



Regional Innovation Clusters

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ETA/ASTD Region 2
Technical Assistance Forum

September 13, 2011

Innovation

“To Make New”





“This task, of making America more competitive for the long haul, is a job for all of us. For government and for private companies. For states and for local communities – and for every American citizen. All of us will have to up our game. All of us will have to change the way we do business.”

- OBAMA



**Unprecedented Challenges Require Innovative Solutions
for Creating Jobs and Promoting Regional Prosperity.**

From Silos ...

... to Collaboration.





Why Now?

- ★ Funding Resources are Constrained
- ★ Intense and Growing Competition
- ★ Assets Exists



What are Regional Innovation Clusters

(RIC)

A RIC is a geographically-bounded, active network of similar, synergistic or complementary organizations in a sector or industry that leverages the region's unique competitive strengths to create jobs and broaden prosperity:

Implies bounded area characterized by inherent social, environmental, economic, and cultural assets.

Transcends socio-political boundaries

May include urban and rural





Economic studies strongly suggest that clusters stimulate economic growth.

Business Creation

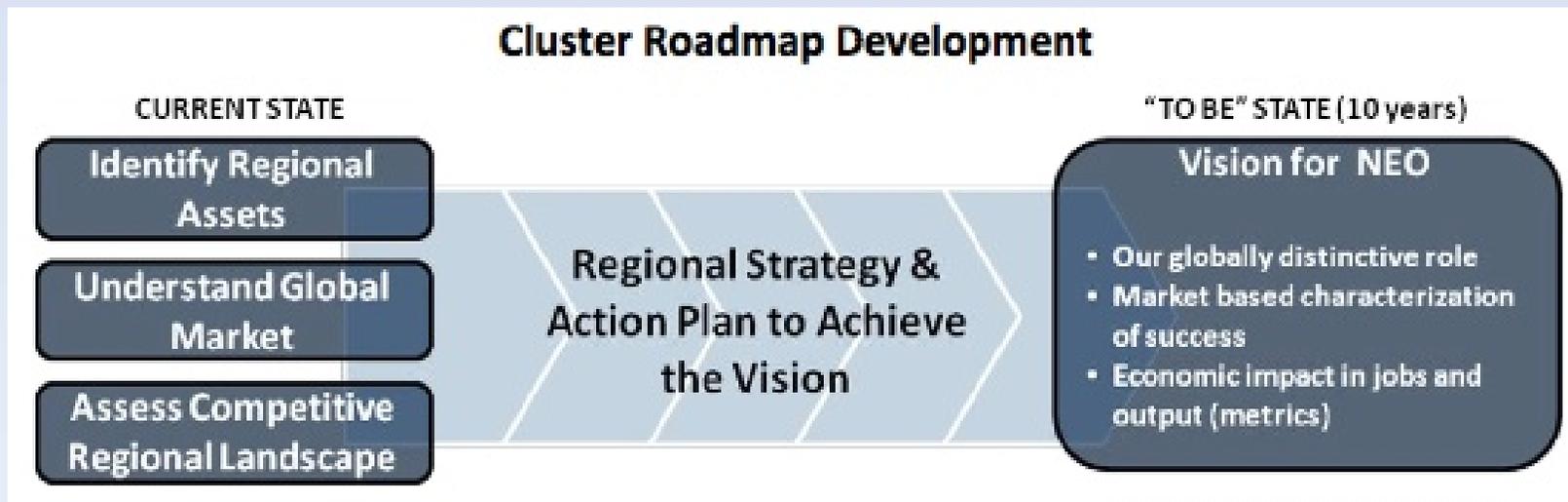
- ★ Newly Formed Small and Mid-sized Companies

Job Creation

- ★ Opportunity for Increase Workforce and Skill Capacity

Robust Economies

- ★ Commitment Generates a Self-sustaining Ecosystem



Support Programs to Train, Mentor and Grow Cluster Entrepreneurs

Organize an Early-Stage Access to Capital Strategy for Identified Cluster

Develop A Platform for Exchange of Knowledge Among International Clusters

Develop a Global Marketing and Branding Strategy to Market and Commercialize Research Opportunities

Broaden The County's Cluster Definition of the Industry and Measuring Performance

Implement and Leverage Talent Identification and Growth Strategy

Exploit The Significant Linkages and Partnerships to Generate Greater Business Opportunities in Cluster

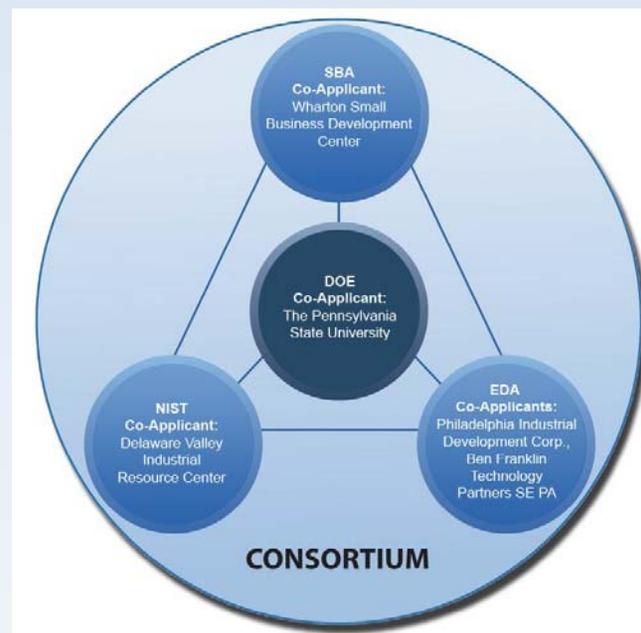
Create a more Robust Portfolio of Business and Regulatory Programs for New and Existing Companies



Greater Philadelphia Innovation Cluster (GPIC) for Energy-Efficient Buildings, a U.S. DOE Energy Innovation Hub led by Penn State University.

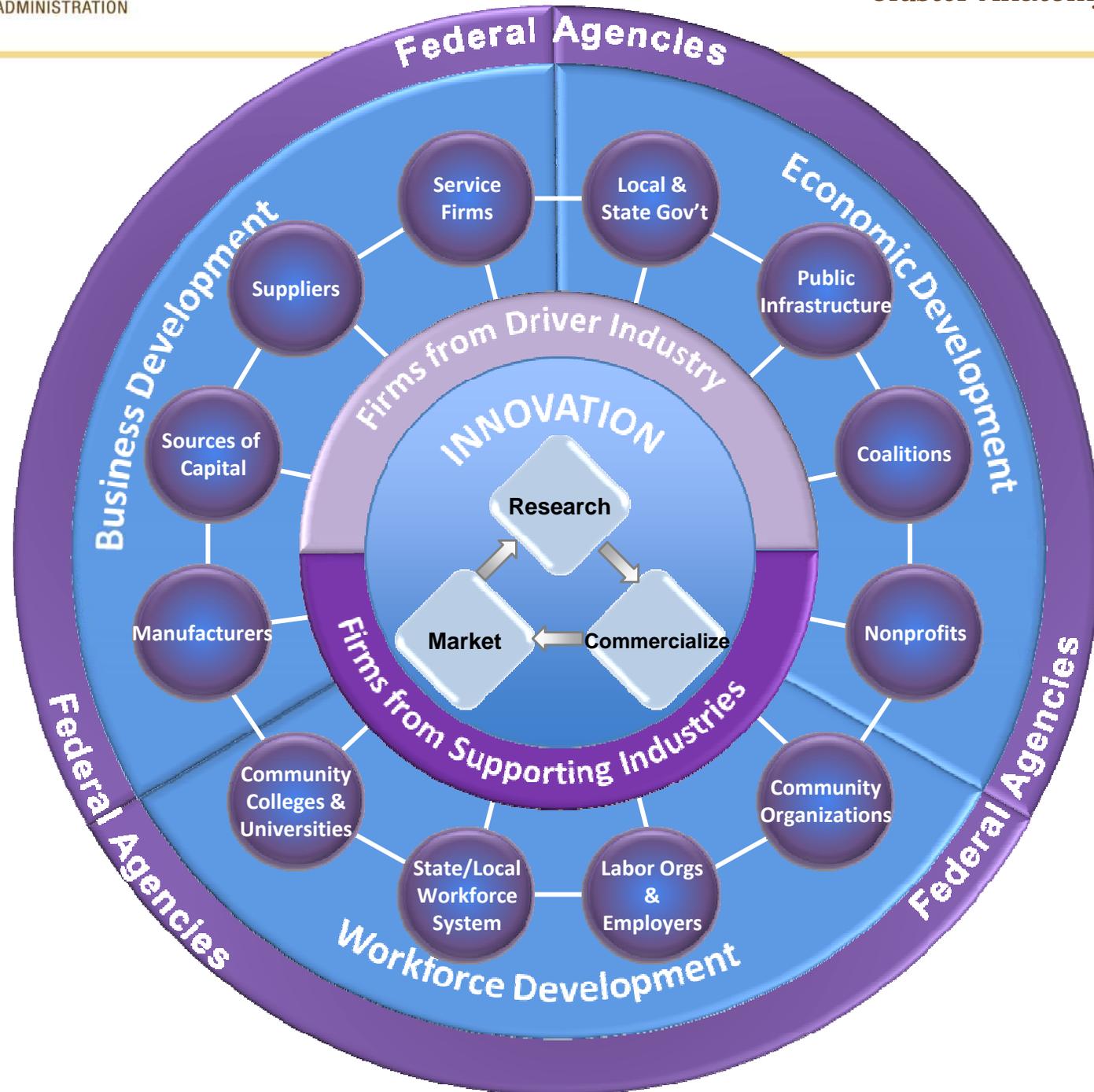
Federal Investment of \$129 Million - National Competition

U.S. Department of Energy	\$122 million
US DOC - Economic Development Administration	\$ 5 million
National Institute of Standards and Technology	\$ 1 million
Small Business Administration	\$1.2 million



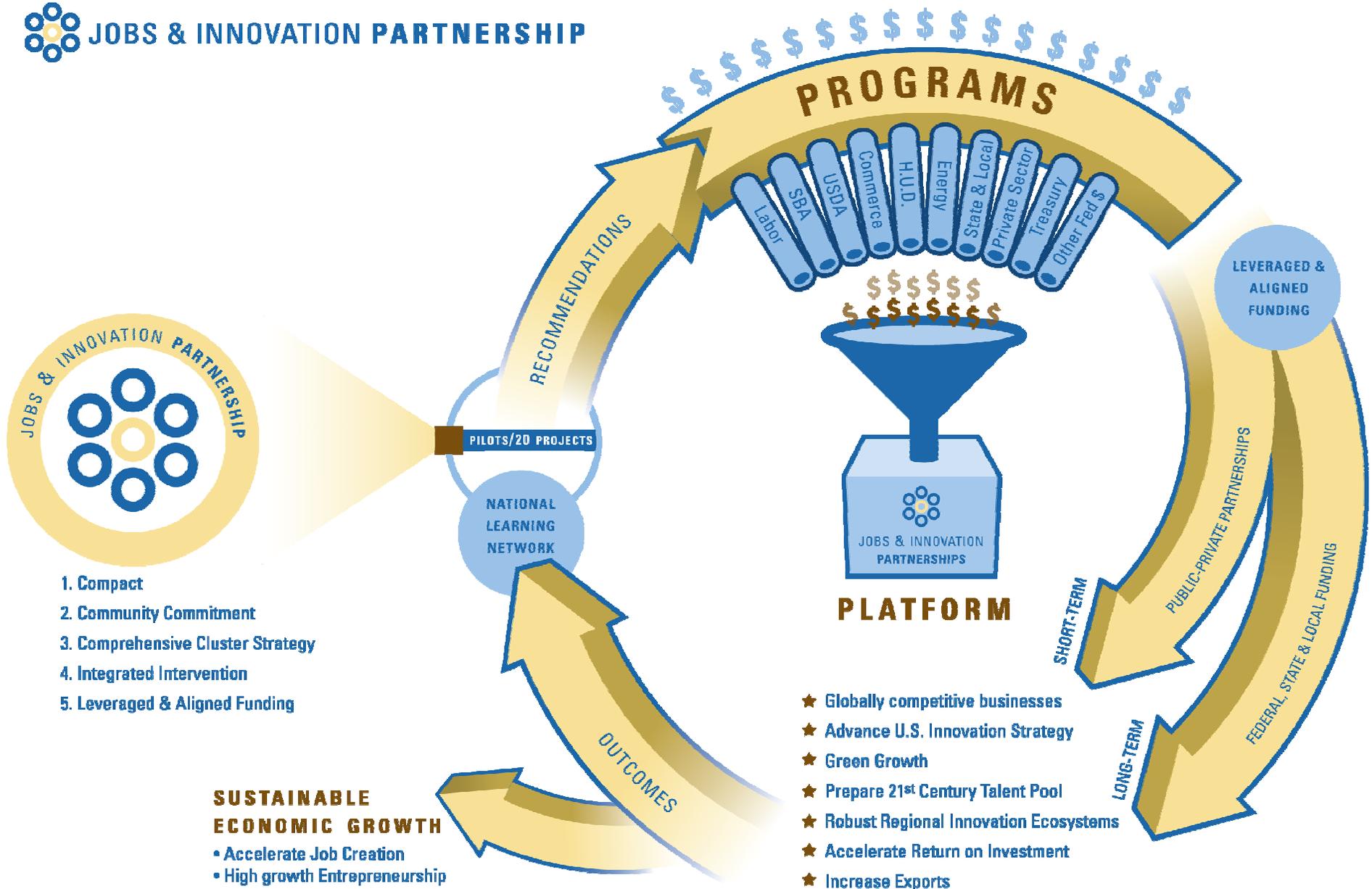
“Energy Innovation Hub” - The Navy Yard, Philadelphia,

The new Energy Hub is one of three such facilities being developed by the Department of Energy. Its full name is [the Energy-Efficient Building Systems Design Hub](#), and the Navy Yard was selected as an ideal location because it includes more than 200 buildings that are powered by an independent electric microgrid. This “virtual municipality” will become a real-life testing ground for new energy saving technologies as well as greenhouse gas reduction related to building systems, presumably in United Technologies’ areas of expertise which include heating and air conditioning systems as well as elevators and escalators, along with various aerospace products





JOBS & INNOVATION PARTNERSHIP



1. Compact
2. Community Commitment
3. Comprehensive Cluster Strategy
4. Integrated Intervention
5. Leveraged & Aligned Funding



PROGRAMS



Economic Adjustment



Global Competitiveness



Sustainable Economic Development



Research & Evaluation



21st Century Infrastructure



Planning



Technical Assistance



Recovery Support Function



Trade Adjustment Assistance



“It is the long history of humankind (and animal kind, too) those who learned to collaborate and improvise most effectively have prevailed”

Darwin





QUESTIONS

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