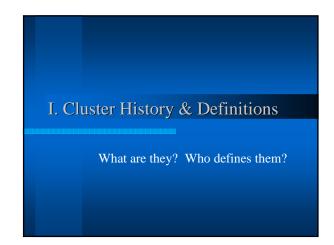




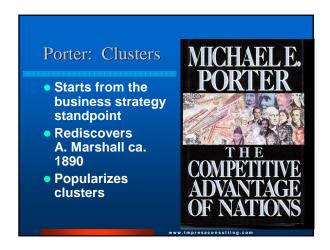
# Outline Defining Clusters Different Kinds of Clusters Why Cluster? Your Clusters













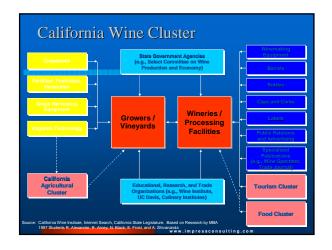
### Many Schools of Thought **Neoclassical economics** Regional Science Urbanism Industrial Organization Business Strategy

- Geography and Urban & Regional Planning New Economic Geography
- Urban Economics
- Economic Development Practitioners

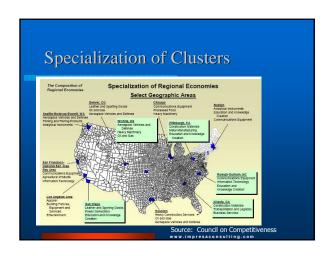
### Clusters: A Framework

- An organizing principle for engaging a region in a discussion of its economic strengths and weaknesses
- A flexible tool at the intersection of analysis and policy-making

Definition Clusters are geographic concentrations of interconnected companies and institutions in a particular field, including: - suppliers of specialized inputs, machinery, services - distribution channels and customers manufacturers of complementary products - companies related by skills, technologies or common inputs related institutions such as research organizations, universities, standard-setting organizations, training entities, and others



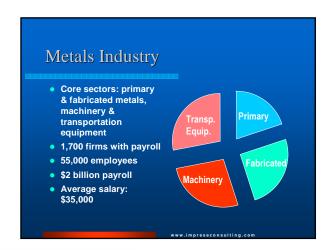


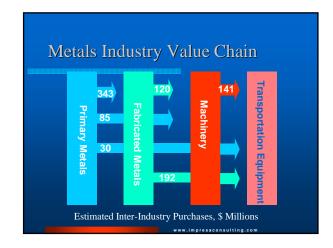




# Typologies of Clusters Buyer-supplier and value chain Inter-firm relationships Geographic extent Cluster life cycle Other issues (Awareness)









# Labor Market Pooling

- Broadly characterizes all clusters
- Hollywood—Silicon Valley—Garment District
- Three components
  - Attract skills
  - Develop skills
  - Lower risk

### **Cultural Networks**

- Italian Industrial Districts
- Lots of small firms collaborating, strong ethic of inter-industrial cooperation, often very local
- Hollywood as a network model
- Oregon nursery industry

### **Customer Driven**

- Oregon Nursery Industry
- Economies of Scope for Buyers
- 1,000 + producers;
- Comparison shopping advantages

## **Knowledge Spillovers**

- Firms learn from one another
- Silicon Valley
- Biotech

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## Stages of Clustering

- Concentrations of firms and workers
- Awareness, conscious action & communication
- Formal organization

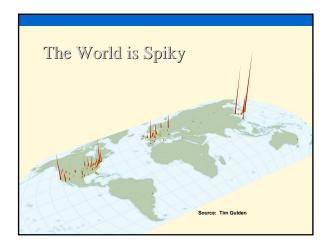


## Cluster Life Cycle

Potential







# Clusters Meet Globalization • Buzz and Pipelines ... the co-existence of high levels of buzz and many pipelines may provide firms located in outward looking and lively clusters with a string of particular advantages not available to outsiders ...



