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# Government/University/Industry Intersection: Elements of Success

Presentation by:

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# Elements for Tech Cluster

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- Intellectual infrastructure
- Spillovers of knowledge
  - from universities
  - from informal networks
- Physical infrastructure
- Technically skilled workforce
- Capital
- Entrepreneurial culture
- Quality of life

Source: *Regional Advantage* by Annalee Saxenian



# Roles and Goals

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- Federal government
  - Primarily support research
  - Some activity in economic growth
- State government
  - Focused on economic development
- Universities
  - Educated workforce and conducting research
- Industry
  - Making a profit



# Challenges for Feds

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- Consultation with states on design, implementation, and evaluation of programs
- Every program should have an external board to oversee operations
- Need greater creativity in approaches to building tech-based economies in all areas of the country
- Rebalance portfolio of economic development programs for greater emphasis on knowledge-based economy
- Cut across agency boundaries for a cohesive strategy



# Challenges for States

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- Investing in core support for higher education
- Encouraging greater access to higher education
- Understanding the nature of the state's economy and building on core strengths by making appropriate investments
- Sustaining high-level leadership supportive of investing in science and technology
- Recognizing that investing in science and technology requires a long-term approach beyond most political cycles



# Collaboration

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- Four-way collaboration is difficult
  - Goals are widely varied among the parties
  - Few incentives for the four to work together
  - Successes:
    - Ohio's Edison Centers, Utah's Centers of Excellence
    - Manufacturing Extension Partnership
- Elements of success
  - Appropriate partner takes lead
  - Focus is on clearly stated goal
  - Market test



# Contact Information

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