The U.S. Cluster Mapping Project: Tools for Regional Economic Competitiveness

Hubert H. Humphrey School of Public Affairs University of Minnesota Tuesday, September 25, 2012

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EDA Cluster Mapping <u>Project Partners</u>



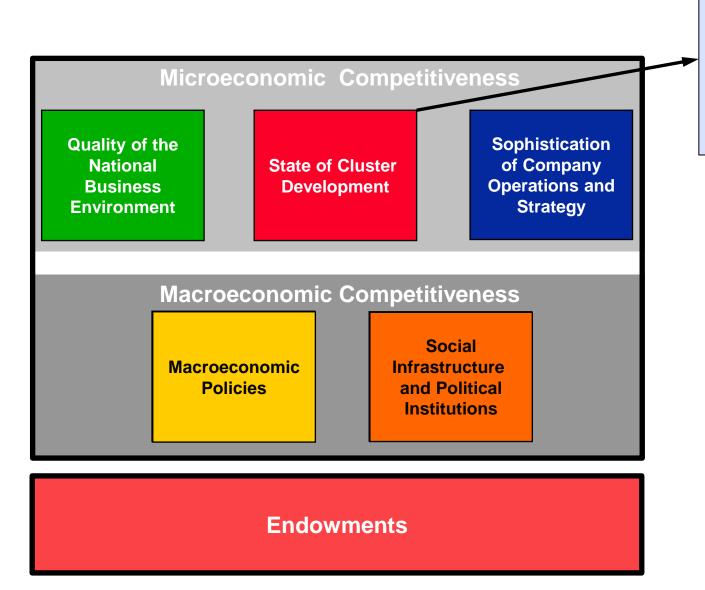
HUMPHREY SCHOOL OF PUBLIC AFFAIRS





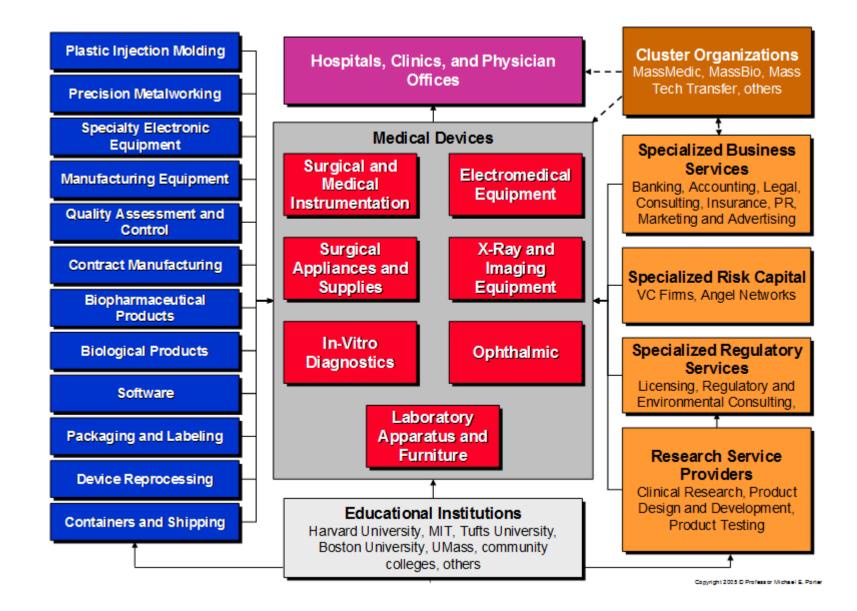


What Determines Competitiveness?

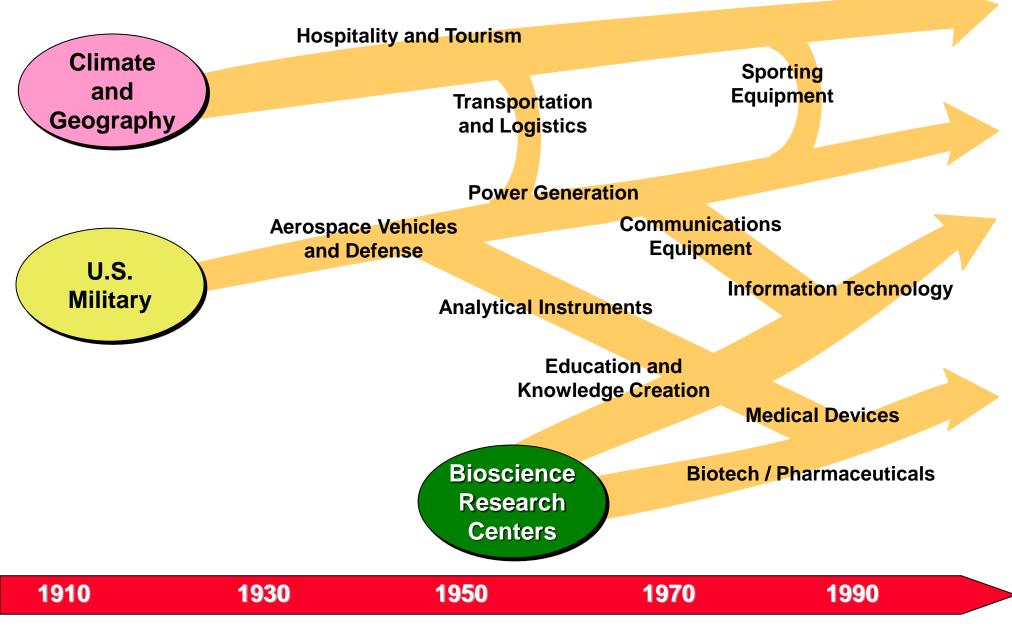


A critical mass of interconnected firms and associated institutions in particular fields, linked by commonalities and complementarities.

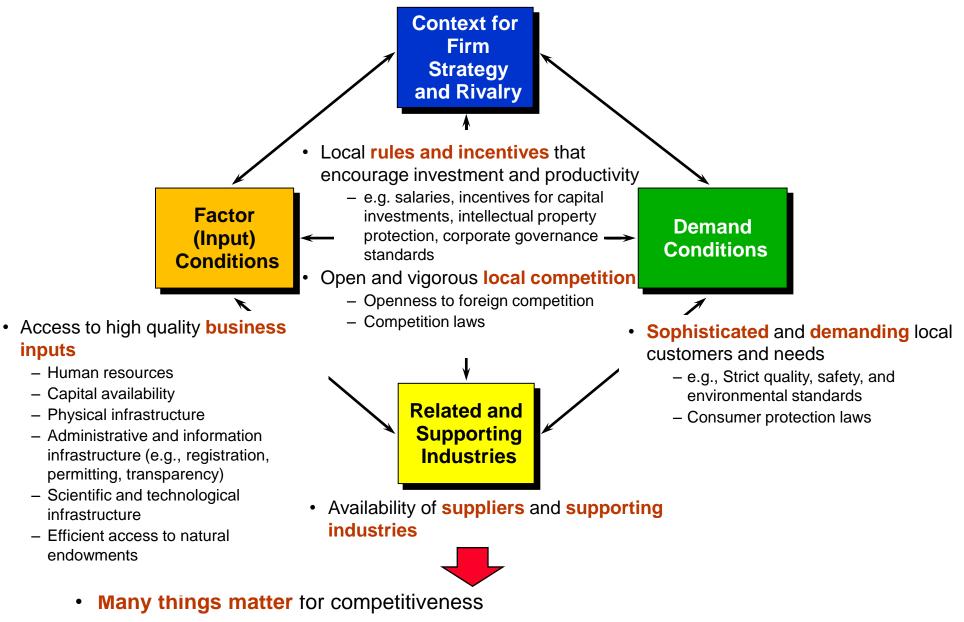
Massachusetts Medical Devices Cluster



The Evolution of Regional Economies San Diego

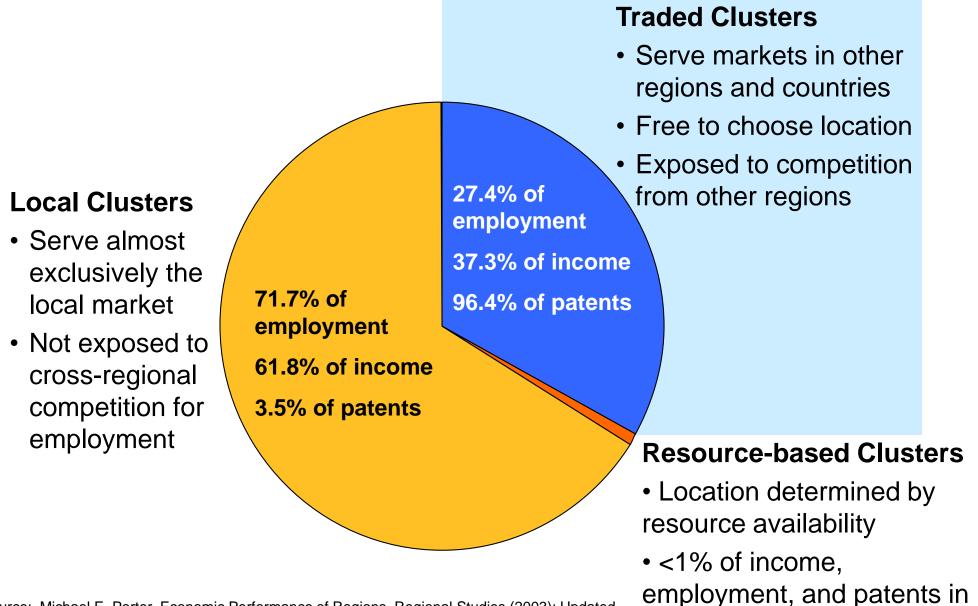


Quality of the Business Environment



 Successful economic development is a process of successive upgrading, in which the business environment improves to enable increasingly sophisticated ways of competing

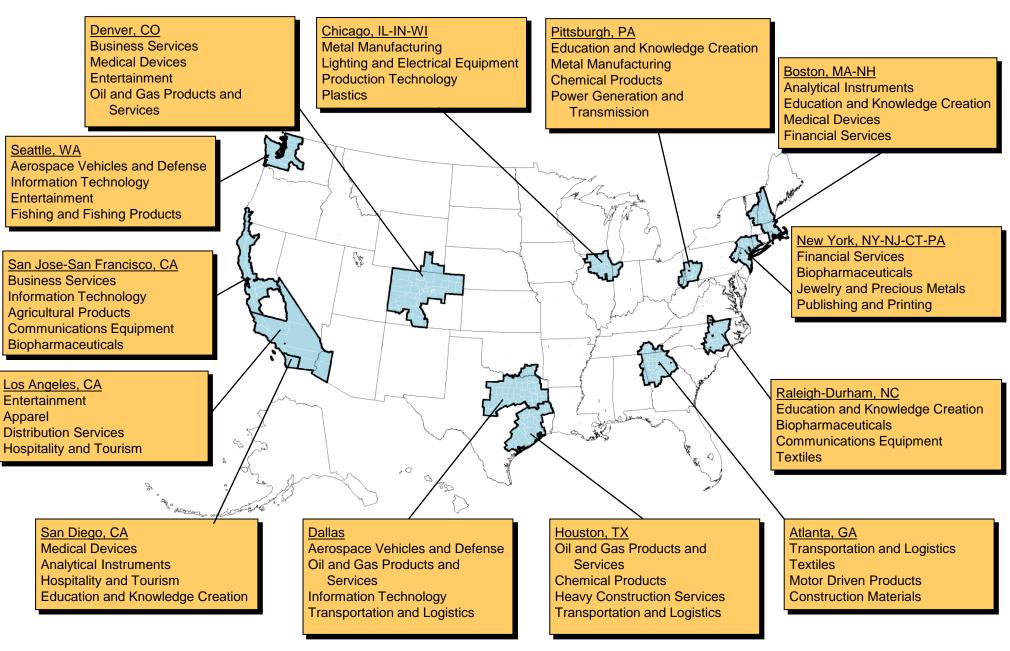
Composition of Regional Economies, United States



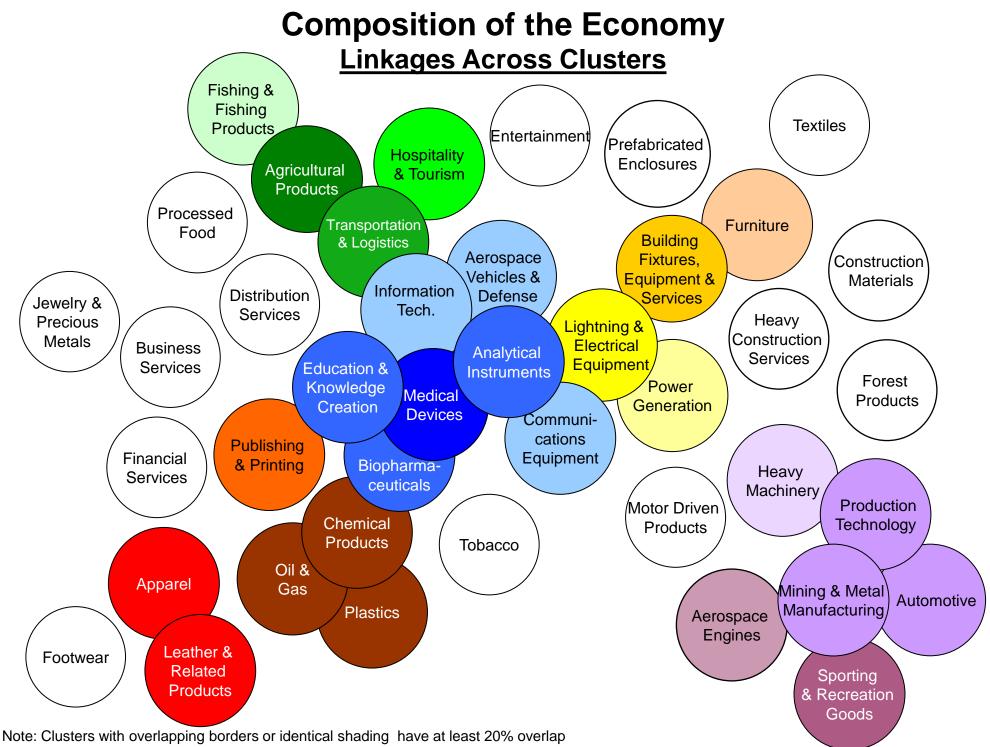
Source: Michael E. Porter, Economic Performance of Regions, Regional Studies (2003); Updated via Cluster Mapping Project, Institute for Strategy and Competitiveness, Harvard Business School (2008) NGA 2011 – Wisconsin – Rich Bryden

the U.S.

Specialization of Regional Economies Leading Clusters by U.S. Economic Area

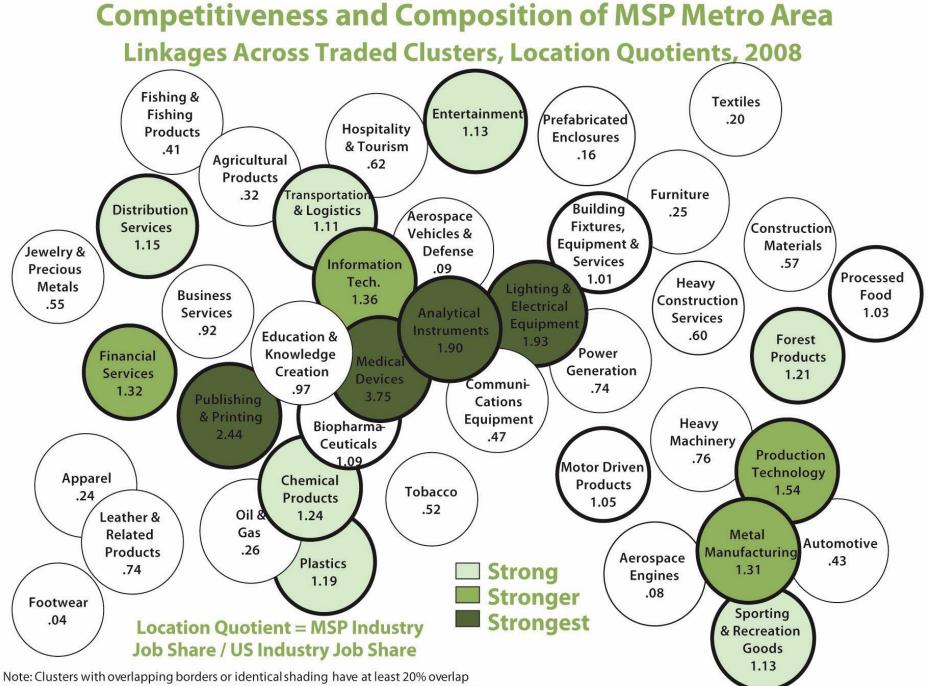


Source: Prof. Michael E. Porter, Cluster Mapping Project, Institute for Strategy and Competitiveness, Harvard Business School; Richard Bryden, Project Director.

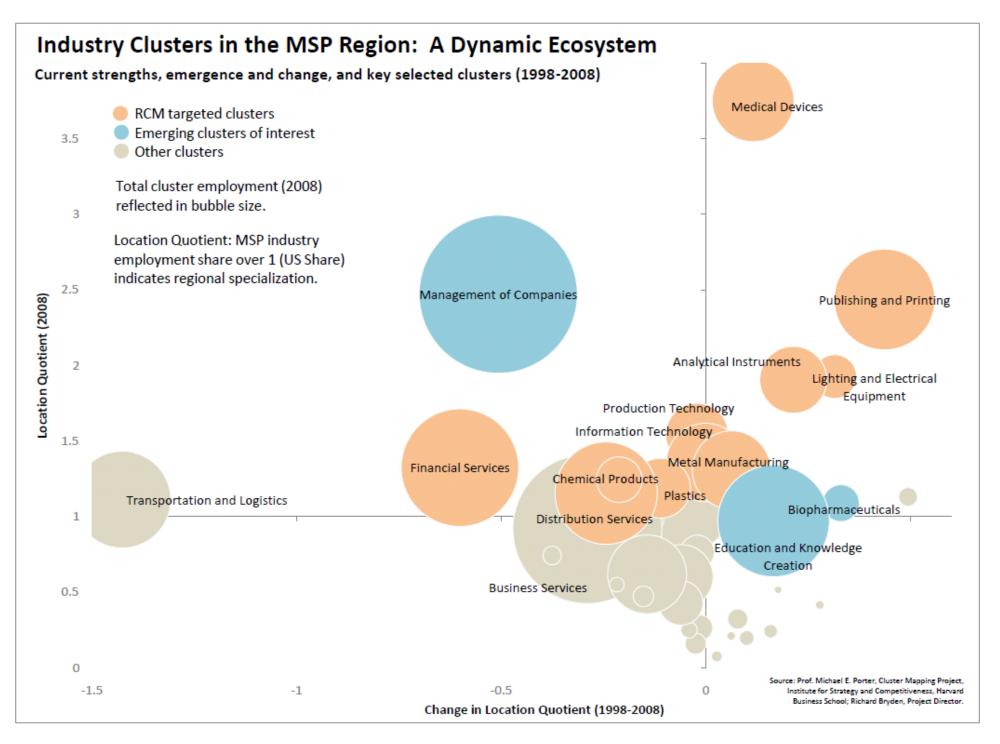


(by number of industries) in both directions.

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(by number of industries) in both directions. Source: Micheal Porter's Cluster Mapping Tool



Clusters and Regional Prosperity Recent Findings

Drivers of Regional Job Growth, Wages, Patenting, New Business Formation, and Success of Startups

- Specialization in strong clusters
- **Breadth** of position within each cluster
- Positions in related clusters
- Presence of a region's clusters in neighboring regions

Not significant

• Positions in "high-tech" versus other clusters

Source: Porter, The Economic Performance of Regions, Regional Studies, 2003; Delgado/Porter/Stern, Clusters and Entrepreneurship, Journal of Economic Geography, 2010; Delgado/Porter/Stern, Clusters, Convergence, and Economic Performance, mimeo., 2010.

Clusters as a Tool For Economic Policy

- A forum for **collaboration** between the private sector, trade associations, government, educational, and research institutions
- Brings together **firms of all sizes**, including SME's
- Creates a **mechanism** for **constructive** business-government dialog
- A tool to identify **problems** and **action recommendations**
- A vehicle for investments that strengthen multiple firms/institutions
 simultaneously
- Fosters greater competition rather than distorting the market



Cluster Mapping Research and Publication

- Understand interaction of business environment quality and clusters
- Measure cluster Initiative performance

The Practice of Cluster-Based Economic Development

- Learn from the successes and struggles of cluster efforts in four regions
- Assemble a toolkit of accumulated learnings

<u>Outreach</u>

• Support professional development for cluster practitioners

New Website

- Engage new and experienced practitioners
- Make connections and build learning community among practitioners
- Extend data, regional coverage and analytics



www.clustermapping.us