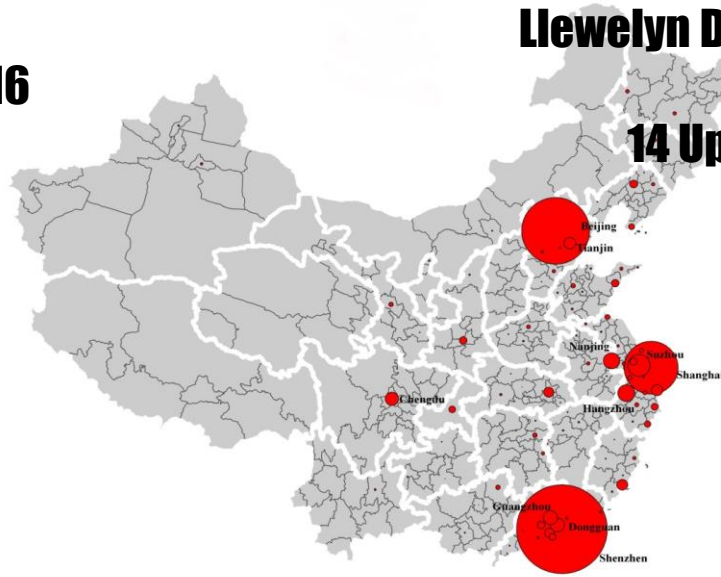


THURSDAY
21ST January 2016
17:30 – 18:30

Llewelyn Davies Room (LG01)
Central House
14 Upper Woburn Place
London, WC1H 0NN



Agglomeration Economy in Knowledge Production in Chinese Cities: An Analysis of Patent Records

China Planning Research Group Event

Speaker: Dr. Jung Won SONN

Bartlett School of Planning, University College London

Abstract:

In our previous research on U.S cities, we found that the importance of agglomeration economy in knowledge production has grown over the last three decades. In this paper, we test that scenario within the Chinese context. It is known that a considerable portion of knowledge production in China is by foreign firms in the country. Then one may predict that those firms communicate more with their mother firms outside China than with firms within their host city. If this is indeed the case, then localized knowledge spillovers would be limited and agglomeration economy would be smaller. To test this theory, we run seemingly unrelated regressions (SUR) on the Location Corrected Chinese Patent Database, a unique database that we developed. In this database, we used the inventor address in the U.S. patent records to find the location of Chinese inventors in Chinese patent records. Our findings are: 1) There is no statistically significant evidence that large cities are more efficient in knowledge production (i.e., no evidence exists for agglomeration economy) and 2) There is no evidence for the change of agglomeration economy.

Staff and students (BSc, MSc and PhD students) are all welcomed.

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