

NORSI (NORWEGIAN RESEARCH SCHOOL IN INNOVATION) COURSE ON 'GEOGRAPHY OF INNOVATION: INNOVATION SYSTEMS AND CLUSTERS',

University of Stavanger, Stavanger, Norway, Monday 13th February – Friday 17th February 2017

Coordinator/course organiser: Professor Bjørn T. Asheim, University of Stavanger and CIRCLE, Lund University (bjorn.t.asheim@uis.no)

Course leaders: Professor Bjørn T. Asheim, professor Arne Isaksen, University of Agder (arne.isaksen@uia.no) and professor Rune Dahl Fitjar, University of Stavanger (rune.d.fitjar@uis.no)

Where/Room: University of Stavanger (UIS), Elise Ottesen-Jensens hus, Room EOJ 276/277

Program:

Monday 13th February:

10.00-10.15: Professor Bjørn T. Asheim: Introduction to the course

10.15-13.00: Professor Bjørn T. Asheim: Knowledge bases, regional innovation systems and new path development

Readings:

Asheim, B. T. and Gertler, M. (2005): The Geography of Innovation: Regional Innovation Systems, in Fagerberg, J., Mowery, D., and Nelson, R. (eds.), The Oxford Handbook of Innovation. Oxford University Press, Oxford, 2005, 291-317.

Asheim, B., Grillitsch, M., and Trippel, M. (forthcoming): Regional Innovation Systems: Past – Presence – Future, in Doloreux, D., Shearmur, R., and Carrincazeaux, C. (eds.), Handbook on the Geography of Innovation, Edward Elgar, Cheltenham (also published as Papers in Innovation Studies No. 2015/36, CIRCLE, Lund University).

Coenen, L., Asheim, B.T., Bugge, M., and Herstad, S. (forthcoming): Advancing regional innovation systems: What does evolutionary economic geography bring to the policy table? Environment & Planning C.

Martin, R., & Moodysson, J. (2013). Comparing Knowledge Bases: On the Geography and Organization of Knowledge Sourcing in the Regional Innovation System of Scania, Sweden. European Urban and Regional Studies, 20(2), 170-187.

Grillitsch, M., Martin, R., and Srholec, M. (forthcoming). Knowledge base combinations and performance in Swedish regions. Economic Geography.

13.00-14.00: Lunch

14.00-17.00: Professor Sverre Herstad, Lillehammer University College, Norway: Urbanization and innovation activity at the firm level

Readings:

Suarez-Villa, L. and Walrod, W. (1997): Operational strategy, R&D and intra-metropolitan clustering in a polycentric structure: The advanced electronics industries of the Los Angeles basin. Urban Studies 34(9): 1343-1380

Doloreux, D. and Shearmur, R. (2012): Collaboration, information and the geography of innovation in knowledge intensive business services. Journal of Economic Geography 12: 79-105

Herstad, S. and Ebersberger, B. (2015). On the link between urban location and the involvement of knowledge intensive business services in collaboration networks. *Regional Studies* 49(7): 1160-1175

Herstad, Sverre J. (2017). Innovation strategy choices in the urban economy. Accepted for publication in *Urban Studies* (2017).

Tuesday 14th February:

10.00-13.00: Professor Andres Rodriguez-Pose, London School of Economics, UK and University of Stavanger, Norway: Institutions and innovation in Europe

Readings:

Rodriguez-Pose, A. and Di Cataldo, M. (2014): Quality of government and innovative performance in the regions of Europe, *Journal of Economic Geography*, pp. 1–34.

Rodriguez-Pose, A. (2013): Do Institutions Matter for Regional Development? *Regional Studies*, 47:7, 1034-1047.

Rodriguez-Pose, A. (1999): Innovation Prone and Innovation Averse Societies: Economic Performance in Europe, *Growth and Change*, Vol. 30 (Winter 1999), pp.75-105.

13.00-14.00: Lunch

14.00-17.00: Professor Arne Isaksen, University of Agder, Norway: Modes of innovation and path dependent regional industrial development

Readings:

Jensen, M. B., Johnson, B., Lorenz, E. and Lundvall, B. Å. (2007): Forms of knowledge and modes of innovation. *Research Policy*, 36: 680-693.

Simmie, J. (2013): Path dependence and new technological path creation in the economic landscape. In Cooke, P. (ed.), *Reframing Regional Development*. Routledge (pp. 164-185)

Isaksen, A. and Trippel, M. (2017): Innovation In Space. The mosaic of regional innovation patterns. *Oxford Review of Economic Policy* (forthcoming).

Wednesday 15th February:

10.00-13.00: Professor Jerker Moodysson, Jönköping International Business School, Sweden: Institutional change, innovation and policy coordination: Illustrations from Sweden

Readings:

Coenen, L., Moodysson, J. and Martin, H. (2015): Path renewal in old industrial regions: possibilities and limitations for regional innovation policy. *Regional Studies*, 49(5), 850-865.

Hollingsworth, J.R. (2000): Doing institutional analysis: implications for the study of innovations. *Review of International Political Economy*, 7(4), 595-644.

Moodysson, J. and Zukauskaitė, E. (2014): Institutional conditions and innovation systems: on the impact of regional policy on firms in different sectors. *Regional Studies*, 48(1), 127-138.

Moodysson, J. and Sack, L. (2016): Institutional stability and industry renewal: diverging trajectories in the Cognac beverage cluster. *Industry and Innovation*, 23(5), 448-464.

Moodysson, J., Trippi, M. and Zukauskaitė, E. (2016): Policy learning and smart specialization: Balancing policy change and continuity for new regional industrial paths. *Science and Public Policy* (forthcoming).

Scott, W.R. (2010): Reflections: The past and future of research on institutions and institutional change. *Journal of Change Management*, 10(1), 5-21.

13.00-14.00: Lunch

14.00-17.00: Professor Michaela Trippi, University of Vienna: Austria: New regional industrial path development in core and non-core regions

Readings:

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*, Routledge, London, pp. 66-84 (also published as WP: Papers in Innovation Studies No 2014/17, CIRCLE, Lund University).

Isaksen, A. and Trippi, M. (2016): Exogenously led and policy supported new path development in peripheral regions: analytical and synthetic routes. *Economic Geography*. Doi: 10.1080/00130095.2016.1154443<<http://dx.doi.org/10.1080/00130095.2016.1154443>>

Dawley, S., MacKinnon, D., Cumbers, A. and Pike, A. (2015): Policy activism and regional path creation: the promotion of offshore wind in North East England and Scotland. *Cambridge Journal of Regions, Economy and Society* doi: 10.1093/cjres/rsu036.

Grillitsch, M. and Trippi, M. (2016): Innovation Policies and New Regional Growth Paths: A place-based system failure framework. *Papers in Innovation Studies*, No. 2016/26, CIRCLE, Lund University. http://wp.circle.lu.se/upload/CIRCLE/workingpapers/201626_grillitsch_et_al.pdf

Thursday 15th February:

10.00-13.00: Associate professor Dieter Kögler, University College Dublin, Ireland: Technology Evolution in Regional Economies: Knowledge, Innovation, Development

Readings:

Delgado M., Porter M. E. and Stern S. (2014): Clusters, convergence, and economic performance, *Research Policy* 43, 1785-1799.

Feldman M. P. and Kogler D. F. (2010): Stylized facts in the geography of innovation. In Hall B. H. and Rosenberg N. (Eds) *Handbook of the Economics of Innovation*, pp. 381–410. Elsevier, Oxford.

Feldman M. P., Kogler D. F. and Rigby D. L. (2015): rKnowledge: the spatial diffusion and adoption of rDNA methods. *Regional studies* 49(5), 798-817.

Kogler D. F., Essletzbichler J. and Rigby D. L. (2016): The evolution of specialization in the EU15 knowledge space, *Journal of Economic Geography*, 1-29. doi:10.1093/jeg/lbw024

Martin R. and Sunley P. (2015): Towards a Developmental Turn in Evolutionary Economic Geography? *Regional Studies* 49, 712-732.

13.00-14.00: Lunch

14.00-17.00: Professor Stig-Erik Jakobsen, Bergen University College, Norway: The scale and scope of industry clusters: On the role of policy in stimulating cluster evolution, innovation and regional development

Readings:

Aarstad, J., Kvitastein, O.A., and Jakobsen, S-E. (2016): Related and unrelated variety as regional drivers of enterprise productivity and innovation: A multilevel study. *Research Policy* 45(4), 844-856

Njøs, R. and Jakobsen, S-E. (2016): Cluster policy and regional development: Scale, scope and renewal. *Regional Studies, Regional Science*, Vol 3, 146-169

Fløysand, A., Jakobsen, and S-E.; Bjarnar, Ove. (2012): The dynamism of clustering: interweaving material and discursive processes. *Geoforum*, Vol 43(5), 948-958

Frenken, K., Cefis, E. and Stam, E. (2015): Industrial dynamics and cluster. A survey. *Regional Studies*, Vol 49, 10-27

Friday 17th February:

10.00-13.00: Professor Ron Boschma, Utrecht University and Lund University: Evolutionary Economic Geography: Relatedness and diversification

Readings:

Frenken, K., van Oort, F. and Verburg, T. (2007): Related variety, unrelated variety and regional economic growth, *Regional Studies* 41, 685-697.

Neffke, F., Henning, M. and Boschma, R. (2011): How do regions diversify over time? Industry relatedness and the development of new growth paths in regions, *Economic Geography* 87, 237-265

Boschma, R.A. and Wenting, R. (2007): The spatial evolution of the British automobile industry: does location matter? *Industrial and Corporate Change* 16 (2), 213-2

Boschma, R. and Capone, G. (2015): Institutions and diversification: Related versus unrelated diversification in a varieties of capitalism framework, *Research Policy* 44, 1902-1914

Cortinovis, N., Xiao, J., Boschma, R., and van Oort, F. (2016): Quality of government and social capital as drivers of regional diversification in Europe, *Papers in Evolutionary Economic Geography*, 16.10, Utrecht University, Utrecht

13.00-14.00: Lunch

14.00-17.00: Professor Rune Dahl Fitjar, University of Stavanger: Regional innovation in a global economy – institutions, networks and policy

Readings:

Dahl Fitjar, R. and Huber, F. (2014): Local pipelines for innovation: insights from the case of Norway, *Journal of Economic Geography*, pp. 1–23.

Bathelt, H. and Turi, P.: (2011), Local, global and virtual buzz: The importance of face-to-face contact in economic interaction and possibilities to go beyond, *Geoforum*, 42, 520-529.

Dahl Fitjar, R. and Rodríguez-Pose, A. (2015): Networking, context and firm-level innovation: Cooperation through the regional filter in Norway, *Geoforum*, 63, 25-35.

Morrison, A, Rabellotti, R., and Zirulia, L. (2013): When Do Global Pipelines Enhance the Diffusion of Knowledge in Clusters? *Economic Geography*, Vol. 89, No.1.

Application and deadline:

Send an email to Birte Horn-Hanssen (birte.m.horn-hanssen@bi.no) with cc to Bjørn T. Asheim (Bjorn.Asheim@circle.lu.se), Rune Dahl Fitjar (rune.d.fitjar@uis.no), Arne Isaksen (arne.isaksen@uia.no) by 1 February 2017.

For PhD students not part of the NORSI doctoral school a short motivation and presentation of the topic of the PhD dissertation or work should accompany the application.

Evaluation:

To obtain 7.5 ECTS point requires active participation during the course, presentation of outline of PhD dissertation as well as an accepted paper of 4.000 - 5.000 words based on the course literature. The paper should, if possible, also reflect the topic of the dissertation, so that it in a revised form could be part of a paper based dissertation. Due date: 2 May 2017.

Practical information:

Participants should arrange transport (travel) by themselves. NORSI students can book their hotel room via Birte. Send her an email: birte.m.horn-hanssen@bi.no

Accommodation and transport costs for NORSI students will be refunded when the course is successfully completed. PhD students not part of NORSI will have to cover their expenses themselves.

Maps and addresses:

UiS has an interactive map where you can enter in the address and it shows you where the building is located at UiS. Here: <http://www.uis.no/kart/>

The address to IRIS is: <http://www.iris.no/about-iris/contact-map>