

# SET Phase V Industry Clusters

**SEMO** Region, Missouri





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# 01 overview

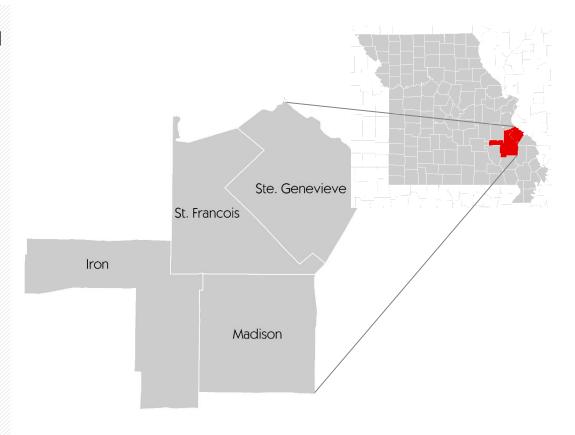
**SEMO Region** 

### **Overview**

# SEMO Region

The SEMO region is comprised of four Missouri counties. Ste. Genevieve County forms the border with Illinois.

- Iron
- Madison
- Ste. Genevieve
- St. Francois



How to interpret cluster data result

**Cluster bubble charts** 

# 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.

### **Mature**

Top left (strong but declining)

### **Stars**

Top right (strong and advancing)

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.

### **Transforming**

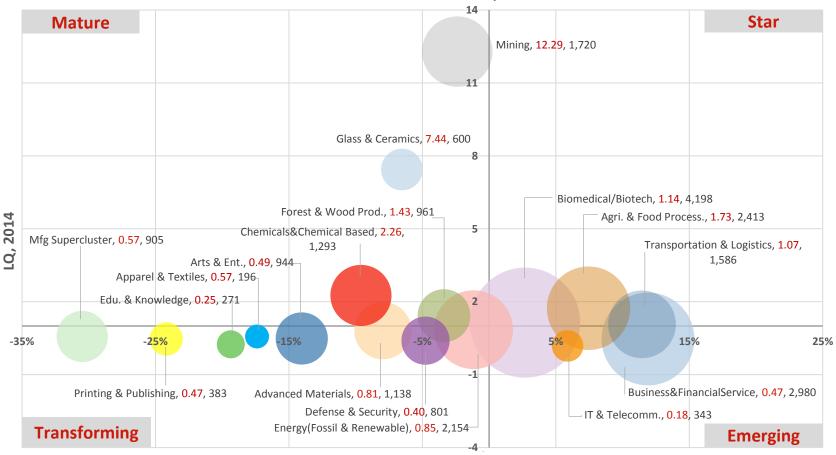
Bottom left (weak and declining)

## **Emerging**

Bottom right (weak but advancing)

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.

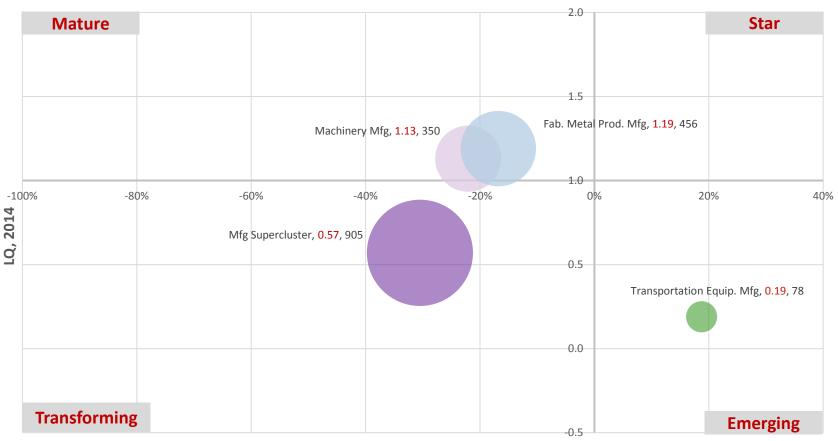
## Cluster bubble chart, 2009-2014



% Change in LQ, 2009-2014

<sup>\*</sup> Note: Label includes cluster name, LQ 2014, and Employment 2014

# Manufacturing sub-cluster, 2009-2014



% Change in LQ, 2009-2014

section 02

<sup>\*</sup> Note: Label includes cluster name, LQ 2014, and Employment 2014;

### **Industry cluster analysis, 2009-2014**

#### **Mature Clusters**

Mining (**12.3**; 1,720)

Glass & Ceramics (7.4; 600)

Chemicals/Chemical-based Products (2.3; 1,293)

Forest & Wood Products (1.4; 961)

Fabricated Metal Product Mfg. (1.2; 456)

Machinery Manufacturing (1.1; 350)

### **Star Clusters**

Agribusiness, Food Processing & Tech (1.7; 2,413)

Biomed/Biotechnical (Life Science) (1.1; 4,198)

Transportation & Logistics (1.1; 1,586)

### **Transforming Clusters**

Energy(Fossil & Renewable) (0.9; 2,154)

Advanced Materials (0.8; 1,138)

Mfg. Supercluster (0.6; 905)

Apparel & Textiles (0.6; 196)

Arts, Entertainment., Recreation. & Visitor Industries (0.5; 944)

Printing & Publishing (0.5; 383)

Defense & Security (0.4; 801)

Education & Knowledge Creation (0.3; 271)

### **Percent Growth in Specialization**

### **Emerging Clusters**

Business & Financial Services (0.5; 2,980)

Information Technology & Telecom. (0.2; 343)

Transportation Equipment Mfg. (0.2; 78)

**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.

Note: Computer & Electronic Product does not exist; Electrical Equipment & Appliances and Primary Metal Mfg. have too less number of jobs.

Level of Specialization

# Bubble chart interpretation

#### **Mature Industries**

Six industry clusters in the SEMO Region are in the Maturing stage: Mining, Glass & Ceramics, Chemicals/Chemical-based Products, Forest & Wood Products, Fabricated Metal Product Mfg. and Machinery Manufacturing. These industries are relatively concentrated, but their growth is trending downward. It is worth noting, however, that the SEMO 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 SEMO Region nine clusters are in this group with Energy, Advanced Materials, Manufacturing Supercluster, and Arts, Entertainment, Recreation & Visitor Industries being the largest by employment. However, 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 SEMO Region are Agribusiness, Food Processing & Technology, Biomedical/Biotechnical (Life Science), and Transportation & Logistics clusters.

#### **Emerging Industries**

Industry clusters that may be poised for future growth are classified as "Emerging." There are three clusters in the region: Business & Financial Services, Transportation Equipment Manufacturing, and Information Technology & Telecommunications.