



Oklahoma Center for the Advancement of Science and Technology

# *OCAST Budget and Performance Review*

*January 22, 2014*

Michael Carolina, Executive Director

# OCAST – who we are...

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*Since 1987, the state's agency and engine for technology development, technology transfer and technology commercialization*

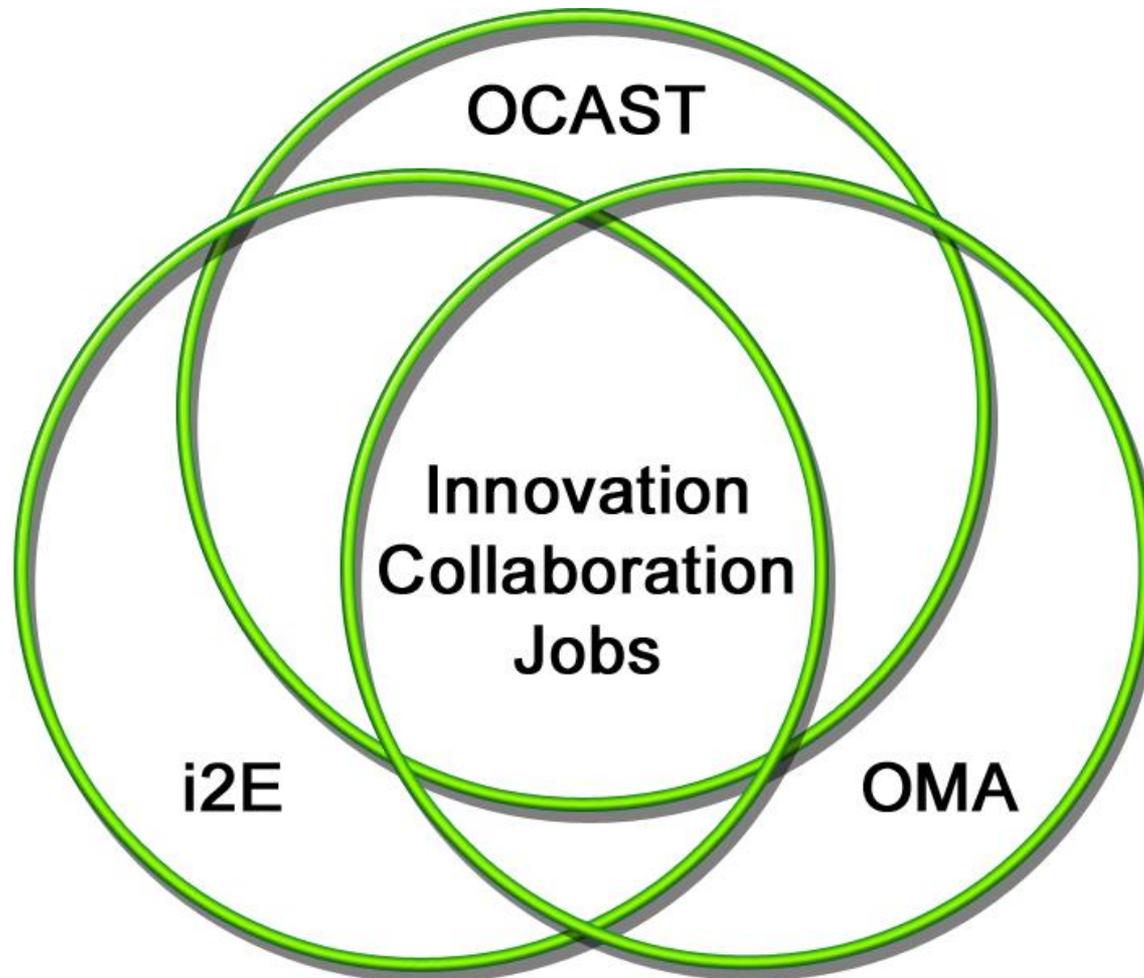
# Agency Profile – what we do and the outcomes of what we do...

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- Mission: Technology-based economic development for high-paying jobs and sustainable economic impact
- Award process: Outside peer review for R&D awards
- FY 2014 budget: \$17.8 million
- Strategic partners: Oklahoma Manufacturing Alliance, i2E, OSU New Product Development Center
- Targeted FTE: 21
- Current FTE: 18
- Projects awarded over 26 years: 2,461
- Total dollars awarded over 26 years: \$249 million
- Impact as result of awarded dollars: \$5.1 billion
- Cumulative (26-year) ROI: 21:1
- G & A cost: 3.9%

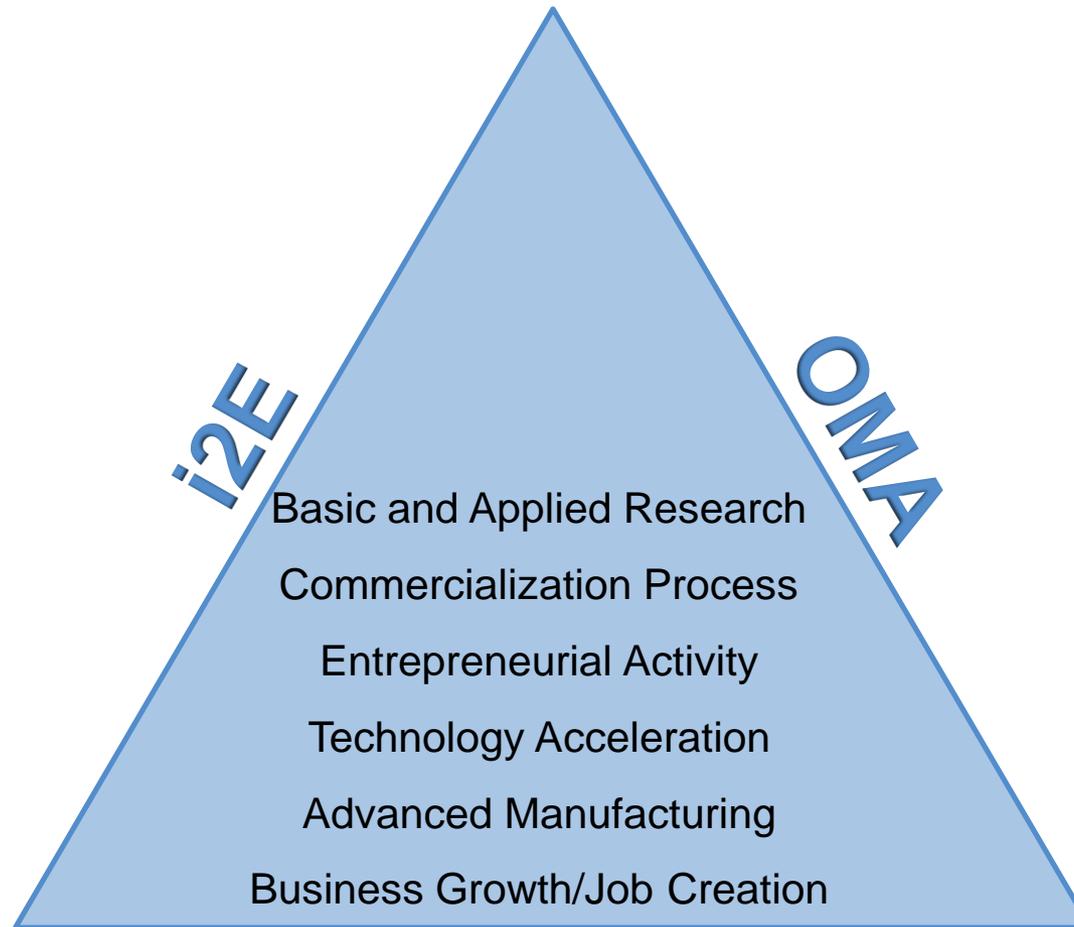
# Oklahoma's Innovation Model

## Strategic Partners



# Oklahoma's Innovation Model

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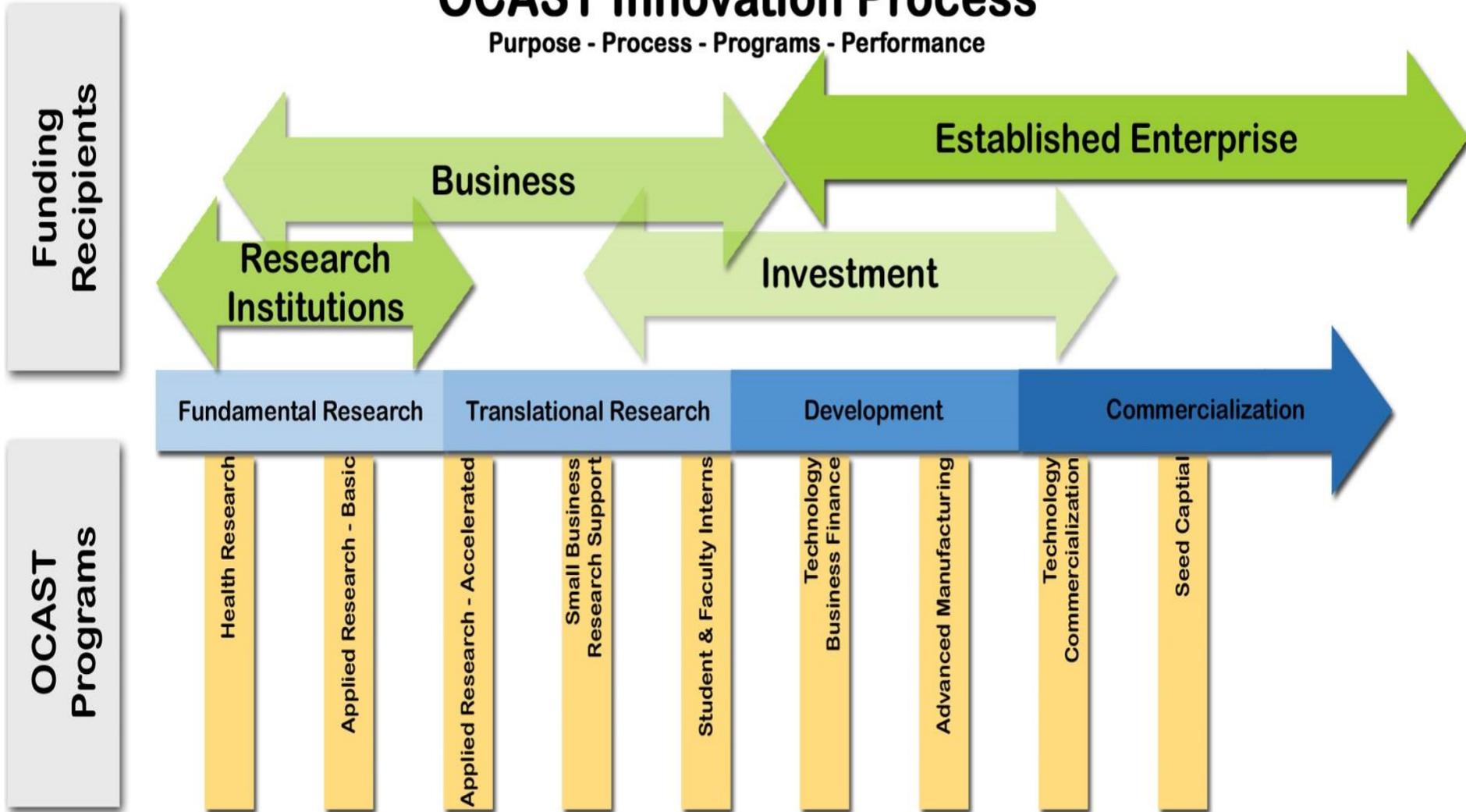


**OCAST**

**Leveraging the Relationship . . .**

# OCAST Innovation Process

Purpose - Process - Programs - Performance



# Keys to Building Oklahoma's Innovation Economy

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- Technology
- Capital
- Talent
- Public/private collaboration

# Technology Focus Areas

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- Advanced Materials/Nanotechnology
- Aerospace and Defense
- Agriculture/Plant Science
- Bioscience and Biotechnology
- Energy (fossil and renewable)
- Information Technology/Cyber Security
- Weather and Climate

# OCAST: *An investment in Oklahoma's S&T future*

# 2015 Budget Request: \$26.4M

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- \$3.6M to expand existing programs
- \$5.0M for R&D equipment program

## Rationale

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- Accelerate diversity and growth of the state's economy
- Pent-up demand for funding
- Attract more federal and private dollars
- Enhance technology commercialization (i2E)
- Increase manufacturing capability/competitiveness (OMA)
- Align with "OneOklahoma": A Strategic Plan for Science and Technology in Oklahoma, 2012
- Build sustainable economic development

# Innovation

*“Take a state you normally wouldn’t think of in this regard: Oklahoma. It has its own Oklahoma Center for the Advancement of Science and Technology (OCAST) which describes its mission as follows: in order to compete in the new economy, Oklahoma must continue to develop a well-educated population; a collaborative, focused university research and technology base; and a nurturing environment for cutting-edge businesses, from the smallest start-up to the largest international headquarters...”*

Thomas L. Friedman, *The World Is Flat: A Brief History of the Twenty-First Century* [page 244]