

## **Mapping the Development of Urban Industries**

Hank, C.C. Huang  
*Researcher of Taiwan Institute of Economic Research*  
*Taiwan*  
*hank@tier.org.tw*

### ***Abstract***

Under the trend of globalization, the boundary of the economic activities among countries has been already replaced by the linkage of the production chain across countries, so that the economic competition which originally happened among countries gradually shifts to the competition among regions or cities simultaneously. Therefore, seeking the target industry should be the priority job while planning the urban economic development policies for a city's governor. But "what" and "where" the target industry is become the first question for local authority as when it wants to develop city's economy. This study makes a detail description on the approach of drawing industry map to help planner to choose the best develop location for target industries. Although some papers have already introduced the industry relevancy and GIS hot spot analysis to draw the industry map. This study uses overlapping analysis combined with shift-share analysis of regional economic theory, to present a new demonstration of urban industries. For conducting the overlapping analysis, the study respectively defines the basic maps of the target industry development of the three layers listed below, they are: industry status map, industry momentum map and industry potential map, all of these three can represent certain characteristics of target industries' development. The study employs the overlapping to identify the potential spots of every industry, as the reference for further policies planning of economic development.

***Keywords:*** *Economic Development, GIS, Industry Cluster*