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# Annual Report 2015

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# Annual Report 2015

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

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## ABOUT CIRCLE

CIRCLE is an interdisciplinary center for innovation research spanning several faculties at Lund University.

Our aim is to understand and explain how innovation can contribute to a good society and tackle societal challenges like economic crises, climate change or increased globalization of economic activities. This aim requires advanced insights into how knowledge is created and diffused in organizations, networks, regions, countries, and globally; how knowledge is turned into innovations; and which societal conditions promote the creation and diffusion of innovation.

Research at CIRCLE is currently organized in five interconnected thematic areas: (1) Innovation and Entrepreneurship, (2) Globalization of Innovation, (3) Innovation and Sustainability Transitions, (4) Innovations Skills, Strategies and Industry Renewal, and (5) Innovation Systems and Innovation Policy. Each platform hosts different research projects; most researchers at CIRCLE are involved in several platforms.

Education at CIRCLE is conducted in close cooperation with the Social Science Faculty, the School of Economics and Management, and the Faculty of Engineering.

CIRCLE was established in 2004 by six professors at Lund University and Blekinge Institute of Technology, drawing on a long-term grant from Vinnova (the Swedish Agency for Innovation Systems) and matching funding from Lund University. During its first decade CIRCLE expanded from less than 10 to more than 50 employees.

In 2006, CIRCLE was awarded a 10 year Linnaeus Grant by Vetenskapsrådet (the Swedish Research Council). This grant was of strategic importance for CIRCLE's development to become one of the leading research milieus in Europe within its area of study.

### **CIRCLE in numbers**

Employees (FTE): 35

Professors: 8

PhD students: 9

Annual turnover: 38 MSEK

External funding: 80 %

## RESEARCH AT CIRCLE

During 2015, CIRCLE researchers published 100 peer-review journal articles, 6 books, 32 book chapters and 44 CIRCLE working papers (downloadable at <http://www2.circle.lu.se/publications/working-papers/>). Total budget for research in 2015 was 38MSEK, the major share of which – 27 MSEK – is from external funding.

During the year, CIRCLE researchers have held editorships at some of the most influential scientific journals. These include:

- Martin Andersson: Editor-in-Chief of *Annals of Regional Science*
- Ron Boschma: Editor of *Cambridge Journal of Regions, Economy and Society* and Associate Editor of *Regional Studies*
- Cristina Chaminade: Editor of *Innovation and Development*
- Michaela Trippel: Editor of *Papers in Regional Science*

CIRCLE covers a range of research topics in Innovation Studies which are organized around 5 research platforms: (1) Innovation and Entrepreneurship (coordinator Prof. Åsa Lindholm-Dahlstrand); (2) Innovation Skills, Strategies and Industry Renewal (coordinator Prof. Martin Andersson); (3) Innovation Systems and Innovation Policy (coordinator Ass. Prof. Michaela Trippel); (4) Globalization of Innovation (coordinator Prof. Cristina Chaminade); and (5) Innovation and Sustainability Transitions (coordinator Prof. Lars Coenen). Platforms interact and collaborate because Innovation Studies is a research field that is inter-disciplinary by nature, and most staff at CIRCLE are involved in more than one platform.

### INNOVATION AND ENTREPRENEURSHIP

The platform innovation and entrepreneurship focuses on linking together the two areas of entrepreneurship and innovation. To increase knowledge about what creates and drives economic growth requires a greater understanding of the role of entrepreneurship in the innovation processes. The platform activities have focused on research that analyses the utilization and commercialization of new technologies with a specific focus on external entrepreneurs as a central mechanism for the commercialization of academic research.

### INNOVATION SKILLS, STRATEGIES AND INDUSTRY RENEWAL

The research platform on Innovation Skills, Strategies and Industry Renewal focuses on the interplay between innovation processes, evolution of firms' competitive advantages and industrial dynamics, and economy-wide consequences of these processes. A large part of the platform's research consists of quantitative analyses of innovation and economic change using longitudinal micro-level data on individuals, firms and sectors.

### INNOVATION SYSTEMS AND INNOVATION POLICY

The research platform on Innovation Systems and Innovation Policy focuses on the role of innovation in improving the competitiveness of industries, sectors, regions, and nations in the globalizing knowledge economy. The platform studies the institutions and networks of organizations in the public and private sectors whose activities and interactions influence innovation processes. From a policy perspective, the platform researches how an optimal collaboration between important stakeholders in an innovation system, i.e. industry, university and government/public sector can be achieved through various types of innovation policies on different geographical levels.

## GLOBALIZATION OF INNOVATION

Research in the Globalization of Innovation platform focuses on the global dimension of innovation processes. The aim of this research area is to conceptualize global innovation networks (GINs) and understand the dynamics and impact of global innovation networks on firms and regions. Of particular interest is analysing the interplay between micro (firm) and meso (region) characteristics and different forms of GINs including global research collaboration, global sourcing of knowledge and offshoring of R&D and innovation, as well as their impact in terms of innovation, wellbeing and growth.

## INNOVATION AND SUSTAINABILITY TRANSITIONS

This platform research seeks to identify drivers and barriers of eco-innovation. Following sustainable transitions theory, eco-innovation is often part of wider co-evolutionary processes of transformative change in institutions, industrial structures and markets. Eco-innovation and sustainable transitions pose new challenges with regard to the design, implementation and evaluation of innovation policies focusing, for example, on the role of demand based policies and coordination with other policy domains. Until recently, spatial dimensions of eco-innovation and sustainable transitions have been largely ignored. This aspect is therefore particularly emphasized in this platform.

## TEACHING AT CIRCLE

CIRCLE has continued providing master and PhD level education in collaboration with other faculties at Lund University as well as other universities. At the end of 2015 CIRCLE had 9 PhD students. Three new PhD students started their PhD studies in 2015 – Yana Borissenko, Johan Miörner and Palina Sauchanka. CIRCLE together with the Norwegian Business School and Norwegian University of Science and Technology has also been actively involved in the Norwegian Research School in Innovation (NORSI). NORSI consists of two PhD programs – Program in Innovation Management and Innovation Strategy (PIMS) and Program in Innovation and Growth (PING). Prof. Bjørn Asheim is the program director for NORSI-PING. Other researchers at CIRCLE (M. Andersson, P. A. Balland, L. Coenen, O. Ejeremo, J. Fagerberg, Å. Dahlstrand-Lindholm, J. Moodysson, T. Schubert, M. Srholec and M. Trippel) were involved in the designing and teaching of PhD courses. Some of the courses were hosted at CIRCLE, while others in Norwegian Business School or the other collaborating universities (Bodø Graduate School of Business). CIRCLE PhD students took some of the NORSI courses as a part of their PhD program.

CIRCLE has been involved in two master programs. In collaboration with the Department of Production Economics, LTH, CIRCLE has contributed to the program Business and Innovation. CIRCLE has been responsible for three courses within the program: Entrepreneurship in New and Established Ventures, Innovation Management and Globalization and Innovation. CIRCLE has been also involved in the master program Economic Growth, Innovation and Spatial Dynamics, offered by the School of Economics and Management.

## INTERACTION WITH SOCIETY AND POLICY MAKERS

CIRCLE researchers contributed to the dissemination of research results to the policy makers and society at large by writing policy reports, debate articles, and organizing workshops for policy makers, taking various assignments in policy boards and providing comments to the journalists.

In total 15 policy reports were written by CIRCLE staff. They cover a variety of themes such as start-up companies, economic growth, regional development, smart specialization, academic entrepreneurship, university-industry cooperation, sustainability challenges and others. CIRCLE researchers wrote 13 debate articles in 2015. The most common theme was innovation policy in Sweden or other countries. Other topics included climate policy and the sharing economy. In addition, CIRCLE researchers provided comments and gave interviews to journalists on various topics related to innovation, entrepreneurship and policy making.

CIRCLE researchers organized a number of workshops and presentations for policy makers including the workshop "Innovation: Theory and Policy Practice", at the R&D department of the Swedish Energy Agency, the policy workshop on "Technology driven foreign direct investment (TFDI) in Europe by emerging multinationals" in Brussels; "BEI School/TRIGGER Networking Event in association with CIRCLE" in Lund.



## ACTIVITIES REGARDING GENDER EQUALITY AND EQUAL OPPORTUNITIES

In 2015 CIRCLE took several steps to improve gender equality and equal opportunities in the workplace. First a Gender and Equality Committee was created which was assigned the role of developing an "Action plan for Gender and Equal Opportunities at CIRCLE". The Action plan was approved in March 2015. The main objectives and actions proposed in that document were to increase the proportion of female researchers applying to positions at CIRCLE, to improve the gender balance in decision making bodies, ensure equal opportunities to the access of tasks at different stages of the career, monitor gender balance at CIRCLE and increase knowledge and understanding of equal opportunities and direct and indirect discrimination. As a consequence of the action plan and the gender report in which it was based, at the end of 2015 CIRCLE had improved the gender balance in decision making bodies (with a newly appointed female deputy director) and in the allocation of tasks. Furthermore, several activities aiming at increasing awareness on gender discrimination took place in 2015: A special session on Gender bias was organized during the CIRCLE retreat, where Professor Daniel Conley discussed direct and indirect discrimination and gender bias in academia; a seminar by Gunilla Jalbro was held at CIRCLE on gender equality in academia; a network of women researchers in innovation studies and entrepreneurship (WISE) was created and 3 lunch seminars were held (one of them with Sylvia Schwaag-Serger as an invited speaker). WISE has actively tried to link with a wider female network at Lund University – WINGS and finally a workshop on "Gender, Entrepreneurship and Innovation" was organized in November 2015. The workshop was funded by the EU project TRIGGER and by USV.

## PROJECTS AT CIRCLE 2015

### ONGOING PROJECTS AT CIRCLE 2015

Financier	Title of the project	Amount in SEK	Time period
<b>VR (Linnaeus Grant)</b>	Innovation, Entrepreneurship and Knowledge Creation: Dynamics in Globalising Learning Economies- Linnaeus Research at LUCIE	50 000 000	2006-2016
<b>Vinnova</b>	Transformation and Growth in Innovation Systems: Innovation Policy for Global Competitiveness of SMEs and R&I Millieus	9 000 000	2010-2016
<b>Nordic Energy Research</b>	TOP-NEST: Technology Opportunities in Nordic Energy System Transitions	1 200 000	2011-2015
<b>FORMAS</b>	R-ARE: entrepreneurship, innovation and development in regions of varying density	15 000 000	2011-2016
<b>Riksbankens Jubileumsfond</b>	The challenge of globalization: Technology driven foreign direct investment (TFDI) and its implications for the negotiation of International (bi- and multilateral) Investment Agreements	9 500 000	2012-2015
<b>Vinnova</b>	How does competence development affect individuals' innovativeness?	714 700	2013-2015
<b>Vinnova</b>	Measuring innovation results of the companies: New insights from SWINNO, PATENT, FoU, CIS and OECD	672 000	2013-2015
<b>European Commission</b>	Smart Specialization for Regional Innovation	2 266 859	2013-2016
<b>The Swedish Research Council</b>	Entrepreneurial Systems: Condition for Growth	8 064 545	2013-2016
<b>Swedish Energy Agency</b>	Enabling the transition to a bio-economy: innovation system dynamics and policy	1 500 000	2014-2016
<b>The Research Council of Norway</b>	Path development in different regional settings. Regional policy approached in the global economy.	600 000	2014-2016
<b>FORMAS</b>	Resilient Cities: Industrial Network and Institutional Perspectives on Economic Growth and Well-being	2 569 000	2014-2017
<b>Swedish Energy Agency</b>	Green transition and co-evolution of industry and the energy system	16 542 000	2014-2017
<b>Marianne and Marcus Wallenberg Foundation</b>	Global innovation networks, regional variety and its impact on the innovativeness of firms and regions: The IT and new media industry in Sweden in a global comparative perspective	8 449 000	2014-2018
<b>FORMAS</b>	GUST: Governance of Urban Sustainability Transitions: Advancing the role of living labs	5 444 000	2014-2018
<b>Norwegian Research Council</b>	Sustainable path creation for innovative value chains for organic waste products	1 290 700	2014-2018
<b>Vinnova</b>	Forskarstöd och följeforskning för strategiskt och innovationsdrivande styrelsearbete	580 000	2015
<b>Vinnova</b>	Styrelsedriven innovation i små och stora medelstora företag	100 000	2015
<b>Vinnova</b>	Policy for system transition: the case of Strategic Innovation Programs	1 500 000	2015-2016

## CITATION OVERVIEW FOR CIRCLE 2015

### NEW CITATIONS IN 2015

Name	Position	Google Scholar	Scopus
Andersson, Martin	Professor	289	53
Asheim, Björn Terje	Professor	1363	339
Balland, Pierre-Alexandre	Researcher	188	42
Borrás, Susana	Visiting Professor	370	62
Boschma, Ron	Professor	2535	796
Carlsson, Bo	Visiting Professor	1107	308
Castellani, Davide	Visiting Professor	369	111
Chaminade, Cristina	Professor	323	56
Coenen, Lars	Professor	786	277
Edquist, Charles	Senior professor	1157	70
Ejermo, Olof	Associate Professor	100	36
Fagerberg, Jan	Professor	1108	216
Fassio, Claudio	Post Doctor	22	2
Frenken, Koen	Visiting Professor	1345	457
Funfschilling, Lea	Post Doctor	24	10
Gabrielsson, Jonas	Associate Professor	256	81
Giuliani, Elisa	Visiting Professor	557	179
Grillitsch, Markus	Post Doctor	72	7
Hansen, Teis	Post Doctor	70	16
Larsson, Johan P	Researcher	37	3
Lindholm Dahlstrand, Åsa	Professor	109	28
Liu, Ju	Post Doctor	18	4
Martin, Roman	Post Doctor	74	13
Moodysson, Jerker	Professor	233	76
Niedomysl, Thomas	Associate Professor	143	47
Nilsson, Magnus	Assistant professor	29	2
Politis, Diamanto	Associate Professor	201	47
Plechero, Monica	Researcher	17	6
Rekers, Josephine	Researcher	23	3
Schubert, Torben	Associate Professor	193	44
Tanner, Anne	Post Doctor	26	9
Schön, Lennart	Professor	118	10
Tavassoli, Sam	Post Doctor	37	5
Srholec, Martin	Associate Professor	293	55
Trippel, Michaela	Associate Professor	475	128
Wesseling, Joeri	Post Doctor	32	12
Xiao, Jing	Researcher	9	1
Zukauskaite, Elena	Post Doctor	15	3

## CIRCLE employees in bold.

## JOURNAL ARTICLES

Amcoff, J. and **Niedomysl, T.** (2015) Is the tied returnee male or female? The trailing spouse thesis reconsidered. *Population, Space and Place*, 21(8), 872-881.

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**Balland, P.A.,** Rigby, D., and **Boschma, R.** (2015) The technological resilience of cities. *Cambridge Journal of Regions, Economy and Society*, 8, 167-184.

**Binz, C.,** Sedlak, D., Harris-Lovett, S., Kiparsky, M., and Truffer, B. (2016) The thorny road to technology legitimization – Institutional work for potable water reuse in California. *Technological Forecasting & Social Change*, 103, 249-326.

**Borrás, S.** and **Edquist, C.** (2015) Education, training and skills in innovation policy. *Science and Public Policy*, 42(2), 215-227.

**Borrás, S.** and Højlund, S. (2015) Evaluation and Policy Learning – The Learners’ Perspective. *European Journal of Political Research*, 54(1), 99–120.

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- Chaminade, C.** and de Fuentes, C. (2015) Who are the world leaders in innovation? Exploring the changing role of firms in emerging economies. *International Journal of Technological Learning, Innovation and Development*, 7(4), 279-302.
- Chaminade, C.** Rabellotti, R. (2015) Technology-driven FDI by Emerging Multinationals in Europe. *AIB insights*, 15(2), 11-14.
- Coenen, L.** (2015). Engaging with changing spatial realities in TIS research. *Environmental Innovation and Societal Transitions*, 16, 70-72.
- Coenen, L., Hansen, T., and Rekers, J.V.** (2015) Innovation Policy for Grand Challenges. An Economic Geography Perspective, *Geography Compass*, 9(9), 483–496.
- Coenen, L., Moodysson, J., Martin, H.** (2015) Path renewal in old industrial regions: possibilities and limitations for regional innovation policy. *Regional Studies*, 49(5), 850-865.
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- Gosens, J., Yonglong, L., and **Coenen, L.** (2015) Clean-tech innovation in emerging economies: transnational dimensions in technological innovation system formation. *Journal of Cleaner Production*, 86, 378-388.
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**Wesseling, J.,** Farla, J. C. M., and Hekkert, M. P. (2015) Exploring car manufacturers' responses to technology-forcing regulation: The case of California's ZEV mandate, *Environmental Innovation and Societal Transitions*, 16, 87-105.

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**Xiao, J.** (2015) The effects of acquisition on the growth of new technology-based firms: Do different types of acquirers matter? *Small Business Economics*, 45(3), 487-504.

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**Zukauskaitė, E.** (2015) Organizational change within medical research in Sweden: On the role of the individuals and institutions. *Environment and Planning C*, 33(5), 1190-1206.

#### FORTHCOMING ARTICLES (ACCEPTED AFTER PEER REVIEW)

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**Andersson, M.,** and **Larsson, J.P.** (2015) Local Entrepreneurship Clusters in Cities, forthcoming in *Journal of Economic Geography*.

- Antonelli, C. and **Fassio, C.** (2015) Academic knowledge and economic growth: are scientific fields all alike?, forthcoming in *Socio-Economic Review*.
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- Antonelli, C. and **Fassio, C.** (2015) Globalization and the knowledge driven economy, forthcoming in *Economic Development Quarterly*.
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**Martin, R.** and **Martin, H.** (2015) *Policy-initiated path creation? Multiple roles of policy for the emergence and evolution of new media and biogas in the region of Scania, Sweden*. Eu-SPRI Conference 'Innovation policies for economic and social transitions: Developing strategies for knowledge, practice and institutions', Helsinki, June 10-12.

**Miørner, J.** (2015) *Towards a dynamic understanding of leadership in regional innovation systems*. RSA international research network seminar: Exploring varieties of Leadership in Urban and Regional Development, Birmingham, November 12-13.

Montresor, S., **Schubert, T.**, Vezzani, A., and **Castellani, D.** (2015) *Multinationality, R&D and productivity. evidence from the top R&D investors worldwide*, DRUID, Rome, 2015.

**Rekers, J.V.** (2015) *Building a case for big science*. Global Conference on Economic Geography, Oxford, August 19-23.

**Schubert, T.**, Yang, G. (2015) *Impact of recent higher education reforms on the optimal size of operations in German universities*, Atlanta Conference on Science and Innovation Policy, Atlanta.

**Tavassoli, S.** and Jienwatcharamongkhon, V. (2015) *Survival of entrepreneurial firms, the role of agglomeration externalities*, Australian Centre for Entrepreneurship Research Exchange, Adelaide, February 2-6.

**Trippl, M.** (2015) *Experiences from 16 European regions working on smart specialisation*. CRU Seminar: Implementing Smart Specialisation, Aalborg. September 2.

**Zheng, Y.** (2015) *The patenting performance of second-generation immigrant inventors in Sweden: differentiated by parents' region of origin*. INTEGRIM Migrant Labour Market Integration, the University of Sussex, Falmer, June 18.

## KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

### SUSANA BORRÁS

“Innovation Policy in the Age of Governance: What Goals, What Role for the State?” EU-SPRI Conference, Helsinki, Finland, 10-12 June 2015.

“Research Evaluation: Who and How is Learning from it?” 5th European Conference on Corporate R&D and Innovation: Concordi 2015 Industrial Research and Innovation: Evidence for Policy. Sevilla, Spain, 1-2 October 2015.

### RON BOSCHMA

“Agents of Structural Change”, INGENIO, University of Valencia, 17 November 2015.

“Regional Diversification: an Evolving Research Agenda”, workshop Evolutionary Analysis of Entrepreneurship and Regional Development, University of Gothenburg, 10 December 2015.

“Agents of Structural Change”, Beijing Forum, Beijing, 7 November 2015.

“Regional Resilience”, Conference on Resilience, Ohio State University, Columbus, Ohio, 4 November 2015.

“Evolutionary Economic Geography”, World Conference Economic Geography, Oxford University, 21 August 2015.

“Institutions and Diversification: Related vs unrelated diversification in a Varieties of Capitalism framework”, Governance of a Complex World conference, University of Nice, 1 July 2015.

“Institutions and Diversification: Related vs unrelated diversification in a Varieties of Capitalism framework”, International NetWorkShop, Pecs University, Pecs, 26 June 2015.

“Relatedness and regional diversification”, IRIMA workshop on Technological Drivers of Corporate R&D location, Brussels, 11 June 2015.

“Complexity, relatedness and regional diversification”, Tinbergen Institute International

workshop, Free University Amsterdam, 8 May 2015.

“Regional diversification: an evolving research agenda”, Regional Studies Annual Lecture AAG (American Association of Geographers) conference, Chicago, 22 April 2015.

“Regional diversification: towards a new research agenda”, Related Variety and Product Space workshop, Kennedy School, Harvard University, Cambridge, 20 April 2015.

“Relatedness and regional diversification, International Symposium”, Learned Society of Wales, Port Meirion, Wales, UK, 14 April 2015.

“Relatedness, knowledge complexity and technological opportunities of regions: towards a framework for smart specialization”, Conference Smart Specialization, Prague, 4 March 2015.

“Related variety, relatedness and branching”, DRUID Winter Conference, Aalborg, 21 January 2015.

### CRISTINA CHAMINADE

“Global innovation networks and regional dynamics: towards a future research agenda”, 18th Uddevalla Symposium, University of Southern Denmark, June 2015.

### ELISA GIULIANI

“Developing Country Industrial Clusters: From Efficient Technological Catchup to Creating Shared Values”, UNU MERIT European Meeting of Applied Evolutionary Economics, 2015.

### CHARLES EDQUIST

“Public Risk Capital Funding: Additionality vs. Duplication”. Corporate R&D and Innovation (CONCORDI) Seville, Spain, 1-2 October 2015.

“A critique of the Innovation Union Scoreboard”. Seminar on innovation measurement, Brussels, 15 September, 2015

“Linear vs Holistic Innovation Policies: The Role of the Public Sector”. The 16<sup>th</sup> International Conference on Industrial Technology Innovation (ICITI), Taipei, Taiwan, 3-4 September 2015.

“Driving Innovation through Public Policy: The case of Sweden”. Conference on Innovation Policy, Bangkok, 6 September 2015.

“Innovation – Related Public Procurement (state-of-the-art). Demand – Side Policies for Innovation/Public Procurement for Innovation”, State University of Campinas (UNICAMP), Campinas, Sao Paulo State, Brazil, 27-29 May, 2015.

#### KOEN FRENKEN

“Sharing Economy: definition, dynamics and debates”, European Meeting on Applied Evolutionary Economics, Maastricht, 1-3 June 2015.

“Sharing Economy: definition, dynamics and debates”, Next generation Business Models conference, Hanze University of Applied Sciences, Groningen, 2 October 2015.

#### MAGNUS NILSSON

“Combined innovation policy: Linking scientific and practical knowledge in innovation systems. Leveraging Public R&D for the Benefit of Industry: The Case of Food”, Dublin, Ireland, 24 November 2015.

#### MICHAELA TRIPPL

“Regional innovation policy beyond core regions”. 5<sup>th</sup> Conference of the Nordic Section of the Regional Studies Association (NORSA), Grimstad, Norway, 13-14 January 2015

## AWARDS FOR RESEARCH

#### MARTIN ANDERSSON

Winner of the “*Martin Beckmann RSAI award 2015*” for the best paper published in Papers in Regional Science during 2014. The award recognizes annually a regional science scholar or scholars who have “demonstrated innovation and excellence in Regional Science research through the publication of a paper of outstanding merit in Papers in Regional Science”. The winning article is “The Sources of the Urban Wage Premium by Worker Skills – spatial sorting or agglomeration economies?”

#### SABRINA FREDIN

“*Best PhD candidate Paper Award*” 18<sup>th</sup> Uddevalla Symposium on ‘Regional development in an international context – Regional, national, cross border and international factors for growth and development’, 11-13 June 2015, Sønderborg, Danmark.

#### PIERRE-ALEXANDRE BALLAND

“*Early Career Award*” from the Regional Studies Association.

## TEACHING AND SUPERVISION BY CIRCLE EMPLOYEES

### COURSES AT LUND UNIVERSITY

#### LINA AHLIN

School of Economics and Management,  
Department of Economics, Makroekonomisk  
teori och ekonomisk politik

Department of Human Geography, Lund  
University, Urban and Regional Planning for  
Sustainability

Department of Human Geography, Lund  
University, Final master thesis, Human  
Geography Programme

#### CRISTINA CHAMINADE

Faculty of Engineering, LTH, Globalization and  
Innovation

Department of Human Geography, Lund  
University, Human Geography

Department of Human Geography, Lund  
University, Economic Geography

#### LARS COENEN

School of Economics and Management,  
Department of Economic History, Economics of  
Innovation

Department of Human Geography, Lund  
University, Final bachelor thesis, Planning  
Program

Department of Human Geography, Lund  
University, Regional Development and Planning

#### MARKUS GRILLITSCH

Faculty of Social Sciences, Department of Human  
Geography, Development Organisations and  
Programme Management

Department of Service Management and Service  
Studies, Lund University, The Growth of the  
Service Sector

Faculty of Social Sciences, Department of Human  
Geography, Field Studies in Development  
Organisations and Management

#### JU LIU

Faculty of Engineering, LTH, Globalisation and  
innovation

LTH, Globalisation and Innovation

#### JOHN KÄLLSTRÖM

School of Economics and Management,  
Department of Economics, Makroekonomisk  
teori och ekonomisk politik.

#### ROMAN MARTIN

Faculty of Engineering, LTH, and CIRCLE,  
Globalization and Innovation

Faculty of Engineering, LTH, and CIRCLE,  
Innovation Management

School of Economics and Management,  
Department of Economics, Mikroekonomisk  
teori med tillämpningar

Faculty of Social Sciences, Department of Human  
Geography, Regions as Arena for Economic  
Development

#### TEIS HANSEN

Department of Human Geography, Lund  
University, National PhD course in Economic  
Geography

School of Economics and Management (EHL),  
Department of Business Administration (FEK),  
FEKH92 Innovation Management

Department of Human Geography, Lund  
University, Transformation of Economic Space

#### JERKER MOODYSSON

Faculty of Social Sciences, Department of Human Geography, Regions as Arena for Economic Development

School of Economics and Management, Department of Economic History, Economic Growth, Innovation and Spatial Dynamics

#### MAGNUS NILSSON

School of Economics and Management, Department of Business Administration, From Consumer Insight to Innovation, Master's programme in Globalization Brands and Consumption

School of Economics and Management, Department of Business Administration, Innovation and Entrepreneurship, Master's programme in Management

School of Economics and Management, Department of Business Administration, Degree project in Global Marketing

School of Economics and Management, Department of Business Administration, Degree project – Management Challenges

School of Economics and Management, Department of Business Administration, Strategic Marketing

#### JOSEPHINE REKERS

Faculty of Social Sciences, Department of Human Geography. Population, Settlement and Economic Geography

### COURSES AT OTHER UNIVERSITIES

#### BJØRN ASHEIM

University of Stavanger Business School, Business Innovation.

#### PIERRE-ALEXANDRE BALLAND

Economic evolution of cities and regions, Utrecht University

Organizational network, Utrecht University

Faculty of Social Sciences, Department of Human Geography, Geographies of Economies I

Faculty of Social Sciences, Department of Human Geography, Economic Geography I

Faculty of Social Sciences, Department of Human Geography, Fieldmethods and GIS

#### TORBEN SCHUBERT

LTH, Globalisation and Innovation

#### MICHAELA TRIPPL

School of Economics and Management, Department of Economic History, Economics of Innovation

#### JING XIAO

CIRCLE, Entrepreneurship in New and Established Ventures

#### ELENA ZUKAUSKAITE

Faculty of Engineering, LTH, Globalization and Innovation

Advanced network analysis, Utrecht University

#### RON BOSCHMA

Stavanger University, Relatedness and Diversification, NORSI/PING Course

Nice University, Evolutionary Economic Geography: relatedness and diversification, KID Summer School

#### CRISTINA CHAMINADE

Tampere University, Globelics Academy PhD course.

#### SABRINA FREDIN

BTH, Faculty of Engineering, Department of Spatial Planning, Research design, research methods

BTH, Faculty of Engineering, Department of Spatial Planning, Innovative Regions – Theory and Practice

BTH, Faculty of Engineering, Department of Spatial Planning, European Cohesion Policy

BTH, Faculty of Engineering, Department of Spatial Planning, Theoretical perspectives on regional development

BTH, Faculty of Engineering, Department of Spatial Planning, Intensive seminar

BTH, Faculty of Engineering, Department of Spatial Planning, Master's Thesis

#### KOEN FRENKEN

Utrecht University, Faculty of Geosciences, Economics of Innovation and Technology

Utrecht University, Faculty of Geosciences, Mastering Theories of Innovation

#### LEA FÜNFSCILLING

University of Lucerne, Faculty of Social Sciences, Department of Sociology, The social construction of markets

University of Lucerne, Faculty of Social Sciences, Department of Sociology, Innovation and Sustainability

#### ELISA GIULIANI

Scuola Superiore Sant'Anna and University of Pisa, Business & Society

University of Pisa, Department of Economics and Management, International Management

#### ÅSA LINDHOLM DAHLSTRAND

Linköping University, PhD Course: ETP Entrepreneurship in Theory and Practise

Norduniversitet, Bodö University, PhD Course, PING: Foundations and Future Perspectives in Entrepreneurship Research

#### ROMAN MARTIN

University of Stavanger, UiS Business School, Centre for Innovation Research, An Introduction to Social Network Analysis (SNA)

#### SAM TAVASSOLI

Blekinge Institute of Technology, Industrial Economics, Quantitative Methods

#### MICHAELA TRIPPL

University of Stavanger, NORSI (Norwegian Research School in Innovation)

#### ELENA ZUKAUSKAITE

Blekinge Institute of Technology, Department of Spatial Planning, PLANET Europe Intensive Seminar on Smart Specialization

## SUPERVISION OF PHD STUDENTS

### MARTIN ANDERSSON

Lina Ahlin, Lund University

Mark Bagley, Jönköping International Business School

Lucinda David, Lund University

Niclas Lavesson, Lund University

Joakim Lundblad, Lund University

Palina Sauchanka, Lund University

Eleonore Huang Vogel, Blekinge Institute of Technology

### BJØRN ASHEIM

Bisrat Agegnehu, BI-Norwegian Business School

Nina Jentoft, University of Stavanger

Nina Hjertvikrem, University of Stavanger

Marianne Røgeberg, University of Stavanger

### PIERRE-ALEXANDRE BALLAND

Sergio Petralia, Utrecht University

Teresa Fernandes, Utrecht University

Mathieu Steijn, Utrecht University

Matthias Brachert, Utrecht University

### SUSANA BORRÁS

Steven Højlund, Copenhagen Business School

Mart Laatsit, Copenhagen Business School

### CRISTINA CHAMINADE

Keyvan Alvandi, Lund University

### LARS COENEN

Hanna Martin, Lund University

Alexandra Nikoleris, Lund University

Fredric Bauer, Lund University

Jingjing Zhang, Lund University

Mette Talseth Solnørdal, University in Tromsø

### OLOF EJERMO

John Källström, Lund University

Yannu Zheng, Lund University

### KOEN FRENKEN

Pieter den Hamer, Utrecht University

Allard van Mossel, Utrecht University

Jeroen Content, Utrecht University

Brita Schenmann, Utrecht University

Toon Meelen, Utrecht University

Karla Muenzel, Utrecht University

Negin Salimi, Eindhoven University of Technology

Elena Mas Tur INGENIO, CSIC-UPV

### ELISA GIULIANI

Federica Nieri, University of Pisa

### ÅSA LINDHOLM DAHLSTRAND

Andes Billström, Halmstad University and Chalmers University of Technology

Eva Berggren, Halmstad University and Chalmers University

Hugo Barros, the PhD Program Innovation and Land Use Management, University of Algarve, Faro, Portugal

Kjersti Kjos Longva, Phd candidate at UiT The Arctic University of Norway and NORSI

Yana Borisenko, Lund University

MARTIN SRHOLEC

Jaber Tahrir, University of Tromsø

JERKER MOODYSSON

SAM TAVASSOLI

Joakim Lundblad, Lund University

Eleonore Huang Vogel, Blekinge Institute of Technology

Johan Miörner, Lund University

Hjalti Nielsen, Lund University

MICHAELA TRIPPL

Lionel Sack, Lund University

Hanna Martin, Lund University

THOMAS NIEDOMYSL

Lucinda David, Lund University

Niclas Lavesson, Lund University

Johan Miörner, Lund University

MAGNUS NILSSON

Sabrina Fredin, Lund University and Blekinge Institute of Technology

Clarissa Sia Ljungström, Lund University

Yana Borisenko, Lund University

## AWARDS FOR TEACHING

CRISTINA CHAMINADE

Best teacher of the Globelics Academy 2015.



## INTERACTION WITH SOCIETY BY CIRCLE EMPLOYEES

### POLICY REPORTS

**Andersson, M., Ejermo, O., and Taalbi, J.** (2015) Ger olika innovationsindikatorer olika svar? – slutrapport från ett projekt om innovationsindikatorer, Rapport för VINNOVA och SCB.

**Andersson, M., Fredin, S., and Karlsson, C.** (2015), Vad kan Pottholmen innebära för Karlskrona? Blekinge Tekniska Högskola, Karlskrona (Rapport för Karlskrona Kommun).

**Asheim, B. T.** (2015) An innovation driven economic diversification strategy for Kuwait. Research report commissioned by Marmore, Kuwait Financial Centre, 'Markaz', Kuwait.

**Chaminade, C.** (2015) (ed) Technology driven FDI by Emerging MNEs in Europe. Lund: Media Tryck.

**Chaminade, C. and Plechero, M.** (2015) International knowledge flows in Europe for the Innovation Union Competitiveness Report, Brussels: European Commission.

**Frenken, K.** (2015). Reflections on the sharing Economy, commissioned by the Dutch Ministry of Transportation, Rijkswaterstaat, Programma Strategische Verkenningen.

**Frenken, K., Straathof, B.** (2015) Platform on the labor market, in B. ter Weel (ed.), Preadviezen van de KVS, pp. 163-174.

Jacob, M. and **Lindholm Dahlstrand, Å.** (2015) RIO Country Report 2015: Sweden, The Research and Innovation Observatory (RIO), JRC, European Commission.

Johansson, P., **Lundblad, J.** (2015) A digital single market – growing the Baltic Sea Region.

Klitkou, A., Bolwig, S., **Coenen, L.**, Solér, O., Scordato, L. (2015) Technology Opportunities in Nordic Energy System Transitions (TOP-NEST), Final report.

**Liu, J.** (2015) Chinese and Arabic Communities Supporting Innovation in Sweden, TEKES, Finland.

**Liu, J.** (2015) Technology-driven FDI by Emerging Multinationals in Europe, Lund University Press.

**Lundblad, J.** (2015) Finnes: 70.000 nya lärare – hur legitimeringsprov kan motverka lärarbristen, Chamber of Industry and Commerce in Southern Sweden, July 2015.

**Lundblad, J. and Andersson, M.** (2015) State of the Digital Region 2015 – leveraging a digital Baltic Sea Region, Baltic Development Forum, Copenhagen.

**Niedomysl, T., Amcoff, J. & Östh, J.** (2015) Segregation i Skåne. Region Skåne.

### ASSIGNMENT IN POLICY BOARDS OR EVALUATION PANELS

#### MARTIN ANDERSSON

Invited member of Regionalpolitiskt forum at the Swedish Entrepreneurship Forum

Invited expert member of the Productivity commission for Southern Sweden

#### SUSANA BORRÁS

Board member, Konsistoriet, Karolinska Institutet, Sweden

Board member, Center for Ledelse, Copenhagen, Denmark

Member of ATV (Akademiet for Teknisk Videnskab), Denmark

Panel member of the Research Evaluation of the Faculty of Economics and Business Administration at Ghent University, Belgium

#### CHARLES EDQUIST

Member in the Swedish National Innovation Council chaired by the Prime Minister

Member of Expert Group assisting with design of EU and EURATOM research and innovation programmes, The Research and Innovation Observatory (RIO), JRC, European Commission

#### KOEN FRENKEN

Advisory member of the Social Economic Council of The Netherlands, committee Robotization

Member of the Advisory Board for the Transforming Institutions by Gendering contents and Gaining Equality in Research Project

Member of Advisory Committee on project on "Excellence in science", Rathenau Institute, The Hague

External evaluator of Master Programme in Entrepreneurship and Innovation, Norwegian University of Life Sciences, Norway

#### ELISA GIULIANI

A consultant in the design of cluster policy evaluation at the Inter-American Development Bank, Washington.

#### TORBEN SCHUBERT

Advisor in innovation policy issues for the parliamentary fraction of the German Social Democratic Party (SPD)

#### ÅSA LINDHOLM DAHLSTRAND

Member of the Jury for the Smart Growth category of the RegioStar Awards 2015, DG REGIO, European Commission

#### MARTIN SRHOLEC

Government Office of the Czech Republic, a member of the Commission for Evaluation of Results of Research Organizations and Programmes at the Council for Research, Development and Innovation

### DEBATE ARTICLES

**Edquist, C.** (2015) Innovationspolitiken måste samlas i en egen proposition, *Dagens Nyheter*, 11.05.2015.

**Frenken, K.** (2015) Sharing economy does not automatically lead to equality. *De Volkskrant (Dutch daily)*, 23.08. 2015.

**Frenken, K.,** Meelen, T., Arets, M., and van de Glind, P. (2015) Smarter regulation for the sharing economy, *British daily*, 20.05.2015.

**Frenken, K.,** Meelen, T., Arets, M., and van de Glind, P. (2015) What exactly is sharing economy. (Dutch Debating Platform for Economists, 27.03.2015.

**Hansen, T.** and Klitkou, A. (2015) Pose more demands on demonstration projects. *Ingeniøren*, 14(8), 8-9.

Hodzic A., and **Edquist, C.** (2015) Upphandlingen avgör innovationskraften, *Dagens Samhälle*, 17.06.2015.

Klitkou, A. and **Hansen, T.** (2015) The importance of learning and communication. Experiences from Scandinavian demonstration projects in renewable energy and transportation. *Forskningspolitik*, 38 (2), 18-19.

**Lundblad, J.** (2015) Innovation kräver förändring, *Göteborgsposten*, 08.16.2015.

**Lundblad, J.** (2015) Mattelärare på avbytarbänken, *Kristianstadsbladet*, 12.16.2016.

**Lundblad, J.** (2015) Produktivitet och förtroende i politiken, *Göteborgsposten*, 19.06.2015.

**Lundblad, J.** (2015) Time for the Cities to Step Up, *Baltic Rim Economies Journal*, 1.

**Niedomyśl, T., Amcoff, J. and Östh, J.** (2015) Segregationen i Skåne ökar. Debattartikel i *Sydsvenskan* och *Helsingborgs Dagblad*.

**Tavassoli, S.** (2015) Samarbeten främjar inte innovationer, *NyTeknik*, 18.02.2015.

## ORGANIZATION OF POLICY WORKSHOPS

### SUSANA BORRÁS

The visit of two EU commissioners to CBS in May (Margrethe Vestager and Jyrki Katainen – the Danish and Finish Commissioners).

### CRISTINA CHAMINADE

Organizer and chair of the policy workshop on "Technology driven foreign direct investment (TFDI) in Europe by emerging multinationals" in Brussels, March 2015.

Organiser of the "BEI School/TRIGGER Networking Event in association with CIRCLE, Lund University" on Gender, Entrepreneurship and Innovation, Lund University, Sweden, November 2015.

### MARKUS GRILLITSCH

National and Regional Innovation Systems and Policies, Indonesian policy makers, 09.12.2015.

Innovation: Theory and Policy Practice, R&D department of the Swedish Energy Agency, 01.10.2015.

### ÅSA LINDHOLM DAHLSTRAND

Organiser and Chair of the "BEI School/TRIGGER Networking Event in association with CIRCLE, Lund University" on Gender, Entrepreneurship and Innovation, Lund University, Sweden, November 2015.

### JOAKIM LUNDBLAD

The Value Chain of Internet of Things, Global Goals Lab Data Summit, 25.11.2015

## MEDIA EXPOSURE

### ROMAN MARTIN

Interviewed by Sveriges Radio P1 for the programme P1-morgon, 14.12.2015

### CRISTINA CHAMINADE

Interview for The Economist, for an article on the IT clusters in India, 07.2015.

Expert panellist during the presentation of the Global Innovation Index 2015 report in London for press and policy makers, organized by the UK government, 09.2015.

### KOEN FRENKEN

“Do we increasingly communicate with each other?” Katern Nieuwscafé, Libelle, (15),

“Airbnb prohibit, or control”, Misset Horeca (online), 15.04.2015.

“Innovation is a dice game”, Capital (5), 37-39.

“Creative combinations. Unusual engineers provide innovations”, De Ingenieur (7).

“The dilemmas of the economics section”, SER-magazine (online), 10.2015.

### CHARLES EDQUIST

Interviewed by Ny Teknik for the article “The National Transportation Agency is forced to buy products that do not exist”, 18.07.2015.

Interviewed by Sveriges Offentliga Inköpare for the article “Public procurement is crucial”, 18.06.2015.

Interviewed by Sydsvenskan for the article “Charles Edquist is a missionary for a smarter Swedish innovation policy”, March 14, 2015.

Interview about the Swedish National Innovation Council in *Rapidus*, 24.02.2015.

“Så räddar vi jobben i Lund – debatt efter varslen på Sony”. Debate broadcasted by Sydsvenskan.se on 18.03.2015.

“Sweden set to switch tracks”. Interview in Research Europe, 19.03.2015.

“Five important characteristics of a successful innovation policy”, Lunds universitets magasin (LUM), 25.03.2015.

### ÅSA LINDHOLM DAHLSTRAND

Interviewed by Veckans Affärer, “Nu kommer vi”, 04.06.2015.

### PIERRE-ALEXANDRE BALLAND

TED talk - TEDx Universite De Bordeaux of Bordeaux (Bordeaux)

### METHOD FOR THE CITATION ANALYSIS

The citation analysis has been carried out for CIRCLE since 2005. In 2013 the Scopus citation index was included in the citation analysis. The Scopus database covers specifically articles published in peer-reviewed scientific journals and makes a relevant complement to Google Scholar. By combining these two data sources it is, thus, possible to get an overview of impact by total output (Google Scholar) as well as by peer-reviewed research output (Scopus). For each CIRCLE researcher, we search for his/her citations through:

- Google Scholar (<http://scholar.google.com>)
- Scopus database (<http://www.scopus.com>)

In the Scopus database the reported numbers do not contain self-citations, however Google Scholar includes all citations.

### CHANGES IN METHODOLOGY OVER TIME

In 2015, the Social Science Citation Index (SSCI) was excluded from the citation analysis as it was established that it has an almost perfect correlation with the citations reported by Google Scholar, but SSCI does not demonstrate the wider, total output of a researcher. Therefore, a more strict representation of the citations (Scopus) and one with a wider coverage (Google Scholar) were used for the report.

### STEP BY STEP PROCEDURE FOR ONLINE CITATION ANALYSIS

1. Open Google Scholar and the Scopus database, (<http://scholar.google.com>) and (<http://www.scopus.com>), respectively.
2. In Google Scholar enter e.g. the surname and/or first name in the designated field and click "Search". Quotation marks are not necessary. In Scopus, the last name(s) and initial(s) of the author's first name are entered in the fields "Author Last Name" and "Initials or First Name" under the tab "Author search".

In the hits returned by Google Scholar choose and click the existing Google Scholar profile of the person of interest. The amount of citations during a specific year is displayed in the top right corner of the screen, by putting mouse over the citations graph. In this version of software it is still not possible to eliminate self-citations. In the case a Google Scholar profile is not already set up, a temporary non-public profile is created, which is deleted after the number of citations has been retrieved. In this case, when adding articles to the temporary profile, different name combinations are tried out to ensure to identify our CIRCLE colleagues correctly.

In Scopus, a list of authors appears and the requested author is chosen. Hereafter, the citations are found under "Research" / "Citations" after the "elimination of self-citations" box is ticked. The number of citations during a specific year is then retrieved. Some authors may have several profiles in Scopus, which means citations from all profiles are summed up. When it is especially hard to find information for example due to a surname change, the different accounts are detected by first searching for articles from the researchers' CV and then clicking on their name in the returned hits.