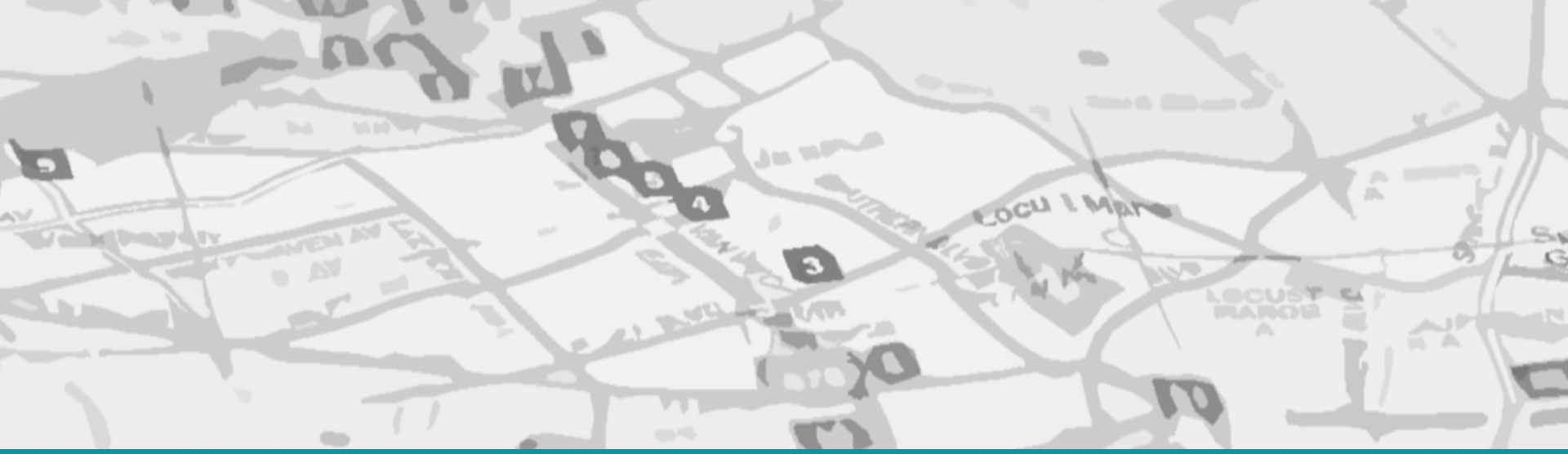

SET Phase V Module

Greater Wabash Region, Illinois

PURDUE UNIVERSITY

Center for Regional Development
Advancing Collaboration : Energizing Regions

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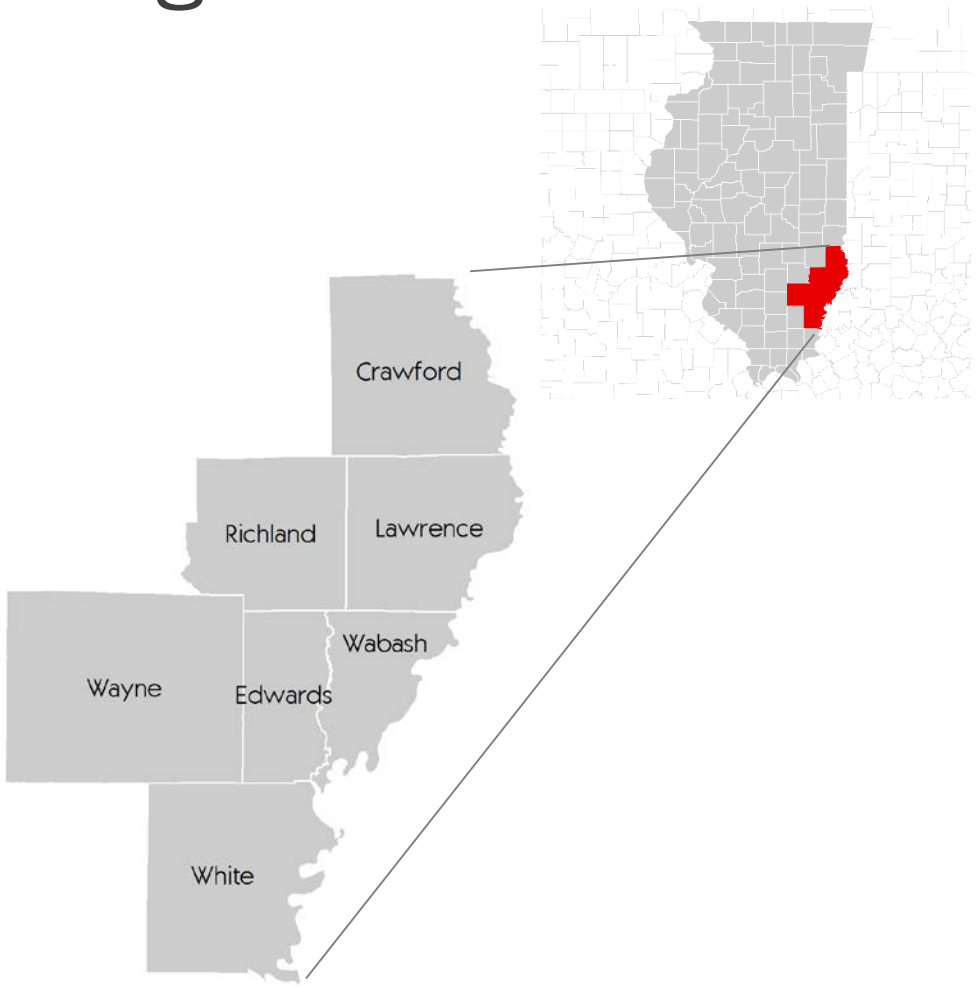
01 overview

Greater Wabash Region, IL

Greater Wabash Region

The Greater Wabash Region is comprised of seven Southeastern Illinois counties. I-64 passes through the region connecting to I-57 to the west, and I-65 to the east.

- Crawford
- Edwards
- Lawrence
- Richland
- Wabash
- Wayne
- White

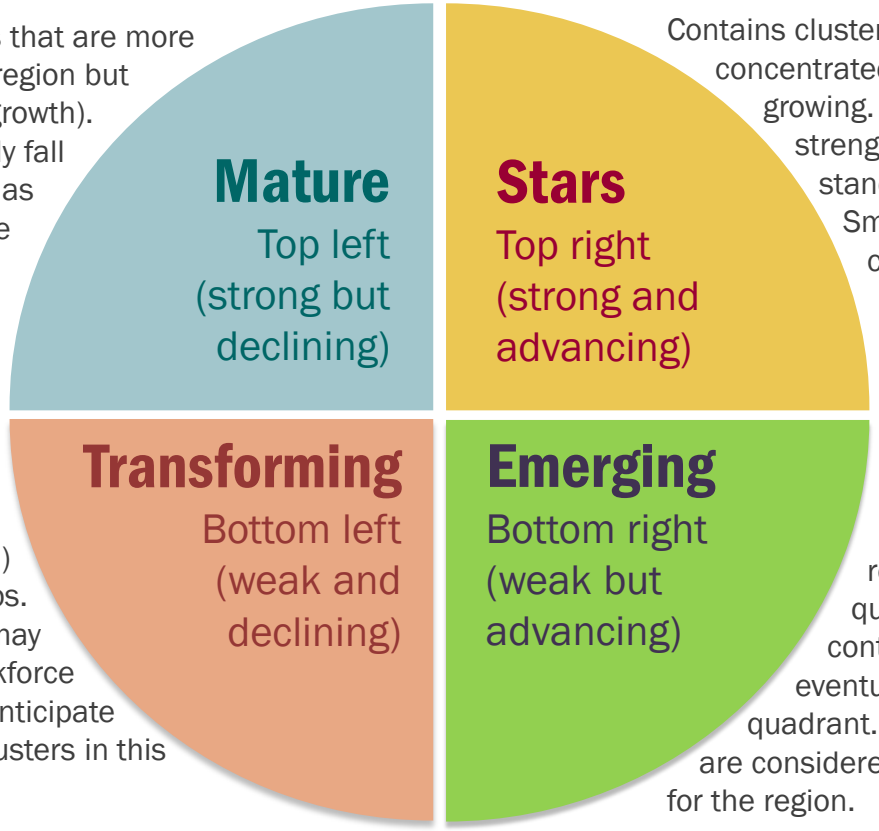


02 Industry cluster analysis

Greater Wabash Region, IL

How to interpret cluster data results

The graph's four quadrants tell a different story for each cluster.



Contains clusters that are more concentrated in the region but are declining (negative growth). These clusters typically fall into the lower quadrant as job losses cause a decline in concentration.

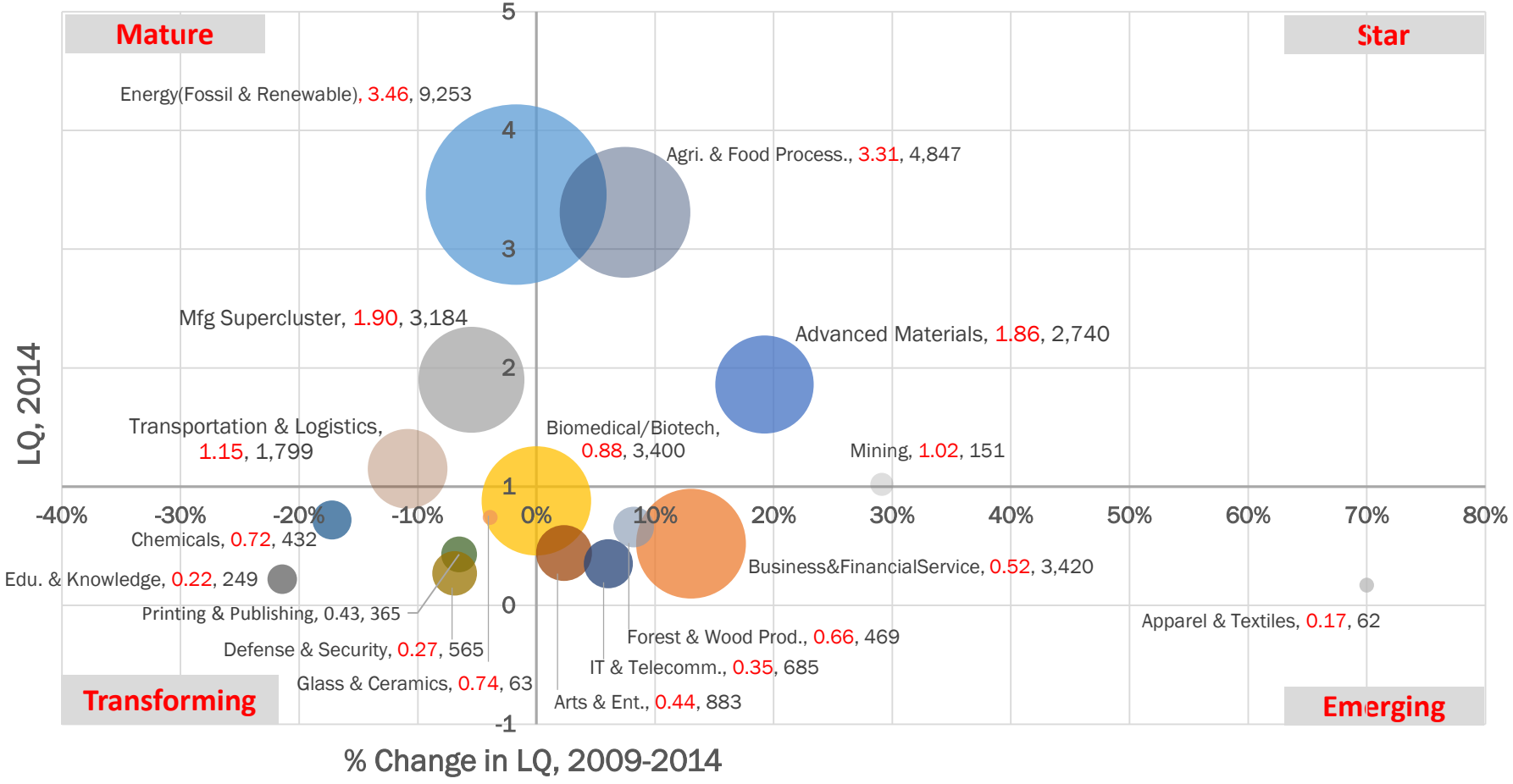
Contains clusters that are more concentrated in the region and are growing. These clusters are strengths that help a community stand out from the competition. Small, high-growth clusters can be expected to become more dominant over time.

Contains clusters that are under-represented in the region (low concentration) and are also losing jobs. Clusters in this region may indicate a gap in the workforce pipeline if local industries anticipate a future need. In general, clusters in this quadrant show a lack of competitiveness.

Contains clusters that are under-represented in the region but are growing, often quickly. If growth trends continue, these clusters will eventually move into the top right quadrant. Clusters in this quadrant are considered emerging strengths for the region.

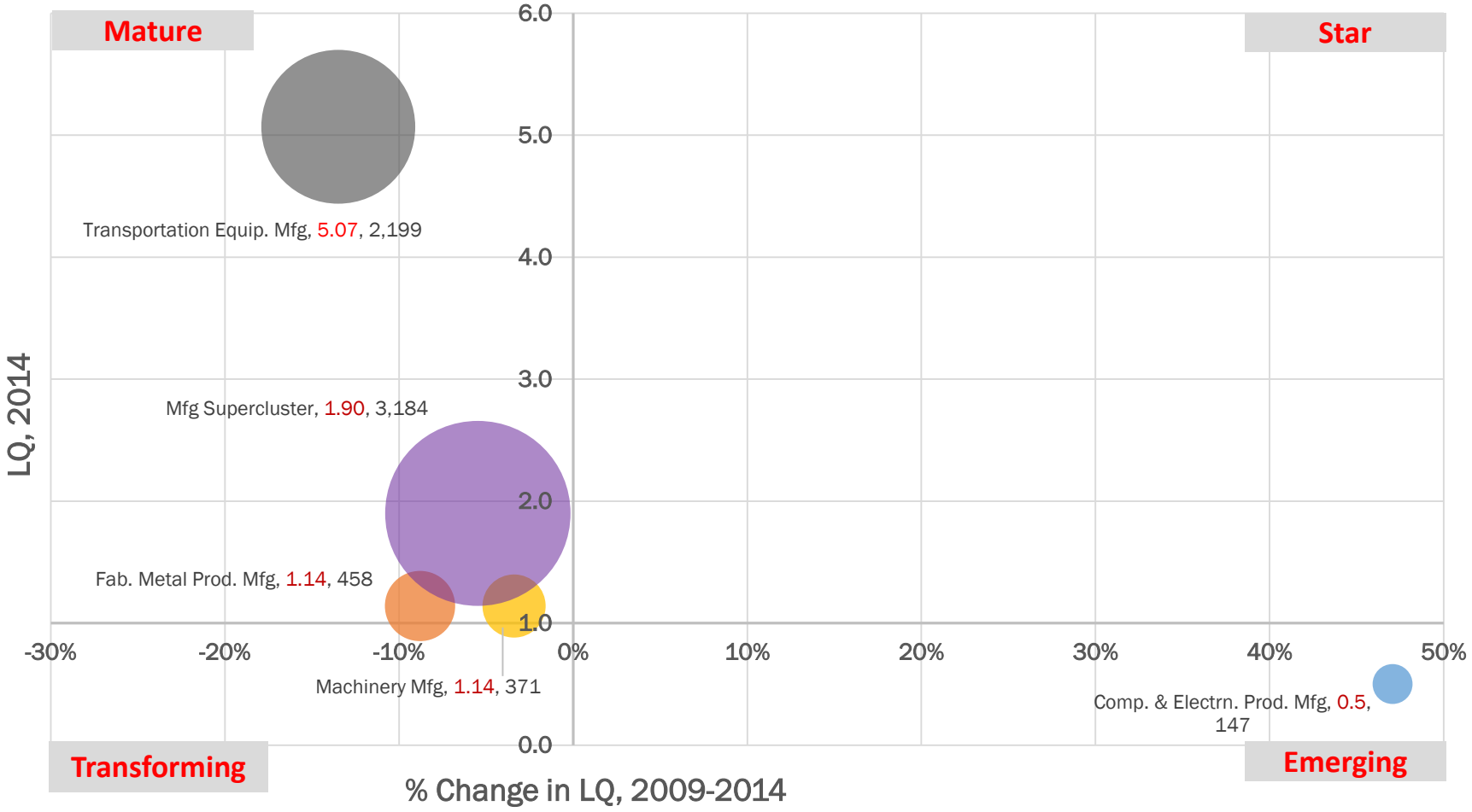
Modified from: http://www.charlestonregionaldata.com/bubble-chart-explanation/

Industry cluster bubble chart



Source: EMSI Class of Worker 2014.4 (QCEW, non-QCEW, self-employed and extended proprietors).
Note: Label includes cluster name, LQ 2014, and Employment 2014; NAICS 2012 definitions

Manufacturing sub-cluster bubble chart



Source: EMSI Class of Worker 2014.4 (QCEW, non-QCEW, self-employed and extended proprietors).
Note: Label includes cluster name, LQ 2014, and Employment 2014; NAICS 2012 definition

Industry cluster analysis

Mature Clusters

- Transportation Equip. Mfg. (5.07; 2,199)*
- Energy- Fossil & Renewable (3.46; 9,253)
- Manufacturing Supercluster (1.9; 3,184)
- Transportation & Logistics (1.15; 1,799)
- Fabricated Metal Product Mfg. (1.14; 458)
- Machinery Mfg. (1.14; 371)

Star Clusters

- Agribusiness, Food Pro., Tech. (3.31; 4,847)
- Advanced Materials (1.86; 2,740)
- Mining (1.02; 151)

NOTE: The first number (fractions and real numbers) after each cluster represents its location quotient while the second number represents the number of total jobs (full and part time jobs by place of work) in that cluster in the region. The clusters are sorted in decreasing order by location quotient.

Level of Specialization

Percent Growth in Specialization

Transforming Clusters

- Biomedical/Biotechnical (0.88; 3,400)
- Glass & Ceramics (0.74; 63)
- Chemicals (0.72; 432)
- Printing & Publishing (0.43; 365)
- Defense & Security (0.27; 565)
- Education & Knowledge Creation (0.22; 249)

Emerging Clusters

- Forest & Wood Products (0.66; 469)
- Business & Financial Services (0.52; 3,420)
- Computer & Electronic Prod. Mfg. (0.5; 147)
- Arts, Ent., Rec., & Visitor Ind. (0.44; 833)
- Information Tech. & Telecomm. (0.35; 685)

Electrical Equipment, Appliance & Component Manufacturing Sub-cluster has too few jobs; Primary Metal sub-cluster does not exist in the region; Apparel & Textiles and Glass & Ceramics also have less number of jobs.

** Note: Numbers in parenthesis include location quotient and employment in 2014.*

Bubble chart interpretation

Mature Industries

Six industry clusters in the Greater Wabash Region are in the Maturing stage: Transportation Equipment Mfg., Energy- Fossil and Renewable, Manufacturing Supercluster, Transportation and Logistics, Fabricated Metal Product Mfg., and Machinery Mfg. These industries are relatively concentrated, but their growth is trending downward. Overall, this is likely a reflection on high turnover in heavy manufacturing jobs in the region. It is worth noting, however, that the Greater Wabash Region may find it worthwhile to invest in efforts to shore up the concentration of these industries.

Transforming Industries

Transforming clusters capture the mix of industries that are experiencing relative decline and limited export capability. In the Greater Wabash Region, Biomedical/Biotechnical, Glass and Ceramics, Chemicals, Printing and Publishing, Defense and Security, and Education and Knowledge Creation are all Transforming. Any amount of growth in these industries would require relatively large investments.

Star Industries

Star industry clusters are highly concentrated, exporting and still experiencing growth in the region. The most highly concentrated of the Star industry clusters in the Greater Wabash Region is Agribusiness, Food Production and Technology. Its location quotient is 3.31, indicating that the cluster is nearly 3 times more concentrated in the region compared to the U.S. Other strong clusters of note in the region include Advanced Materials and Mining.

Emerging Industries

Industry clusters that may be poised for future growth are classified as “Emerging.” There are six Emerging clusters in the Greater Wabash Region: Forest and Wood Products, Business and Financial Services, Computer and Electronic Product Mfg.; Arts, Ent., Rec., and Visitor Industries; IT and Telecommunication, and Apparel and Textiles clusters.

Source: EMSI Class of Worker 2014.4 (QCEW, non-QCEW, self-employed and extended proprietors).