, advising the Danish Minister (August 2010- today)

President of the Danish Society for European studies ECSA-DK (Dansk Selskab for Europaforskning - DSE) (2005-today). Board member since 1999. <http://www.ecsa.dk/>

Director and founder of the Jean Monnet EU Center of Excellence at Copenhagen Business School (September 2010- today). Financed by the European Commission.

European editor of the international peer reviewed journal "Science and Public Policy" indexed in the Science Citation Index (2006-today)

Board member of the program FORFI, The Research Council of Norway (2010-today)

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### CRISTINA CHAMINADE

Member of the Ledningsgrupp (Board of Directors) of CIRCLE, Lund University. 2010

Member of the Committee for Visiting Researchers, CIRCLE, Lund University

Evaluator of research proposals for the National Research Foundation of Korea (NRF). September 2010.

Member of the Assessment committee for a position of Associate Professor at GIBS Business School of the University of Pretoria, May 2010.

Supervision: Monica Plechero, PhD program in economic geography at the Department of Economic Geography, Lund University (First supervisor); Astrid Szogs, PhD program at the Division of Innovation, LTH, Lund University (First supervisor) and Jens Sörvik, PhD program at the Research Policy Institute (Second Supervisor).

Supervision of Pranpreya Sriwanit and Hjalti Nielsen, ESST Master Program, Lund University.

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### LARS COENEN

Invited member of review board for the European Roundtable on Sustainable Consumption and Production in Delft, the Netherlands, October 2010

Member of the steering group for Sustainability Transitions Research Network

Secondary supervisor for PhD student Jens Sörvik at Research Policy Institute, Lund University, Sweden (first supervisor Prof. C. Brundenius)

Secondary supervisor for PhD student Christian Binz at CIRUS (EAWAG), Switzerland (first supervisor Dr. B. Truffer).

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### CHARLES EDQUIST

Director of The Centre for Innovation, Research and Competence in the Learning Economy (CIRCLE), Lund University during 2010. ([www.circle.lu.se](http://www.circle.lu.se))

Member of the editorial board of Science and Public Policy.

Member of the 'Scientific Forum' of 'Forum för Småföretagsforskning' (FSF; 'Swedish Foundation for Small Business Research').

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

Advisor to the University of Lillehammer, Lillehammer, Norway in their effort to develop a PhD programme in Innovation Studies.

Participated in a meeting to create a European Association of studies on policies for research and innovation Studies called the Eu-SPRI Forum, Amsterdam, September 3, 2009.

Coordinator of CIRCLEs participation in the EU FP 7 project 'Advancing Knowledge-intensive Entrepreneurship & Innovation for Economic Growth and Social Well-being in Europe (AEGIS), coordinated by Franco Malerba (Milan) and Yannis Caloghirou (Athens).

Member of the Editorial Advisory Board of the journal Innovation and Development.

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#### OLOF EJERMO

Associate Professor (Docent) in Innovation Economics, School of Economics and Management at LU

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#### TOMAS HELLSTRÖM

Member of CIRCLE's leadership group

Director of Studies at CIRCLE

Director of the PhD programme CIRCLE

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#### ASTRID KANDER

Board member of Centrum för miljö- och klimatforskning (CEC) at Lund University.

Director for the interdisciplinary platform LEGS at Lund University ([www.ekh.lu.lu/legs](http://www.ekh.lu.lu/legs))

PhD Defence Committee (2010), Evelin Urbel, The Estonian forest sector in transition to sustainability? Capturing sustainability with the help of integrated assessment. LUCSUS, Lund University

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#### HANS LANDSTRÖM

Reviewer: Professorship in Entrepreneurship, at the Department of Management at the Aarhus School of Business, Aarhus University, Denmark (eight applicants).

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#### JERKER MOODYSSON

Member of expert panel for the Norwegian Research Council

Supervision of doctoral students Roman Martin and Elena Zukauskaitė

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#### MAGNUS NILSSON

Research proposal opponent, Peter Frankel, Dept. of Business Admin, Lund University

Supervision: Clarissa Sia Ljungström, Dept. of Business Admin, Lund University

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#### JON MIKEL ZABALA

Member of the External Evaluation Committee of the PhD dissertation by Daniel Gabaldón Esteban about the "El Sistema Distrital de Innovación Cerámico de Castellón". University of Valencia, March 2010.

Member of the External Evaluation Committee of the PhD dissertation by Eva Parga Dans about the “Innovación y Emergencia de un Servicio Intensivo en Conocimiento: el caso de la arqueología comercial”. Santiago de Compostela University, October 2010.

## 7.5 THIRD MISSION, SOCIETAL INTERACTION

### BJÖRN ASHEIM

Invited speaker, Interreg IV A conference, Oslo, January.

International expert in workshop on ‘Economic and social impact of software and software-based services’, EU, Brussels, February.

Invited speaker, Regional Knowledge Economy conference, Economic Development Board Rotterdam on ‘Higher Education in Regional and City Development’, Rotterdam, September.

Invited speaker at OECD Roundtable Meeting on Higher Education in Regional and City Development, Paris, September.

International expert for UNIDO, Ministry of Knowledge Economy, South Korea, Department of Economic Development, Abu Dhabi, and Technopolis/VINNOVA.

### SOFIA AVDEITCHIKOVA

Board member of CONNECT East

Principal evaluator of Cleantech Inn Sweden, an acceleration programme for Cleantech SMEs, on behalf of Teknopol.

Principal evaluator of the Swedish Co-investment Fund Initiative, on behalf of the Swedish Agency for Economic and Regional Growth.

Principal consultant in a Private Sector Development feasibility study in Belarus, on behalf of Swedish International Development Cooperation Agency.

Participated as an expert in an international study of SME’s access to finance on behalf of the Swedish Agency for Growth Policy Analysis.

### SUSANA BORRAS

Member of the Expert Group for the mid-term evaluation of EU’s FP7 March-November 2010.

### CRISTINA CHAMINADE

Invited expert to the UNCTAD ad-hoc expert group meeting on STI Policy Reviews, Geneva, December 2010.

### LARS COENEN

Member of Knowledge Exchange Forum for Region Skåne

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## CHARLES EDQUIST

Presented a paper entitled “The Swedish Paradox – Unexploited Opportunities!” at a seminar on “Innovation Driven Growth”, organized by Innovationsbron at Almedalen, Visby, July 6 2010.

Participated in a panel discussion organized by Lund University, at Almedalen, Visby, July 6, 2010.

Was a member of Studieförbundet Näringsliv och Samhälle, SNS (The Centre for Business and Policy Studies) during 2010. 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.

During 2009 was an ‘IMIT fellow’, i.e. fellow of The Institute for the Management of Innovation and Technology (IMIT). IMIT is a Scientific Institute. Its aim is to pursue and promote research and development in technical and industrial renewal and administration, as well as participating in training in this sphere.

In 2009 was a member of Uppfinnarkollegiet (‘The Inventor’s College’) in Stockholm, which involves close interactions with representatives from industry and other parts of society.

Served, during 2009, as an advisor to Copenhagen Economics in their task of preparing a report entitled ‘Can Public Procurement Spur Innovations in Health Care’ for the Swedish Agency for Innovation Systems (VINNOVA).

Gave a presentation entitled “Innovationer – Vad mer än FoU krävs?”, at a seminar organized by Svenskt Näringsliv, January 19, 2010.

Presentation on “How to Create an Innovative Society: Innovation Policy and Innovation Research”, The EXPO 2010, World Fair, Shanghai, October 21, 2010.

Presentation on “CIRCLE at Lund University” organized at The Swedish Pavilion, Shanghai World Fair, October 21, 2010.

Gave a presentation on the course “The ABC of Innovation Journalism”, Ideon, Lund, January 18, 2010.

Was interviewed by the innovation Internet newsletter Rapidus, November 9, 2010.

Was referred to in the daily newspaper Kvällsposten, January 20, 2010.

Gave a presentation entitled “Is Sweden a strong Innovation Country?” organized by CONNECT Skåne, Lund, November 26, 2010.

Interview entitled “Strong Demand for Knowledge about Innovations” in Lund University Magazine (LUM) Nr 10, 2010.

Interview entitled “Innovations Producing Growth” in the Magazine INBLICK, June 2010.

Interview entitled “CIRCLE Attracts Foreign Talent” in the magazine ENTRÉ, 4, 2010.

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## JONAS GABRIELSSON

Tillbaka till framtiden: om avknoppningar från svenska universitet och högskolor - popular lecture given at Estrad, Stockholm, January 2010.

Jakten på entreprenören - popular lecture given at CONNECT breakfast meeting. Lund, April 2010.

Entreprenöriellt lärande – popular lecture given at Entreprenörskapsforum. Stockholm, June 2010.

Ta vara på drivkraften hos unga människor - Interview about research on entrepreneurial learning, published in May 2010 at forskning.se, a nationwide website that provides information on research and research findings in Sweden. The interview can be found under the theme 'Entreprenörskap i skolan'.

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#### ASTRID KANDER

In September 2010 I spoke at a panel debate about environmental history at Göteborg Book Fair.

Interviewed for Sydsvenskan 2010 02 07

Meetings and discussions with Tillväxtanalys and VINNOVA

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#### HANS LANDSRÖM

LNC Seminar, IDEON, 6 May 2010

Entrepreneurial Day, 16 November 2010

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#### ANA MAFALDA MADUREIRA

Invited speaker at the conference Kommunal Teknik 2010, organized by Svenska Kommunal – Tekniska Föreningen. 9<sup>th</sup> September 2010

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#### JERKER MOODYSSON

Presentations and participation at Kunskapsutbytesforum a series of workshops organized by Region Skåne, department of Clusters and Innovation Systems.

Member of the reference group for ØRUS – Regional Utvecklingsstrategi för Øresundsregionen, by Øresundskommittéen.

Effects of VINNOVA Programs on Small and Medium Sized Enterprises – the cases of Forska&Väx and VINN NU. Report to VINNOVA (with K. Bergman, O. Ejerme, J. Fischer, O. Hallonsten and H. Hansen).

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#### MAGNUS NILSSON

Kunskapsutbytesforum a series of workshops organized by Region Skåne, department of Clusters and Innovation Systems.

## 7.6 EXTERNAL RESEARCH CONTACTS

### BJÖRN ASHEIM

Editorial board Economic Geography

Editorial board Journal of economic Geography

Editorial board European Planning Studies

Referee: Economic Geography

Referee: International Journal of Urban and Regional Research

Referee: European Planning Studies

Referee: Regional Studies

Referee: Industry and Innovation

### SOFIA AVDEITCHIKOVA

Referee: Entrepreneurship and Regional Development

Referee: European Planning Studies

### SUSANA BORRAS

Editor of "Science and Public Policy" – since 2006

Editorial board of "European Journal of Risk Regulation"

Visiting fellow, Sciences-Po, Paris, France, November 2010

Referee: Research Policy

Referee: Governance. An International Journal of Policy, Administration and Institutions

Referee: Industrial and Corporate Change

Referee: International Review of Administrative Sciences

Referee: Journal of European Public Policy

### CRISTINA CHAMINADE

Steering Committee of the EU project INGINEUS.

Editor of the Journal of Innovation and Development

Editorial Board of African Journal of Science, Technology, Innovation and Development (AJSTID)

Editor of the CIRCLE Electronic Working Paper Series since 2005



Referee: Industry and Innovation

Referee: Environment and Planning A

Referee: Science and Public Policy

Referee: Research Policy

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### LARS COENEN

Referee: Science and Public Policy, Papers in Regional Science, Innovation: Management, Policy & Practice, Geografiska Annaler B, Technology Forecasting and Social Change, Energy Efficiency, Journal of Small Business Management, Journal of Cleaner Production, European Urban and Regional Studies, European Planning Studies

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### CLAUDIA DE FUENTES

Referee: Research Policy

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### CHARLES EDQUIST

Participated in a High Level Advisory Group (HLAG) Meeting for a study on “Analysing and Evaluating the Impact on Innovation of Publicly Funded Research Programmes” carried out for DG Research, European Commission by Intrasoft International S.A., Luxembourg, Vienna, April 16, 2010.

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### OLOF EJERMO

Referee: for European Planning Studies

Referee: for Regional Studies (twice)

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### JONAS GABRIELSSON

Referee: Journal of Management and Governance

Referee: Journal of Management Studies

Referee: Small Business Economics

Referee: International Journal of Entrepreneurial Behaviour and Research

Referee: International Journal of Management Reviews

Referee: International Small Business Journal

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### HØGNI KALSØ HANSEN

Referee: Cities

Referee: Economic Geography

Referee: European Planning Studies

Referee: Industry and Innovation

Referee: International Review of Law and Economics

Referee: Journal of Economic Geography

Referee: Journal of Regional Science

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### TOMAS HELLSTRÖM

Program Reviewer ANR (de l'Agence Nationale de la Recherche)

Referee: Journal of Urban Technology

Referee: Social Epistemology

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### TAEHYUN JUNG

Referee: Research Policy

Referee: Academy of Management Meetings (BPS and TIM)

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### ASTRID KANDER

Referee (2010) for Ecological Economics, Energy Economics, Economic History Review and European Review of Economic History.

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### HANS LANDSTRÖM

Editorial board Entrepreneurial and Regional Development

Editorial board Journal of Venture Capital

Editorial board Piccola Empresa

Referee: Entrepreneurship Theory and Practice

Referee: Journal of Small Business Management

Referee: Journal of Venture Capital

Referee: Entrepreneurship and Regional Development

Referee: International Journal of Entrepreneurial Venturing

Referee: Journal of Business Venturing

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### JERKER MOODYSSON

Referee: Economic Geography

Referee: Entrepreneurship and Regional Development

Referee: European Planning Studies

Referee: Geography Compass

Referee: International Small Business Journal

Referee: Industry and Innovation

Referee: Research Policy

Referee: Regional Studies

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### MAGNUS NILSSON

Referee: European Planning Studies

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### JOSEPHINE REKERS

Referee: City, Culture and Society

Referee: Danish Journal of Geography

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### FRANK VAN DER MOST

Referee: Research Policy

Weblog: <http://www.researchaffairs.net/>

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### JON MIKEL ZABALA

Referee: International Journal of Innovation and Regional Development.

## 7.7 PRIZES AND AWARDS

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### SUSANA BORRAS

Jean Monnet Center of Excellence at Copenhagen Business School (2010-2015, 5 years) awarded by the European Commission's Life Long Learning Program for European Union studies.

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### MAGNUS NILSSON

Wallander grant, Handelsbankens forskningsstiftelser, personal research grant full time 3 years, 1 215 000 msek.

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### HANS LANDSTRÖM

Awarded as the Sixth Fellow of the European Council for Small Business and Entrepreneurship.

## 7.8 TEACHING AT OTHER UNITS AT LUND UNIVERSITY

### BJÖRN ASHEIM

EHL: 4 hours teaching, Master course in 'Economics of Innovation' (administrated by Economic History)

### SOFIA AVDEITCHIKOVA

LTH: teaching 40 hours, course administration 25 hours

EHL: supervision 20 hours

### LARS COENEN

EHL: Teaching 92 hours

### CLAUDIA DE FUENTES

Part-time professor at the Faculty of Social Sciences, at the University of Ottawa, Canada. Teaching, course development and administration 160 hours.

### OLOF EJERMO

EHL: Teaching hours, course development and administration total 433 hours.

### JONAS GABRIELSSON

EHL: Teaching 183 hours, supervision 81 hours.

### HØGNI KALSØ HANSEN

CIRCLE (ESST): teaching 12 hours, course administration 6 hours, supervision 15 hours

Department of Social and Economic Geography: Teaching, course development, supervision and administration add up to 354 hours.

### TOMAS HELLSTRÖM

LTH: teaching 24 hours, Supervision, 25 hours, course planning 10 hours

### ANA MAFALDA MADUREIRA

Blekinge Tekniska Hogskola: teaching 62 hours, course administration 45 hours, supervision 50 hours

Blekinge Tekniska Hogskola & Universidade Federal Do Amazonas (Federal University of Amazonas, Brazil): Teaching 120 hours, course development and administration 30 hours.

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### JERKER MOODYSSON

Dept. of Social and Economic Geography (SamFak): teaching 20 hours, course administration 16 hours, supervision 16 hours.

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### MAGNUS NILSSON

EHL: Teaching circa 80 hours

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### JON MIKEL ZABALA

Faculty of Social Sciences: Teaching: 16h, Course administration: 64h, supervision: 30h.

## 7.9 RESEARCH COLLABORATION WITH OTHER UNITS AT LUND UNIVERSITY

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### SOFIA AVDEITCHIKOVA

Joint conference presentation: Hans Landström (CIRCLE/EHL), Nils Månsson (EHL)

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### CRISTINA CHAMINADE

Joint applications: Bo Göransson (RPI)

Project collaborations: Bo Göransson (RPI)

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### OLOF EJERMO

Joint applications: Lennart Schön (EHL) et al.

Project collaboration: Karin Bergman (EHL)

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### TOMAS HELLSTRÖM

Joint applications: Gustav Holmberg (EHL); Merle Jacob (EHL)

Project collaboration: Rikard Stankiewicz (EHL)

Joint publications: Merle Jacob (EHL)

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### JERKER MOODYSSON

Joint application: Olof Hallonsten (EHL)

Project collaboration: Martin Henning (SamFak); Olof Hallonsten, Karin Bergman (EHL)

Joint publication: Martin Henning (SamFak)

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## MAGNUS NILSSON

Project collaboration: Clarissa Sia Ljungström (EHL)

Joint publications: Martin Henning (SamFak)

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## FRANK VAN DER MOST

Joint application: Olof Hallonsten (RPI); Sverre Spoelstra (EHL)

*In total CIRCLE has joint research and teaching positions financed in collaboration with units outside CIRCLE at Lund University in 14 cases.*

Centre for Innovation, Research  
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