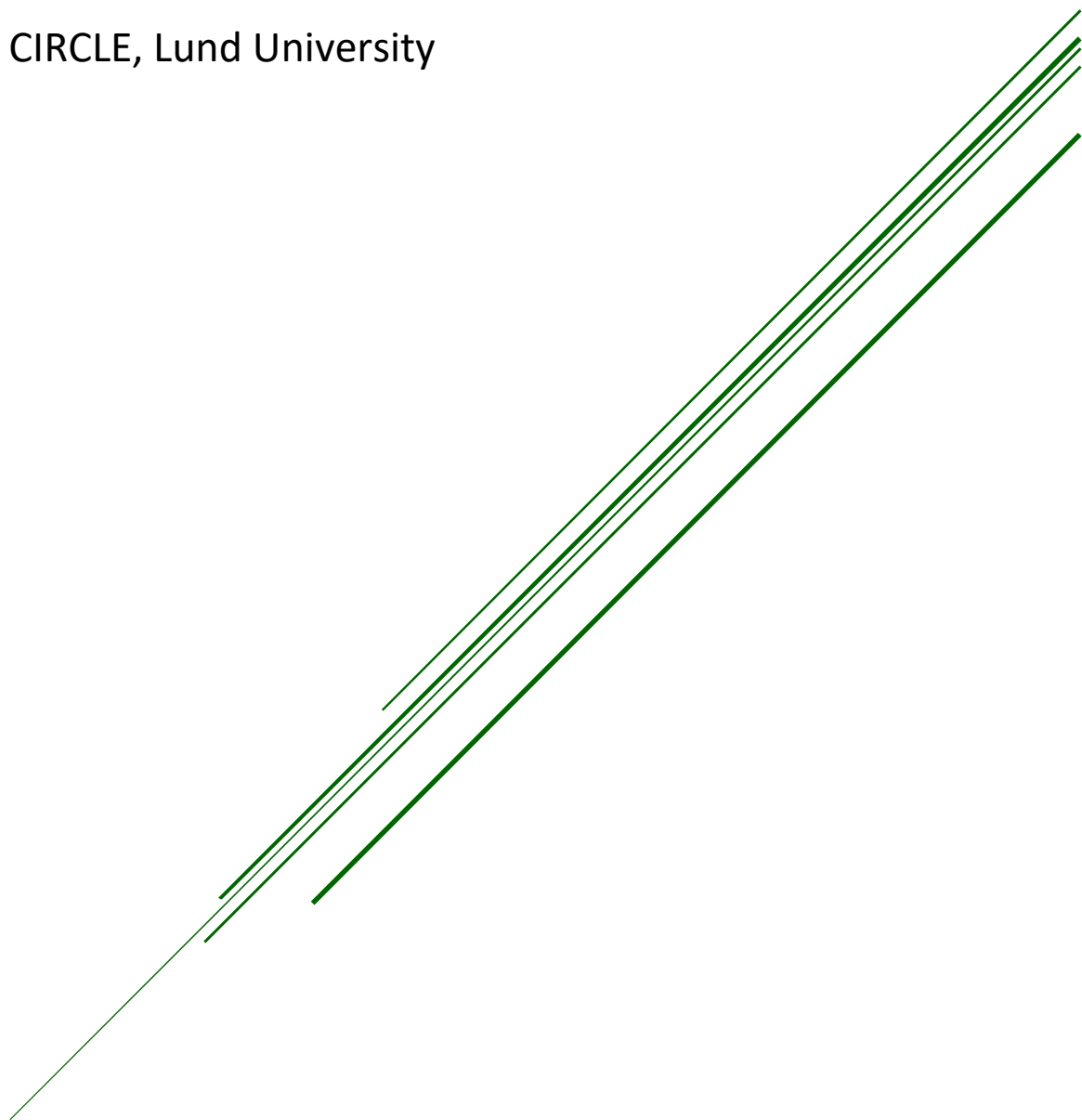




# ANNUAL REPORT 2016

CIRCLE, Lund University



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

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## LETTER FROM THE DIRECTOR

2016 has been a year of change in CIRCLE's history. The year started with our Director Ron Boschma stepping down from this position to focus more on his own research, but we are very happy that Ron has decided to continue research activities at CIRCLE. In January 2016 Professor Jerker Moodysson replaced Ron Boschma as Director. Jerker had for many years done an important job as Deputy Director of CIRCLE. Shortly before summer however, Jerker decided to take up the position as Dean and Managing Director of Jönköping International Business School (JIBS). While we miss Jerker, we are also pleased that this has led to a strengthened collaboration between JIBS and CIRCLE, in the form of several joint research projects.

Having been Deputy Director of CIRCLE for some years, it was natural for me to accept the task as Director of CIRCLE (August 2016). This means taking over a strong legacy left by previous directors, and, luckily, that I am supported by hard working and brilliant administrative and research staff. In 2016, we also had the pleasure of welcoming Dr. Magnus Nilsson as Deputy Director. Magnus has a long and solid experience of working at Lund University, and has been affiliated to CIRCLE for many years.

All these changes are not the only reason why this has been an eventful year. CIRCLE has demonstrated some great achievements during the year. Many of them you can read about in this Annual Report, including, for example, hosting the EU-SPRI annual conference. The Conference was a great success, and managed to provide a forum for scholars and practitioners interested and active in the areas of research and innovation policy.

Other highlights in 2016 include the 64 peer-review journal articles, 2 books, 20 book chapters and 30 CIRCLE working papers that were published during the year. Academic work by CIRCLE researchers has continued making impact on the academic community. CIRCLE researchers have also continued to contribute immensely to the dissemination of research results to policy makers and society at large, like writing policy reports, debate articles, and organizing workshops for policy makers, among other activities.

In addition, CIRCLE has managed to attract a handful of new externally funded research projects. Especially satisfying is to observe that our intense work with research applications started to pay-off by the end of the year. This was particularly well received as two large research programs (Linné and VINNOVA) both came to an end. We are pleased that VINNOVA has granted one new large project on System Innovation for Societal Challenges, linked to one of VINNOVA's Strategic Knowledge Platforms. VINNOVA will continue to be one of CIRCLE's most valued and important partners.

A repositioning of CIRCLE within Lund University has been discussed for some years. It is important for CIRCLE to become better integrated into the faculties of the University. To continue as a successful research center, CIRCLE needs to have a PhD program in Innovation Studies, as well as more teaching opportunities for our staff. To find a financial balance, it is important to increase the basic funding from Lund University. These questions are all part of the intense discussions being held with the University now. CIRCLE aims to start recruiting new talents as soon as possible.

CIRCLE's goal is to be a world-leading institute in Innovation Studies that operates as a main attractor on the most talented and brightest researchers in our field. I am determined to continue the work of our previous Directors, and do all I can to make CIRCLE an intellectual, vibrant and inspiring environment, that stimulates fruitful research collaborations and gives room to new ideas and newcomers. There are many opportunities and challenges in the future, and I firmly believe that CIRCLE will make the best out of that, and strengthen its position as a flagship of innovation studies at Lund University.

Åsa Lindholm Dahlstrand  
Lund, January 30, 2017

## RESEARCH AT CIRCLE

During 2016, CIRCLE researchers published 64 peer-review journal articles, 2 books, 20 book chapters and 30 CIRCLE working papers (downloadable at <http://www2.circle.lu.se/publications/working-papers/>) in the areas of innovation studies, entrepreneurship, economics of innovation, sustainability transitions and others. Academic work by CIRCLE researchers have continued making impact on academic community. During 2016, studies by CIRCLE researchers have been cited more than 10 000 times (based on google scholar citations). CIRCLE researcher, Prof. Ron Boschma, was ranked by Thomson Reuters among the top 1% of highly-cited researchers worldwide in 2016. Among other most cited CIRCLE researchers are Björn Asheim (1248)<sup>1</sup>, Koen Frenken (1243), and Charles Edquist (1119). Furthermore, Charles Edquist has received UAM – Accenture Chair, Autonomous University of Madrid, research award in economics and innovation management for the paper “Is More Always Better? Analysing the Innovation Union Scoreboard”, written together with Jon Mikel Zabala-Iturriagoitia. Olof Ejermo, Claudio Fassio, and Yannu Zheng have received personal research grants.

The total budget for research in 2016 was 24 MSEK, the major share of which – 16 MSEK – is from external funding. Three new projects have started at CIRCLE during 2016. In addition, CIRCLE researchers have been successful in attracting new research grants during 2016 which will lead to projects in the coming years. Main CIRCLE financiers are VINNOVA, FORMAS, Swedish Research Council, European Commission, MISTRA and others. CIRCLE has been actively collaborating for research with many other universities in Sweden and Europe including Jönköping University, Gothenburg University, Swedish University of Agricultural Sciences, Cardiff University, Utrecht University, University of Newcastle Upon Tyne, University of Sussex just to mention a few.

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*
- Cristina Chaminade: Editor of *Innovation and Development*
- Michaela Trippel: Editor of *Papers in Regional Science*

In 2016 CIRCLE hosted the EU-SPRI annual conference. The key objectives of the conference were to provide a forum for scholars interested and active in the areas of research and innovation policy analysis to exchange ideas and present findings across disciplinary boundaries as well as interaction between researchers and policy-makers/politicians. 262 participants from a wide range of countries and disciplines attended and 165 presentations were held at the conference.

Furthermore, Prof. Ron Boschma was one of the co-organizers of the 3rd Geography of Innovation conference in Toulouse. Many CIRCLE researchers have held keynote presentations in various international conferences such as the 3rd Geography of Innovation Conference, ICC Conference, International conference Schumpeter Society, KAIST Global Lecture, KAIST - Korea Advanced Institute of Science and Technology, Iranian vice-presidency of Science & Technology and others.

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<sup>1</sup> Google scholar citations in 2016.

## 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. One CIRCLE PhD student, Hanna Martin, successfully defended her PhD thesis: *Innovation for Tackling Grand Challenges: Cleantech Industry Dynamics and Regional Context* (supervisors: Prof. Lars Coenen and Prof. Michaela Trippl; opponent: Prof. Kevin Morgan, Cardiff University). At the end of 2016 CIRCLE had 13 PhD students.

CIRCLE researcher Prof. Björn Asheim is a deputy director of NORSI (Norwegian Research School in Innovation), a joint Research School managed by BI, Oslo, and NTNU, Trondheim. CIRCLE director Åsa Lindholm Dahlstrand is as a member of the Board for NORSI. NORSI consists of a research network that includes Norwegian universities and colleges, leading institutions in Scandinavia (Denmark and Sweden), as well as representatives from top international universities in the United States and Europe. Some of the NORSI courses were hosted at CIRCLE and/or taught by CIRCLE researchers. CIRCLE PhD students took some of the NORSI courses as a part of their PhD program. Prof. Åsa Lindholm Dahlstrand has also acted as an expert evaluator for the Danish government agency “ACE Denmark – Akkrediteringsinstitutionen” in the accreditation process of three master programmes.

CIRCLE has been involved in two master programs. In collaboration with the Department of Production Economics at LTH, CIRCLE has contributed to the Business and Innovation program. 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 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 12 policy reports were written by CIRCLE staff during 2016. They cover a variety of themes such as evaluation of innovation systems, open innovation, economic growth, openness and employment, globalization, international knowledge flows, the emergence of bio-economy, the role of incubators, intellectual property rights, digitalization and others. In addition, CIRCLE researchers provided comments and gave interviews to journalists on various topics related to innovation, entrepreneurship and policy making.

CIRCLE researchers have taken up different assignments in various policy boards at regional, national and international levels such as the Swedish National Innovation Council (Sweden) chaired by the Swedish Prime Minister, the Council for Strategic Public Procurement in Skåne (Scania region, Sweden), the Expert Group for evaluation of the 2016 European Prize for Innovation in fusion research (EU Commission), the Expert Group for RIO Country Report 2016 (EU Commission), Panel on Innovation Policy of parliamentary Group of the German Social Democratic Party (Germany), the Scientific Advisory Board of the Centre for European Studies (France), RISE (Research, Innovation and Science Experts) High-Level Advisory Body of European Commissioner Carlos Moedas (EU Commission).

## PROJECTS AT CIRCLE 2016

### ONGOING AND UPCOMING PROJECTS AT CIRCLE 2016

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>FORMAS</b>	R-ARE: entrepreneurship, innovation and development in regions of varying density	15 000 000	2011-2016
<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:	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>	Policy for system transition: the case of Strategic Innovation Programs	1 500 000	2015-2016
<b>MISTRA</b>	Sustainable plastics and transition pathways	45 000 000	2016-2019
<b>EU Commission</b>	Realizing Innovation in Transitions for Decarbonization	3 213 583	2016-2020
<b>VINNOVA</b>	SMF-Effektanalys	1 288 000	2016-2017
<b>Upcoming projects in 2017</b>			
<b>VINNOVA</b>	System Innovation for Societal Challenges: A strategic knowledge platform	26 680 371	2017-2022
<b>NordForsk</b>	Where does the Green Economy Grow? The Geography of Nordic Sustainability Transitions	20 906 600	2017-2019

CIRCLE employees in bold.

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**Chaminade, C.** de Fuentes, C. Harirchi, G. **Plecherro, C.** (2016) The geography and structure of Global Innovation Networks: global scope and regional embeddedness. In Shearmur, R., Carrincazeaux, C. and Doloreux, D. (Eds): *Handbook of the Geographies of Innovation*, Chentelham, UK: Edward Elgar.

**Chaminade, C.**, de Fuentes, C. (2016) Competences as drivers and enablers of globalization of innovation: the Swedish ICT industry and emerging economies. In Gastrow, M. and Kruss, G. (Eds): *Capability building and global innovation networks*, Routledge.

Fagerberg, J. and **Srholec, M.** (2016) Explaining regional economic performance: the role of competitiveness, specialization and capabilities. In Huggins, R. and Thompson, P. (Eds.): *Handbook of Regions and Competitiveness: Contemporary Theories and Perspectives on Economic Development*, Cheltenham, UK: Edward Elgar.

**Grillitsch, M., Asheim, B.T.** (2016) Cluster Policy: Renewal through the integration of institutional variety. In Hassink, R.; Fornahl, D. (Eds.): *Cluster Policies from a Cluster Life Cycle Perspective*, Cheltenham, UK: Edward Elgar

**Hansen, T.** (2016) Geography of Innovation. In Warf, B. (Ed.): *Oxford Bibliographies in Geography*. New York: Oxford University Press

Isaksen, A. and **Trippi, M.** (2016) Regional industrial path development in different types of regions: a conceptual analysis. In D. Parrilli, R. Fitjar & A. Rodriguez-Pose (Eds.): *Innovation drivers and regional innovation strategy*, London: Routledge.

**Rekers, J.V.** and Sandell, K. (2016) New big science: Opportunities and challenges. In J.V. Rekers and K. Sandell (Eds): *New big science in focus: Perspectives on ESS and MAX IV*, Lund: Lund Studies in Arts and Cultural Sciences.

**Rekers, J.V.** (2016) How close is close enough for interaction? Proximities between facility, university and industry. In J.V. Rekers and K. Sandell (Eds): *New big science in focus: Perspectives on ESS and MAX IV*, Lund: Lund Studies in Arts and Cultural Sciences.

**Tavassoli, S.** and Jienwatcharamongkhol, V. (2016) Survival of Knowledge Intensive Business Service Firms: The Role of Agglomeration Externalities. In J. Ferreira, C. Fernandes, M. Raposo and M. Dejardin (Eds.), *Knowledge Intensive Business Services and Regional Competitiveness*, London: Routledge.

Tödting, F. and **Trippi, M.** (2016) How do firms acquire knowledge in different sectoral and regional contexts? In D. Doloreux, R. Shearmur & C. Carrincazeaux (Eds.): *Handbook of the geography of innovation*, Cheltenham, UK: Edward Elgar.

**Trippi, M., Asheim, B.** and **Miörner, J.** (2016) Identification of regions with less developed research and innovation systems. In D. Parrilli, R. Fitjar & A. Rodriguez-Pose (Eds.): *Innovation drivers and regional innovation strategy*, London: Routledge.

**Trippi, M., Grillitsch, M.,** Isaksen, A. and Sinozic, T. (2016) *Understanding cluster evolution*. In F. Belussi & J. Hervas-Oliver (Eds.): *Unfolding cluster evolution*, London: Routledge.

**Zukauskaitė E., Plechero M. and Trippi M.** (2016)/1: *Institutional Thickness Revisited*

Fagerberg J. and **Srholec M.** (2016)/2: Explaining regional economic performance: the role of competitiveness, specialization and capabilities

**Carlsson B.** (2016)/3: *Industrial Dynamics: A Review of the Literature 1990-2009*

**Liu J.** and Liefner I. (2016)/4: *The Joint Influencing Mechanism of Proximities and Knowledge Base on Multinational Companies' Global Innovation Networks*

**Wesseling J. H. and Edquist C.** (2016)/5: *Public procurement for innovation: lessons from the procurement of a navigable storm surge barrier*

**Grillitsch M. and Chaminade C.** (2016)/6: *Does institutional diversity promote global innovation networks?*

**Fassio C.** and Grilli L. (2016)/7: *From technological to symbolic innovation? Open source, Maker Movement and global demand for 3D printers*

**Tavassoli S., Bengtsson L. and Karlsson C.** (2016)/8: *Strategic Entrepreneurship and Knowledge Spillovers: Spatial and Aspatial Perspectives*

Gong H. and Hassink R. (2016)/9: *What drives the geographies of creative industries? From literature review to research agenda*

**Ahlin L., Andersson M.** and Thulin P. (2016)/10: *Human Capital Sorting - the 'when' and 'who' of sorting of talents to urban regions*

**Zheng Y.** (2016)/11: The patenting performance of second-generation immigrants in Sweden: differentiated by parents' region of origin

**Borrás S.** and Jordana J. (2016)/12: *When Regional Innovation Policies Meet Policy Rationales and Evidence: A Plea for Policy Analysis*

**Grillitsch M., Schubert T. and Srholec M.** (2016)/13: *Knowledge diversity and firm growth: Searching for a missing link*

Cozza C., Perani G. and Zanfei A. (2016)/14: Are multinationals better at creating technical linkages with local firms?

**Castellani D., Piva M., Schubert T.** and Vivarelli M. (2016)/15: *R&D and Productivity in the US and the EU: Sectoral Specificities and Differences in the Crisis*

Bugge M., **Coenen L.,** Marques, P. and Morgan K. (2016)/16: *From Social Innovation to System Innovation: Assisted living experiments in Britain and Norway*

**Wesseling J. H.** and van der Vooren A. (2016)/17: *Lock-in of mature innovation systems, The transformation toward clean concrete in the Netherlands*

**Castellani D., Montresor S., Schubert T.** and Vezzani A. (2016)/18: *Multinationality, R&D and Productivity: Evidence from the top R&D investors worldwide*

**Miörner J. and Trippi M.** (2016)/19: *Paving the way for new regional industrial paths: Actors of change in Scania's games industry*

**Lindholm-Dahlstrand Å., Andersson M. and Carlsson B.** (2016)/20: *Entrepreneurial Experimentation: A key function in Entrepreneurial Systems of Innovation*

**Tavassoli S., Bengtsson L. and Karlsson C.** (2016)/21: *Strategic Entrepreneurship and Knowledge Spillovers: Spatial and Aspatial Perspectives*

**Schubert T., Baier E. and Rammer C.** (2016)/22: *Technological Capabilities, Technological Dynamism and Innovation Offshoring*

**Asheim B., Grillitsch M. and Trippi M.** (2016)/23: *Smart Specialization as an innovation-driven strategy for economic diversification: Examples from Scandinavian regions*

**Edquist C.** (2016)/24: *The Swedish National Innovation Council: Innovation policy governance to replace linearity with holism*

**Martin H. and Martin R.** (2016)/25: *Policy capacities for new regional industrial path development – The case of new media and biogas in southern Sweden*

**Grillitsch M. and Trippi M.** (2016)/26: *Innovation Policies and New Regional Growth Paths: A place-based system failure framework*

**Bauer F., Coenen L., Hansen T. McCormick K. and Voytenko Palgan Y.** (2016)/27: *Technological innovation systems for biorefineries – A review of the literature*

**Tavassoli S. and Jienwatcharamongkhol V.** (2016)/28: *Survival of Entrepreneurial Firms: The Role of Agglomeration Externalities*

**Binz C. and Diaz Anadon L.** (2016)/29: *Transplanting clean-tech paths from elsewhere: The emergence of the Chinese solar PV industry*

**Castellani D. and Fassio C.** (2016)/30: *Import, Export and Multinationality. Evidence from Swedish Firms*

## CONFERENCE PAPERS

**Andersson, M., Larsson, J P, and Wernberg, J.** (2016) *The Microgeographies of Diversity and Specialization.* WRSA 2016, Hawaii, USA. February 14-17

**Asheim, B. and Trippi, M.** (2016) *Smart specialisation – the role of universities: Scandinavian cases.* Conference “Changing patterns of territorial policy: smart specialization & innovation in Europe, Seville (Spain) 28-30 September 2016.

**Asheim, B., Grillitsch, M. and Trippi, M.** (2016) *Unrelated knowledge and related diversification – unexplored potentials.* 56<sup>th</sup> ERSA Congress, Vienna (Austria). 23-26 August 2016.

**Asheim, B., Grillitsch, M., Martin, R. and Trippi, M.** (2016) *Unrelated knowledge and related diversification – knowledge base combinations and path development in a DUI-based, globalised world.* EU-SPRI 2016 Annual Conference, Lund, Sweden, 7-10 June 2016.

Aslesen, H.W. **Grillitsch, M.**, Herstad, S. and **R. Martin** (2016) *Regional Innovation Systems and Global Flows of Knowledge*. 11th Regional Innovation Policies Conference, Cardiff, UK, 3-4 November 2016.

**Binz, C.**, Truffer, B. and **Coenen, L.** (2016) *Global Innovation Systems – towards a conceptual framework for systemic innovation conditions in transnational contexts*. 20th Anniversary DRUID Conference, Copenhagen Business School, Copenhagen, Denmark, 13-15 June 2016

**Borrás, S.** and **Edquist, C.** (2016) *Conceptual Underpinnings for Innovation Policy Design: Indicators and Instruments in Context*. 2016 OECD Blue Sky Forum on Science and Innovation Indicators, Ghent.

**Coenen, L.**, **Hansen, T.** and Truffer, B. (2016) *Where and how do socio-technical regimes destabilize? Shifting pathways in the Swedish paper and pulp industry*. San Francisco, USA: AAG 2016 Annual Meeting

**Coenen, L.**, **Grillitsch, M.**, **Hansen, T.** and **Moodysson, J.** (2016) *Towards an innovation system framework for system innovation policy*. 2016 EU-SPRI Conference, Lund, Sweden. 8-10 June 2016.

**Chaminade, C.** and Niforoushan, H. (2016) *Process Approach to Engineered Innovation Networks Failure*. Globelics conference. Bandung, Indonesia. October 2016.

**Chaminade, C.** and Gomez, L. (2016) *Technology-Driven Foreign Direct Investment within the Global South*. Globelics conference. Bandung, Indonesia. October 2016.

Cortinovis, N., **Xiao, J.**, **Boschma, R.** and Van Oort, F. (2016) *Quality of government and social capital as drivers of regional diversification in Europe*. 2016 Eu-SPRI Conference. Lund, Sweden. June 7<sup>th</sup> – 9<sup>th</sup>, 2016.

**Edquist, C.** (2016) *The Swedish National Innovation Council – Governance to replace linearity with the holism in innovation policy?* SPRU 50 Years Conference, Sussex, England. September 7-9, 2016.

**Edquist, C.** (2016). *Separate innovation policy and research policy – to abandon linearity!* EU – SPRI Conference, Circle, Lund. June 7-9, 2016

**Ejermo, O.** and **Zheng, Y.** (2016) *European Integration and the attraction of skilled individuals to Sweden*. EU-SPRI Conference: Exploring new Avenues for Innovation and Research Policies. Lund, Sweden. 8th, June, 2016.

**Fassio, C.** (2016) *Export-led innovation: the role of export destinations*. Annual Meeting of the Academy of International Business, New Orleans, US. 2-5 July 2016

**Fredin, S.**, Jogmark, M., **Miörner, J.** and **Trippl, M.** (2016) *Path creation and key actors of change in non-core regions*. 19<sup>th</sup> Uddevalla Symposium, London. 30 June – 2 July.

**Fuenfschilling, L.** and **Binz, C.** (2016) *Global socio-technical regimes*. The 2016 AAG conference, San Francisco, US.

**Hansen, T.** and Hansen, U.E. (2016) *From leapfrogging of firms to leapfrogging of industries. The effect of outward FDI by emerging market multinationals on home country industrial development*. SPRU 50 Years Conference, Sussex, England. September 7-9, 2016.

Isaksen, A., Tödting, F. and **Trippl, M.** (2016) *Policies for regional economic change: combining actor-based and system-based strategies*. 56<sup>th</sup> ERSA Congress, Vienna (Austria). 23-26 August 2016.

Laatsit, M. and **Borrás, S.** *Towards a Typology of Innovation System Evaluation Practices : Evidence from EU Member States*. Paper presented at OECD Blue Sky Forum on Science and Innovation Indicators, 2016.



Lawton Smith, H., **Trippi, M.** and Waters, R. (2016) *Understanding the role of the state: Evolutionary economic geography and path development policies*. 56<sup>th</sup> ERSA Congress, Vienna (Austria). 23-26 August 2016.

**Lindholm Dahlstrand, Å, Andersson, M.** and **Carlsson, B.** (2016) *Entrepreneurial Experimentation: The Importance of Spin-off and Acquisition of Innovative SMEs*, the SPRU's 50th Anniversary Conference, Brighton, September 2016

**Martin, R.** and J.O. Rypestøl (2016) *Linking Content and Technology: On the Geography of Innovation Networks in the Bergen Media Cluster*. AAG 2016 - Annual Meeting of the Association of American Geographers 28 March – 2 April 2016, San Francisco, USA.

**Miörner, J., Zukauskaitė E., Trippi M.** and **Moodysson J.** (2016) *Creating institutional preconditions for knowledge flows in cross-border regions*. 3<sup>rd</sup> Geography of Innovation Conference, Toulouse, France. 28-30 January 2016

**Miörner, J.** (2016) *Towards a dynamic understanding of Leadership in Regional Innovation Systems*. 2016 EU-SPRI Conference, Lund, Sweden. 8-10 June 2016.

**Schubert, T.** and **Tavassoli, S.** (2016) *The effect of educational diversity in top and functional management teams on search strategy and innovation of firms*, 20<sup>th</sup> Anniversary DRUID Conference, Copenhagen Business School, Copenhagen, Denmark, 13-15 June 2016

**Tanner, AN** (2016) *How do circular economy firms overcome institutional and legislative barriers?* Conference on Circular Economy - Innovative Business Models in the wake of new institutional demands and changing consumer trends, Aarhus University, Campus Herning. 28<sup>th</sup> and 29<sup>th</sup> of November 2016

**Tanner, AN** (2016) *International knowledge sourcing and innovation in the Danish wind power industry: an example of multi-locational innovation processes*, 20<sup>th</sup> Anniversary DRUID Conference, Copenhagen Business School, Copenhagen, Denmark, 13-15 June 2016.

**Tavassoli, S.** and Bengtsson, L. (2016) *Does Business Model Innovation lead to higher innovation performance?* 76<sup>th</sup> Annual Meeting of Academy of Management, Anaheim, California, U.S.A, 5-9 August 2016

**Trippi, M.** and **Zukauskaitė, E.** (2016) *Smart specialization in regions with less-developed regional innovation systems: opportunities and challenges*. Final conference: Smart specialization and regional innovation: lessons for policy and practice, Brussels (Belgium), 12 May 2016.

**Trippi, M., Zukauskaitė, E.** and Healy, A. (2016) *Regional characteristics and smart specialisation strategies: comparative analysis of European regions*. EU-SPRI 2016 Annual Conference, Lund, Sweden, 7-10 June 2016.

## KEYNOTE PRESENTATIONS IN ACADEMIC CONFERENCES

### MARTIN ANDERSSON

Keynote presentation at the Italian Section of Regional Science, September 2016, Ancona, Italy

### SUSANA BORRÁS

Keynote speaker: *“Conceptualizing ‘governance’ in socio-technical systems. A geography perspective”* 3rd Geography of Innovation Conference - Toulouse, France, 28th-30th January 2016

Closing Remarks at the workshop: *“Mapping Research and Innovation in the State of Israel”* UNESCO Go-Spin workshop, The Israel Academy of Sciences, Jerusalem, Israel, January 17<sup>th</sup>, 2016

Keynote speaker: *“Closing the gap between industry and academia, the Danish case”* in the public event *“Breaking down borders in research”* Århus, February 27<sup>th</sup>, 2016.

Closing Panel Debate, Plenary session, EU-SPRI 2016 Annual conference, June 7<sup>th</sup>-10<sup>th</sup> 2016, Lund University, Sweden.

### RON BOSCHMA

Regional Diversification and Institutions, ICC Conference, Haas Business School, University of California, Berkeley, 12 December 2016

Regional Diversification and Institutions, EAEPE workshop Bochum Germany, 28 November 2016

How do regions diversify? Conference on Automotive Industry, Torino University Italy, 21 November 2016

Clusters and Smart Specialization, 19<sup>th</sup> TCI Global Conference Eindhoven, the Netherlands, 9 November 2016

Opportunities for Smart Specialization, conference Bodo Norway, 14 October 2016

Innovation and Space, workshop Leipzig University, 14 July 2016

Future Research Agenda on Innovation Systems, international conference Schumpeter Society, Montreal, 6 July 2016

Evolutionary Economic Geography. Future Research Agenda, annual conference German section Evolutionary Economics, Hannover, 30 June 2016

How do regions diversify? conference on Automotives and Regional Development, Munk School of Global Affairs, Toronto University Canada, 28 June 2016

Regional diversification: Current state of affairs and how to go from here, Annual Lecture Jena University Lecture Series, University of Jena, 24 May 2016

Evolutionary Economic Geography, workshop Regional Policy, Kore University, Italy, 17 May 2016

Regional policy, conference London School of Economics, 21 April 2016

Regional diversification and institutions, European Regional Studies Association Conference, Graz, 4 April 2016

## CHARLES EDQUIST

“Design of innovation policy, innovation-related public procurement and critical assessment of the Innovation Union Scoreboard”. Workshop on the conceptual foundations of innovation indicators, National Academy of Sciences, Washington DC, May 19-20, 2016.

“Policy rationales, governance and policy instruments for a holistic and transitional innovation policy”. KAIST Global Lecture, KAIST - Kora Advanced Institute of Science and Technology, Seoul, Korea, November 30, 2016.

“Innovation-related public procurement: Demand functions instead of products!” Science and Technology Policy Institute (STEPI) Korea, December 1, 2016.

## MAGNUS NILSSON

Regional development – spillovers, innovation and growth in core and periphery, Inaugural Young Economic Geographers Workshop (YEG), Bern, 17-19 August

## SAM TAVASSOLI

Innovation Surveys and Innovation Policy Workshop, 8th March 2015, Iranian vice-presidency of Science & Technology, Tehran, Iran

## MICHAELA TRIPPL

Innovation-driven integration dynamics in cross-border regions. 15<sup>th</sup> Border Regions in Transition (BRIT) Conference: Cities, States and Borders: From the Local to the Global, Hamburg (Germany) and Sonderborg (Denmark), May 17-20

## AWARDS FOR RESEARCH AND PERSONAL GRANTS

### RON BOSCHMA

Prof. Ron Boschma was ranked by Thomson Reuters among the top 1% of highly-cited researchers worldwide in 2016.

### CHARLES EDQUIST

Award in Economics and Innovation Management for the paper "Is more always better? Analysing the Innovation Union Scoreboard", co-authored with Jon Mikel Zabala-Iturriagoitia, UAM – Accenture Chair 2015, Autonomous University of Madrid.

### OLOF EJERMO

Personal grant, 2017-2018 Innovation teamwork, Handelsbanken program, Scholarship grant no. P2016-0112:1. 500 000 SEK

### CLAUDIO FASSIO

Personal grant, 2017-2018, Young talents from abroad: The impact of foreign graduates on the international operations of Swedish firms, Jan Wallander och Tom Hedelius Stiftelse – Handelsbanken no. P2016-0058:1. 919 000 SEK

### YANNU ZHENG

Personal grant, Anna Nilsson Foundation Fund for Scientific Research, research and travel grant for female teachers or students at the university, no. RFh 2015-0156. 4100 SEK

## TEACHING AND SUPERVISION BY CIRCLE EMPLOYEES

### COURSES AT LUND UNIVERSITY

#### CHRISTIAN BINZ

CIRCLE and LTH, master thesis supervision in the specialization Business and Innovation

#### CRISTINA CHAMINADE

CIRCLE and LTH, Globalization and Innovation

#### LARS COENEN

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

#### CLAUDIO FASSIO

Faculty of Business and Economics,  
Management, Innovation Management and Open Innovation

CIRCLE and LTH, Entrepreneurship in New and Established Ventures

#### MARKUS GRILLITSCH

Faculty of Social Science, Department of Human Geography, Programme Director, Bachelor of Science Programme in Urban and Regional Planning

Faculty of Social Science, Department of Human Geography, Economic Geography

Faculty of Social Science, Department of Human Geography, Global challenges: resources, environment, business

Faculty of Social Science, Department of Human Geography, Basis for planning

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

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

Faculty of Social Science, Department of Human Geography, Geographies of Economies: Transforming places, people and production

CIRCLE and LTH, Globalisation and Innovation

#### JOHN KÄLLSTRÖM

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

#### JU LIU

CIRCLE and LTH, Globalisation and Innovation

#### ROMAN MARTIN

CIRCLE and LTH, Innovation Management

CIRCLE and LTH, Globalization and Innovation

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

#### JOHAN MIÖRNER

School of Economics and Management,  
Department of Economic History, Supervision of Master Thesis

#### 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, From Innovation to Consumer Insight

School of Economics and Management, Functions of Management – Innovation

School of Economics and Management, Degree project in Global Marketing

## JOSEFINE REKERS

Faculty of Social Sciences, Department of Human Geography.

## PALINA SAUCHANKA

School of Economics and Management, Department of Economics, Makroekonomi

School of Economics and Management, Department of Economics, Advanced Macroeconomic Analysis

School of Economics and Management, Department of Economics, Advanced Development Economics

School of Economics and Management, Department of Economic History, Supervision of Master Thesis

## TORBEN SCHUBERT

CIRCLE and LTH, Globalization and Innovation

## MICHAELA TRIPPL

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

## ELENA ZUKAUSKAITE

CIRCLE and LTH, Entrepreneurship in New and Established Ventures

Faculty of Social Sciences, Department of Human Geography, Region as an arena in economic development

## COURSES AT OTHER UNIVERSITIES

### SUSANA BORRÁS

Business and Global Governance, Copenhagen Business School

International Business and Politics, Copenhagen Business School

Social Science Research Design and Methods, doctoral school Organisation & Management Studies, Copenhagen Business School

Advanced European Business and Politics: A case-based approach, MA ICM program, Copenhagen Business School

### RON BOSCHMA

International PhD course Economic Geography, Utrecht University

### CRISTINA CHAMINADE

How to prepare good research proposals. PhD course. Universidad Autonoma de Madrid, Spain.

Global innovation networks: state of the art and way ahead. INGENIO (CSIC\_UPV), Universitat Politècnica de València. Valencia.

#### LARS COENEN

The Arctic University of Norway – Tromsø,  
School of Business and Economics, Innovation  
and Sustainability Transition

#### LEA FUENFSCHILLING

University of Lucerne, Department of Sociology,  
Theories in organizational studies: Neo-  
institutionalism and network theory

University of Lucerne, Department of Sociology,  
Research seminar I (qualitative methods)

#### ÅSA LINDHOLM DAHLSTRAND

Entrepreneurship Theory and Practise, PhD  
course, Linköping University

What to do after the PhD? Carrier in academy,  
TME Graduate School, Chalmers University.

#### JU LIU

Malmö University College, Faculty of Culture and  
Society, Department of Urban Study,  
Globalisation and sustainability, Strategic  
Management

#### ROMAN MARTIN

University of Gothenburg, Faculty of Social  
Sciences, Department of Political Science,  
Integrating European Market

University of Gothenburg, Faculty of Social  
Sciences, Department of Political Science,  
Examensarbete i Europakunskap

#### TORBEN SCHUBERT

Norwegian Research School in Innovation,  
Survey of Quantitative Research

## SUPERVISION OF PHD STUDENTS

### MARTIN ANDERSSON

Mark Bagley, Jönköping University

Niklas Lavesson, Lund University

Palina Sauchanka, Lund University

Lina Ahlin, Lund University

Joakim Wernberg, Lund University

Lucinda David, Lund University

Eleonore Huang-Vogel, Blekinge Institute of Technology

### SUSANA BORRÁS

Mart Laatsit, Department of Business and Politics, Copenhagen Business School

### RON BOSCHMA

Matte Hartog, Utrecht University

Matthias Brachert, Utrecht University

Dario Diodato, Utrecht University

Sergio Petralia, Utrecht University

Mathieu Steijn, Utrecht University

### BO CARLSSON

Carolyn Cameron, Case Western Reserve University

Michael deSa, Case Western Reserve University

Carl Greppin, Case Western Reserve University

Larry Griffith, Case Western Reserve 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

Paris Hadfield, University of Melbourne

### OLOF EJERMO

Yannu Zheng, Lund University

John Källström, Lund University

Kalash Basheer, University of Luxembourg School of Finance

### MARKUS GRILLITSCH

Kadri Kuusk, Lund University

### ÅSA LINDHOLM DAHLSTRAND

Eva Berggren, Halmstad University and Chalmers University,

Andes Billström, Halmstad University and Chalmers University of Technology.

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

Kjersti Kjos Longva, The Arctic University of Norway and NORSI

Yana Borisenko, Lund University



## JERKER MOODYSSON

Johan Miörner, Lund University

Hjalti Nielsen, Lund University

Lionel Sack, Lund University

Joakim Wernberg, Lund University

## MAGNUS NILSSON

Clarissa Sia-Ljungström, Lund University

Yana, Borissenko, Lund University

## MARTIN SRHOLEC

Jaber Tahrir, University of Tromso, Norway

## MICHAELA TRIPPL

Sabrina Fredin, Blekinge Institute of Technology and Lund University

Hanna Martin, Lund University

Johan Miörner, Lund University

## ACCREDITATION OF EDUCATION

### ÅSA LINDHOLM DAHLSTRAND

In 2016 external expert evaluator for the re-accreditation of the Master Programme "Teknisk videnskab – innovation and business" Syddansk universitet, for the Danish government agency "ACE Denmark – Akkrediteringsinstitutionen".

In 2016 external expert evaluator for the re-accreditation of the Master Programme "Kandidatuddannelsen i teknologibaseret forretningsudvikling" Aarhus University, for the Danish government agency "ACE Denmark – Akkrediteringsinstitutionen".

In 2016 external expert evaluator for the re-accreditation of the Master Programme "Kandidatuddannelse i værdikæder og teknisk ledelse", Aalborg Universitet, Campus København, for the Danish government agency "ACE Denmark – Akkrediteringsinstitutionen".

### POLICY REPORTS

**Andersson, M.**, Johansson, B and Löf, H (2016) *Four Dimensions of Innovation – basic indicators and their predictors*, VINNOVA

**Andersson, M.**, Heshmati, A., Johansson, B., Löf, H. and Nabavi, P. (2016) *Innovationsindikatorer – indikatorer för FoU, innovation och produktivitet*, VINNOVA

**Boschma, R.** and Rodriguez-Pose, A. (2016) *How openness can ensure economic growth and jobs across Europe*, report for RISE group, DG Research and Innovation, Brussels.

**Boschma, R., Balland P. A.** and Rigby D. (2016) *Linking impacts to open innovation, increasing the local impact using the related variety and complexity concepts: empirical findings of regions patent data*, report for RISE group, DG Research and Innovation, Brussels

**Chaminade, C** and Gómez, Lucia (2016) *The changing geography of innovation? Technology driven investments in or 'within' the global South*. In Cornell, INSEAD and WIPO, Global Innovation Index report 2016. Geneva.

**Chaminade, C.** and Plechero, M. (2016) *International knowledge flows in the Europe. Innovation Union Competitiveness Report*. Brussels: European Commission.

**Coenen, L., Bauer, F., Hansen, T., Hellsmark, H., McCormick, K.** and Voytenko Palgan, Y. (2016) *Enabling the transition to a bio-economy: innovation system dynamics and policy: Summary report from an f3 project*

**Ejermo, O.** (2016) *Den svaga länken? Inkubatorernas roll i det svenska innovationssystemet [A Weak Link? The Role of Incubators in the Swedish Innovation System]*, Örebro University and Entrepreneurship Forum, Örebro

Jacob, M., **Lindholm Dahlstrand, Å.** and Sprutacz, M. (2016) *RIO Country Report: Sweden 2015*. (JSR Science for Policy Report ). Brussels: Publications Office of the European Union. EUR 27859 EN; doi:10.2791/21226

**Wernberg, J.** and **Andersson, M.** (2016) *Digital State of the Region 2016: Cities Connecting the Digital Economy in the Baltic Sea Region*

**Wernberg, J.** and Dexe, J. (2016) *Rewiring Europe: Five Priorities for a Lasting Digital Economy*

**Wernberg, J.** (2016) *Towards a Cross-border Open Data Agenda: A case for a macro-regional agenda on open government Data in the Baltic Sea Region*.

## ASSIGNMENT IN POLICY BOARDS AND EVALUATION PANELS

### MARTIN ANDERSSON

Member of Regional policy forum at the Swedish Entrepreneurship Forum

### RON BOSCHMA

Member of RISE (Research, Innovation and Science Experts) High-Level Advisory Body of European Commissioner Carlos Moedas

Member of Board International Regional Studies Association

### SUSANA BORRÁS

Board member, Konsistoriet, Karolinska Institutet, Sweden

Board member, Center for Ledelse, Copenhagen, Denmark

Member of ATV (Akademiet for Teknisk Videnskab), Denmark

Member of the Research Panel in the thinktank Europa (forskerpanel i Tænk tanken Europa), Denmark

Member of the Scientific Advisory Board of the Centre for European Studies, Sciences-Po Paris, France

Member of the International Academic Council of IBEI (Institut Barcelona d'Estudis Internacionals), Spain

### CHARLES EDQUIST

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

Member, Council for Strategic Public Procurement, Skåne Region, Malmö Sweden

### ÅSA LINDHOLM DAHLSTRAND

Member of the Expert Group for evaluation of the 2016 European Prize for Innovation in fusion research, European Commission, DG Research and Innovation, Unit G.5- Fusion energy

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

Member of the Expert Group for RIO Country Report 2016, The Research and Innovation Observatory (RIO), JRC, European Commission.

Member of the Advisory Board for the TRIGGER Project (EU funded research project, Full title: Transforming Institutions by Gendering contents and Gaining Equality in Research

### TORBEN SCHUBERT

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

### ANNE TANNER

Expert Panel Member of the ENERGIX-programme for the Research Council of Norway

### JOAKIM WERNBERG

Member, Advisory board to the think tank Top of Digital Europe

## DEBATE ARTICLES

**Edquist, C.** (2016) Funktionsupphandling för ökad innovation, *Upphandling 24*, 2016-02-23

**Edquist, C.** (2016) Så kan upphandling förbättras, *Dagens Industri*, 27.01.2016.

**Borrás, S.** (2016) Forsimplet innovationsjubel, *Børsen*, 18.8.2016, s. 4

## ORGANIZATION OF POLICY WORKSHOPS

### CHRISTIAN BINZ

Special Session Stream on 'Fostering innovation and industrial development in globalizing innovation systems: Policy challenges of a multipolar global economy' at the 2016 Eu-SPRI Annual conference in Lund, SE. Attendance: Scholars, policy analysts and policy specialists from VINNOVA

### SUSANA BORRÁS

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

### CRISTINA CHAMINADE

Global innovation networks and regional dynamics. Presentation at the Consell de Innovació of the Generalitat de València (Innovation council at the Valencia government). Valencia, 29th April 2016.

### CHARLES EDQUIST

EU-SPRI Annual Conference, Chairman of the Organizing Committee Lund, Sweden, June 7-9, 2016

### 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

"Experiment och exploatering – Så samverkar företagen i entreprenöriella innovationssystem", ESTRAD Maj 2016

Invited keynote speaker "The State of the Art of Innovation System from the Swedish Perspective", SSIM-Sino: Sweden Innovation and Intelligent Manufacturing Symposium, Shanghai Dianji University (SDJU), Shanghai, China April 2016.

Invited keynote speaker "Entrepreneurial Education Practice and Research in Sweden", SSIM-Sino: Sweden Innovation and Intelligent Manufacturing Symposium, Shanghai Dianji University (SDJU), Shanghai, China April 2016.

## MEDIA EXPOSURE

### SUSANNA BORRÁS

Watch out for neo-luddism - Blog Post.

Regional Innovation Policies : Any Recent Changes? Blog post

Simplistic Innovation Cheer Blog post

The New Impact Agenda and its Challenges Blog post

Two-Directional University Knowledge Transfer Blog post

### RON BOSCHMA

Interviewed by Financieel Dagblad (National Financial Newspaper in the Netherlands) 21 November 2016

Interviewed by Financieel Dagblad (National Financial Newspaper in the Netherlands) 23 November 2016

### BO CARLSSON

Interview with Jenny Andersson, Öresundsinstitutet, for a report on the regional life science cluster for the Medicon Valley Alliance

### OLOF EJERMO

Debate in Svenska Dagbladet regarding the policy report *Den svaga länken? Inkubatorernas roll i det svenska innovationssystemet*, see SvD <http://www.svd.se/klacker-vi-ratt-sorter-agg>, in print published 2016-08-30; <http://www.svd.se/replik-inkubatorer-ar-inte-bara-aggklackare>; <http://www.svd.se/replik-hog-kunskap-ar-inte-lika-med-innovativ-formaga>; and my own response: <http://www.svd.se/replik-sa-kan-inkubatorerna-gora-mer-nytta>

Interview by the national Swedish Radio show "Vetenskapsradion" on August 10, 2016 regarding the policy report *Den svaga länken? Inkubatorernas roll i det svenska innovationssystemet*, presented in Almedalen (Gotland), see <http://sverigesradio.se/sida/artikel.aspx?programid=406&artikel=6491310>

### JOERI WESSELING

Interview for the radio programme : Einde hybride auto na afschaffen fiscale voordelen? Radio 1, 25/8/2016.