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# Increasing Employment and Productivity through Innovation Clusters 

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## Innovation clusters are geographic concentrations of firms

- Definition: Innovation clusters are created when firms in the same industry locate near each other.
- Examples: Information technology in Silicon Valley, Manufacturing in the Pacific Northwest, Life sciences in Massachusetts.
- Incentives: In the U.S., local governments provide incentives to attract large firms.

What do we
know about the impact of innovation clusters?

- Global expansion: Innovation clusters are being built in over 52 countries all over the world from China to Brazil.


## How does attracting a large plant impact local productivity and employment?

- Co-authors: Enrico Moretti (UC Berkeley) and Richard Hornbeck (Harvard).
- Method: Identify 82 openings of very large plants where counties provided incentives to attract plants. Compare the sites they ultimately selected and the runner-up sites (second choice).
- Question: What are the local productivity and employment impacts of attracting a large plant?


## Attracting a large plant increases productivity



## Attracting a large plant increases employment



## Policy proposal to improve employment and productivity

## Federal Innovation Cluster Fund

- Provide federal funding to support innovation clusters through a cost sharing program (e.g., $20 \%$ federal funding).
- Build on local government knowledge about which sites are suited to particular industries.

