

PRINT: ISSN 0972-0073 ONLINE: ISSN 2456-6802

THE ANTHROPOLOGIST

International Journal of Contemporary and Applied Studies of Man



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Anthropologist, 33(1-3): 46-58 (2018)
DOI: 10.31901/24566802.2018/343.1-3.1996

The Structure of Global Innovation Network: Evidence from Chinese Cities

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KEYWORDS City Network. Global. Innovation Network. Network Structure. Shanghai

ABSTRACT The process of deep globalization and open innovation is deeply shaping the global innovation geography, which drives the evolution of global innovation network simultaneously. Based on the innovative service value matrix of city-by-inventor's R&D activities, the paper employs the complex network analysis and GIS to illustrate the internal and external features of global innovation networks. The global innovation map reveals the status and function of Chinese cities represented by Shanghai in the network. Meanwhile, this paper reveals the signification of urban agglomeration for corresponding cities to integrate into global innovation network, such as Yangtze River Delta Urban Agglomeration, to leverage and rise within the global innovation network. This research concludes potential scenery of Chinese characteristic model for innovation development and its transformation in the coming days.