

INNOVATIVE CLUSTERS: THE CASE OF ROMANIA

Monica DUDIAN

Academy of Economic Studies, Piata Romana 6, Bucharest, Romania
 Monica.dudian@gmail.com

Abstract

The objective of this paper is to argue the importance of innovative clusters for the regional development having as example Romania. Many empirical studies emphasize a positive relationship between the cluster-like organization and the development extent at local or national level. The current article comprises a synthesis of these studies. On these grounds the formal clusters from Romania are analyzed in terms of their capacity to catalyze the regional development. The main conclusion of the work is that the Romanian economy does not have the experience of cooperation within a micro-economic network. The innovative clusters are very young and they have not demonstrated their growth potential.

Keywords: innovative cluster, institutional cluster, regional development, economic growth

REFERENCES

- ACAROM (2011). *Asociatia Constructorilor de Automobile din Romania*. Retrieved April, 10, 2011 from <http://www.acarom.ro/ro>
- APTMH (2011). *Asociatia pentru Promovarea Turismului Mehedinti*. Retrieved April, 10, 2011 from <http://www.aptmh.tk/>
- ARIES-TM (2011). *Asociatia Romana pentru Industria Electronica si Software Filiala Timisoara*. Retrieved April, 11, 2011 from <http://www.aries-tm.ro/index.php?id=62&L=3>
- Arita, T., Fujita, M. and Kameyama, Y. (2004). *Regional Cooperation of Small&Medium Firms in Japanese Industrial Clusters*. Discussion paper no.18, Institute of Developing Economies, Retrieved from <http://www.ide.go.jp/English/>
- Asociatia pentru promovarea si dezvoltarea turismului Litoral – Delta Dunarii (2011). Retrieved April, 14, 2011 from <http://www.asociatia-litoral.ro/>
- ASTRICO NE (2011). *Cluster textil Astrico NE*. Retrieved April, 11, 2011 from <http://www.astricone.eu/cluster-textil-astricone.php>
- Bortagaray, I. and Tiffin, S. (2000). *Innovation Clusters in Latin America*, presented at the 4th International Conference on Technology Policy and Innovation Curitiba, Brazil, Aug. 28 – 31, 2000, Retrieved from www.ssrn.com
- Botelho, A.J.J., Alves A.S., and Bastos, G.M. (2010). Collective Goods for Reformatting the Rio de Janeiro Software Cluster into a Local Innovation System. In Kuchiki, A. and Tsuji, M. (Eds.), *From Agglomeration to Innovation* (pp.166 – 203), UK: Palgrave Macmillan.
- Bröcker, J., Dohse, D., and Soltwedel, R. (2003). *Innovation Clusters and Interregional Competition*, Berlin : Springer Verlag.

- Bucovina Turism (2011). *Asociatia pentru Turism Bucovina*. Retrieved April, 15, 2011 from <http://www.bucovinaturism.ro/>
- Constantza, NC., MPA. (2011). *Romania: Study case on the transferability of the clustering experiences. Watermode Project*, Retrieved from http://www.watermode.eu/docs/1854/Clusters_Study_Clusters_Romania.pdf.
- Coriat, B. and Weinstein, O. (1995). *Les Nouvelles Theories de l'entreprise*, Paris: Librairie Generale Francaise.
- Delgado, M., Porter, M.E. and Stern, S. (2011). *Clusters, Convergence, and Economic Performance*, Retrieved from http://www.isc.hbs.edu/pdf/DPS_Clusters_Performance_2011-0311.pdf.
- Europe Innova (2011). *World-class Clusters at your Fingertips*, Retrieved April, 9, 2011 from www.clusterobservatory.eu
- 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, Oxford, UK: Elsevier.
- Ferrari, M.R. (1999). *Small enterprise clusters for local development in a transition context: the case of Romania*, Milan, Bocconi University, Retrieved from http://www.marcoferrari.net/materiali/SME_clusters_for_local_development_of_Romania.pdf.
- Greenenergy (2010). *Asociatia „Green Energy”*. Retrieved April, 10, 2011 from <http://greenenergy.org.ro/green/>
- Guth, M. and Coșniță, D. (2010). *Clusters and Potential Clusters in Romania*, Retrieved from http://www.minind.ro/presa_2010/iulie/MappingReport_230710.pdf.
- Hermans, J., Castiaux, A., Dejardin, M. and Lucas, S. (2010). Configuration in the flesh: challenges in publicly promoted clusters. *The Journal of Technology Transfer*, Springer, Retrieved from <http://www.springerlink.com/content/I51r14118m22wk15/>.
- INCLUD (2004). *Industrial Cluster Development. Interreg III B CADSES Programme* (Central Adriatic Danubian South Eastern European Space), Brussels.
- Ionescu, V. (1999). *Supply-Side Strategy for Productivity, Competitiveness and Convergence between the CEECs and (in) the EU - Romania Case Study*, Bucharest, 1999.
- IRCETT (n.d.). *Institutul Regional pentru Cercetare, Educatie si Transfer Tehnologic, Agentia pentru Dezvoltare Regionala Nord Vest*. Retrieved April, 10, 2011 from <http://www.nord-vest.ro/>
- Ko-Fa (2006). *Asociatia Lemnarilor din Judetul Covasna*. Retrieved April, 12, 2011 from <http://www.kofa.ro/main.php>
- Kuchiki, A. and Tsuji, M. (2009). *From Agglomeration to Innovation. Upgrading Industrial Clusters in Emerging Economies*, UK: Palgrave Macmillan Retrieved from www.palgraveconnect.com
- Lundvall, B-A., Joseph, K.J., Chaminade, C. and Vang, J. (2009) *Handbook of Innovation Systems and Developing Countries*, Chantelham: Edward Elgar.
- Majocchi, A. (2000). Are industrial clusters going international? The case of Italian SMEs in Romania. *Universita Dell'Insubria*, available on <http://eco.uninsubria.it>.
- Morone, A. and Taylor, P. (2010). Guessing Games and People Behaviours: What Can we Learn?. *Economic Bulletin*, Vol. 30/3, pp. 2097-2106.
- OECD. (2007). *Vers des pôles d'activités dynamiques*, Retrieved from www.sourceoecd.org

- PACTMAR (n.d.). *Patronatul Constructorilor de Tractoare și Mașini Agricole din Romania*. Retrieved April, 10, 2011 from http://www.inma.ro/pactmar/index_Page266.htm
- Passiante, G. and Secundo, G. (2002). *From geographical innovation clusters towards virtual innovation clusters: the Innovation Virtual System*, Retrieved from http://www.raumplanung.tu-dortmund.de/rwp/ersa2002/en/documents/ersa2002papers_savedir/270.pdf
- Porter, M.E. (1998). Clusters and the new economics of competition. *Harvard Business Review*, Vol. 76/6, pp. 77 – 90.
- Porter, M.E. (2000). Location, competition and economic development: Local clusters in a global economy. *Economic Development Quarterly*, Vol. 14/1, pp. 15–34.
- Porter, M.E. (2003). *The Economic Performance of Regions*. Presentation. The Indiana Leadership Summit Indianapolis, Indiana, Retrieved from http://www.isc.hbs.edu/pdf/Indiana_Leadership_Summit_2003.05.13.pdf.
- Porter, M.E. (2005). *The Porter Cluster Model, Background and Methodology*, Retrieved from http://www.isc.hbs.edu/njcmp/The_Porter_Cluster_Model.pdf.
- Rutten, R. and Boekema, F. (2007). *10 Regional Externalities and Clusters: a Dutch Network Case-Study*. Tilburg University working paper.
- Saxenian, A. (1996). *Regional Advantage: Culture and Competition in Silicon Valley and Route 128*. USA: Harvard University Press.
- Sonobe, T. and Otsuka, K. (2011). *Cluster-Based Industrial Development: an East Asian Model*. UK: Palgrave Macmillan, Retrieved from www.palgraveconnect.com
- Swann, G.M.P. (2010). *The Economics of Innovation*. Cheltenham, UK: Edward Elgar.
- Tsuji, M. and Miyahara, S. (2009). A Comparative Analysis of Organizational Innovation in Japanese SMEs Generated by Information in Kuchiki, A., Tsuji, M. (2009). *From Agglomeration to Innovation. Upgrading Industrial Clusters in Emerging Economies*. UK: Palgrave Macmillan, Retrieved from www.palgraveconnect.com.
- Van den Berg, L., Braun, E. and van Winden, W. (2001). Growth clusters in European cities: an integral approach, *Urban studies*, vol. 38/1, pp. 185-205.
- VICLI (2001). *Virtual Clustering Identification and Dissemination of Strategic Territorial Planning Best Practices for Certain Countries of Danubian and Southern Europe*, INTERREG II C – CADSES, Brusseles.
- Wennberg, K. and Lindqvist, G. (2008). The effect of clusters on the survival and performance of new firms. *Small Business Economics* (2010) 34, pp. 221–241, Retrieved from www.springer.com