



The Power of Activating Arizona's Collaborative Gene

Joan Koerber-Walker
President & CEO
Arizona Bioindustry Association



Arizona Biosciences

96,000 in 2011

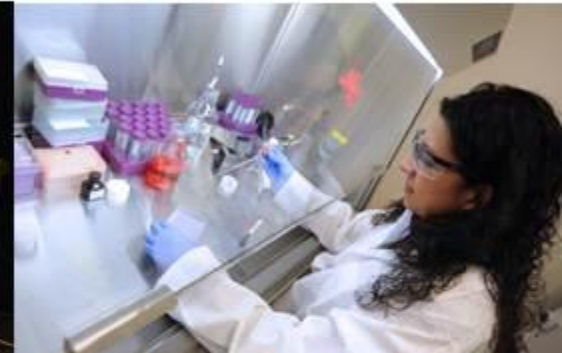
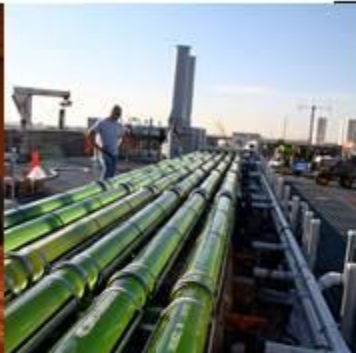
Over 148,000 jobs by 2020

Contribution of entire bio sector (including non-hospital bio, hospitals, and academic research) to Arizona's economy in 2020



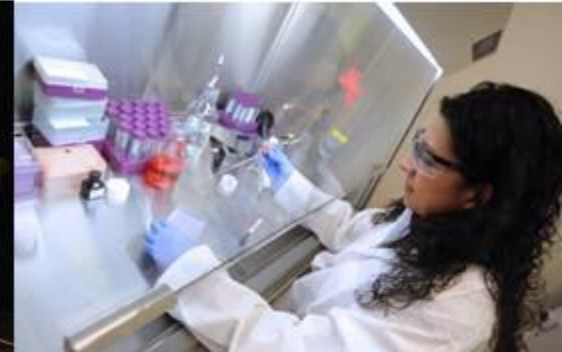
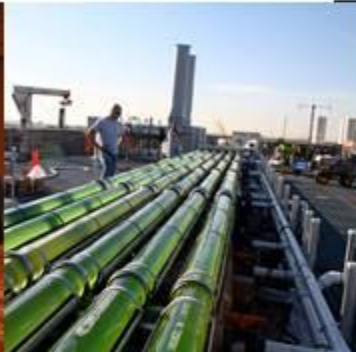
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\$55,353 average wage



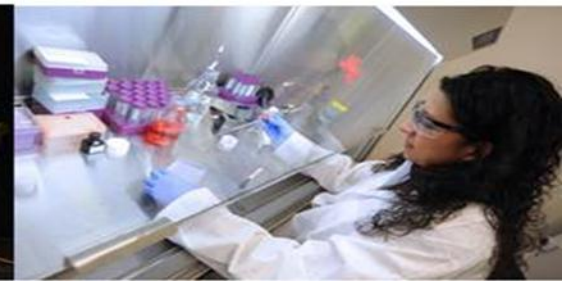
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Jobs growing nearly 4x
faster than nation



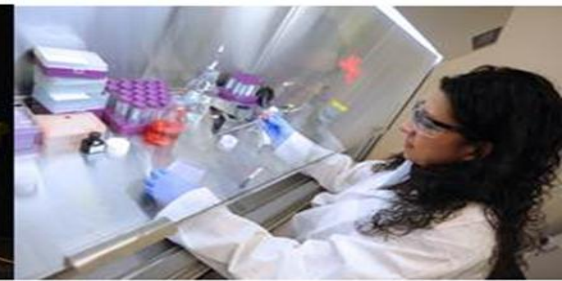
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Continued job growth
during/after recession



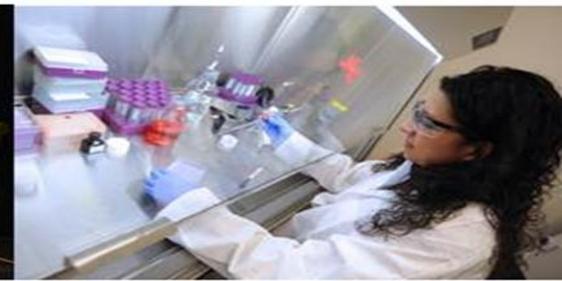
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NIH grants growing faster than
top-10 states



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\$28.8 billion generated
in annual revenues



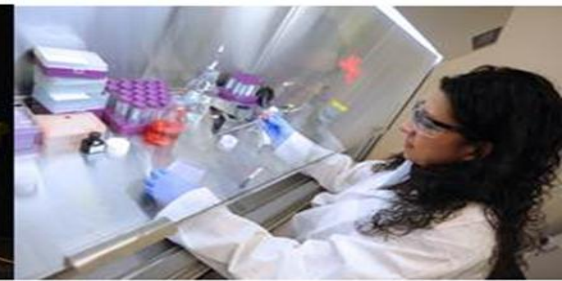
Arizona Biosciences

Latest healthcare innovations
available to Arizonans



Arizona Biosciences

- 96,000 jobs
- \$55,350 average wage
- Jobs growing nearly 4x faster than nation
- Continued job growth during/after recession
- NIH grants growing faster than top-10 states
- \$28.8 billion generated in annual revenues
- Latest healthcare innovations available to Arizonans



Why Biosciences?

1 in 2.5 will develop cancer

1 in 2.5 will develop heart disease

1 in 3 will develop diabetes

1 in 8 will develop Alzheimer's

1 in 110 children is affected by autism

Sources: Alzheimer's Association, American Cancer Society,



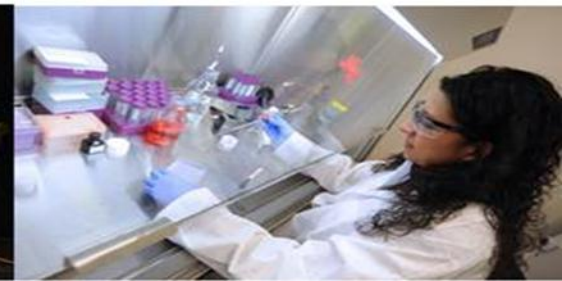
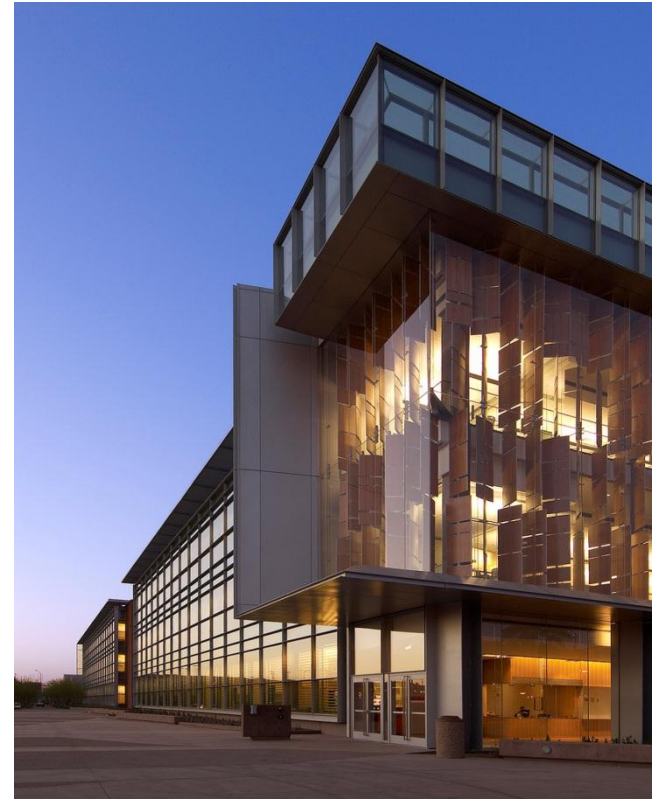
Why Arizona?

World-class talent, facilities

Nationally recognized
research strengths

“Collaborative gene”

Long-term strategic plan



Arizona's Bioscience Roadmap

10-year plan launched in Dec. 2002

Commissioned by Flinn Foundation

Research by Battelle

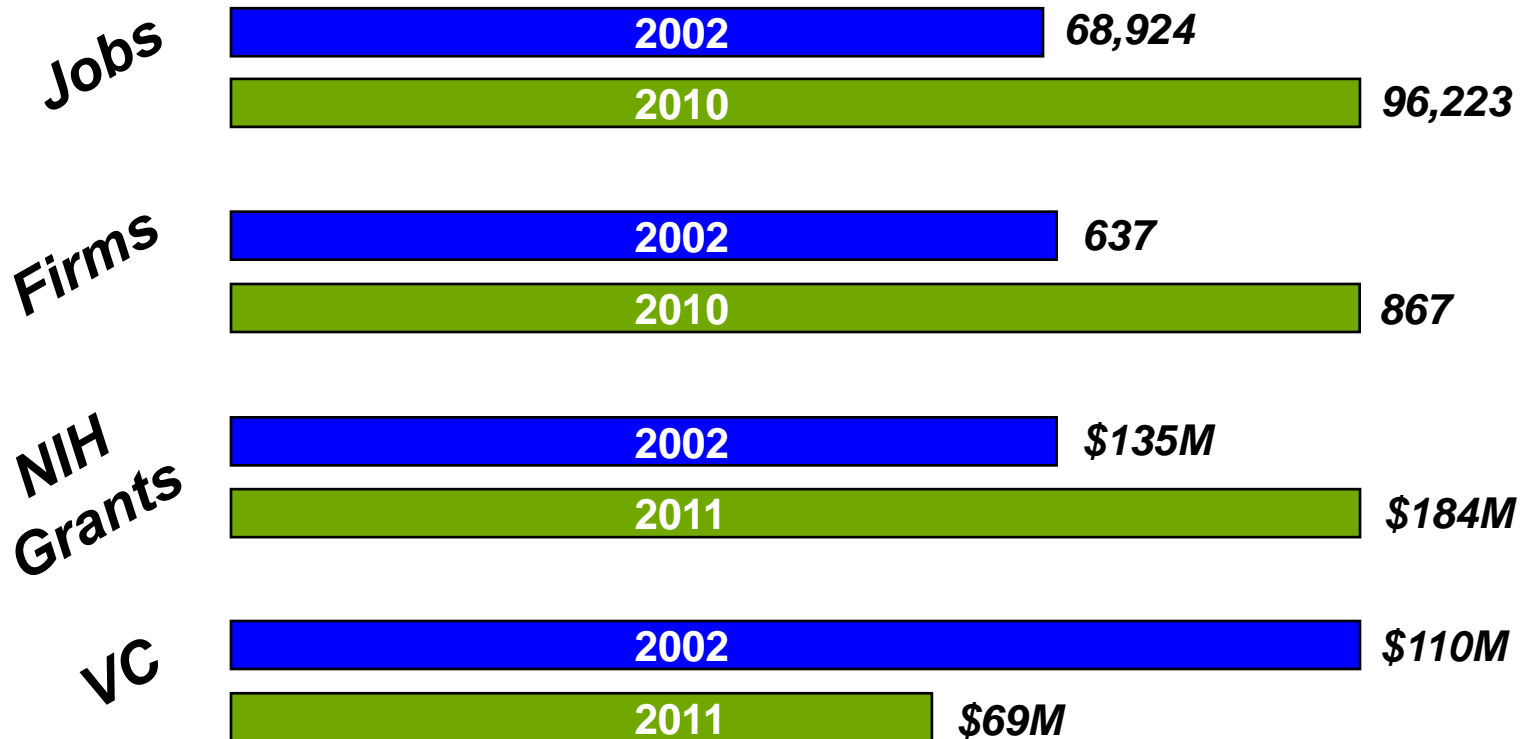
Guided by statewide committees
of experts in science, business, policy

Strategy: focus on strengths, leverage
collaboration



Moving the Needle

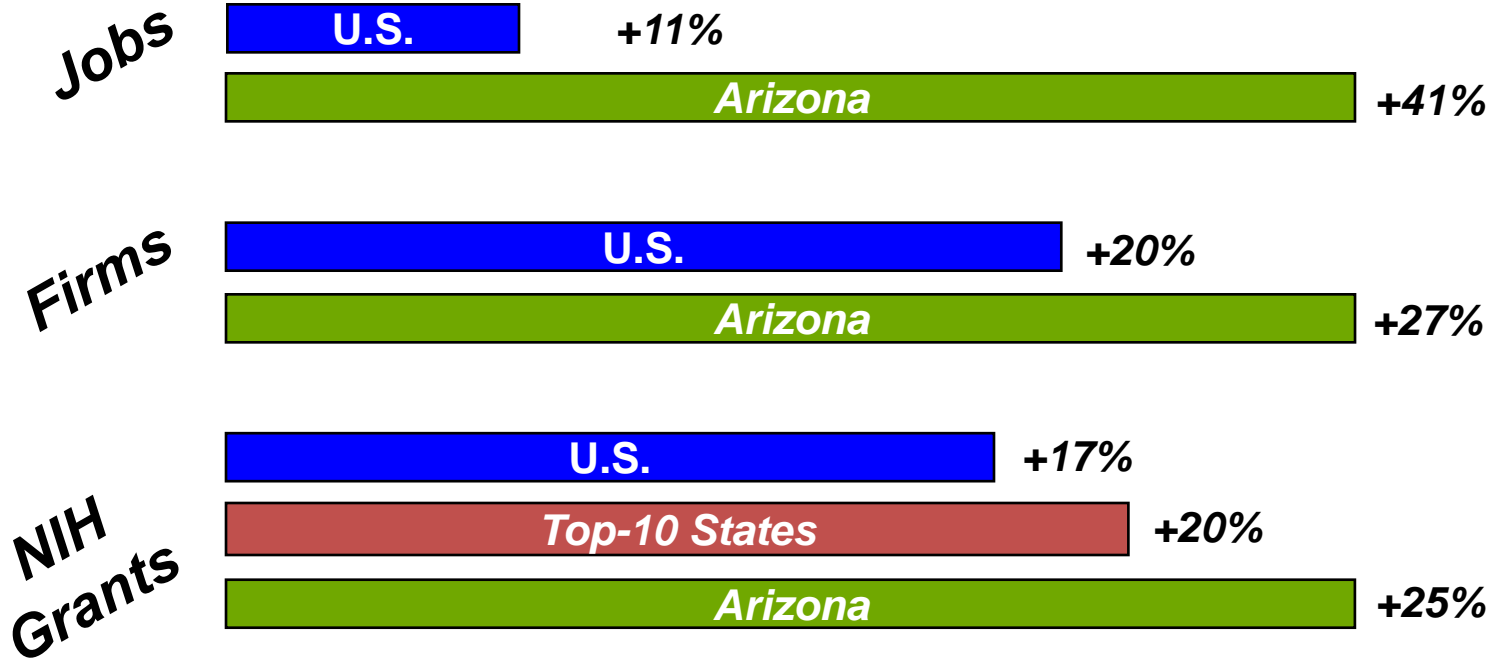
Arizona's bioscience performance, 2002-present



Source: Battelle, 2012

Fast Growth

Arizona's bioscience performance, 2002-present



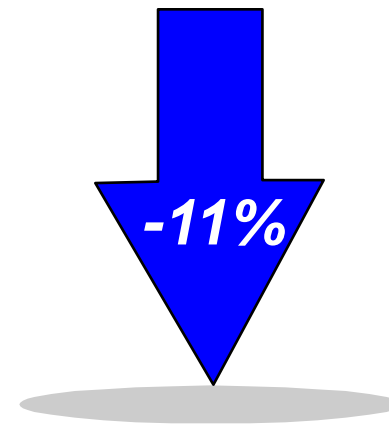
Source: Battelle, 2012

Recession-Tested

Job growth during Great Recession (2007-09)



Arizona Biosciences

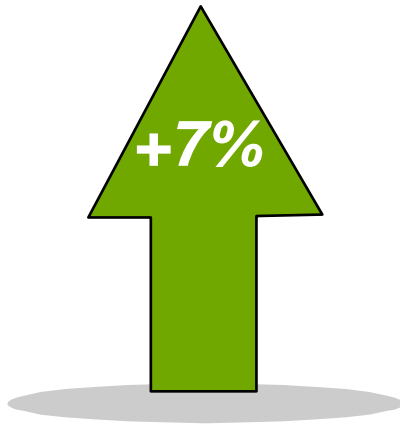


Arizona Private Sector

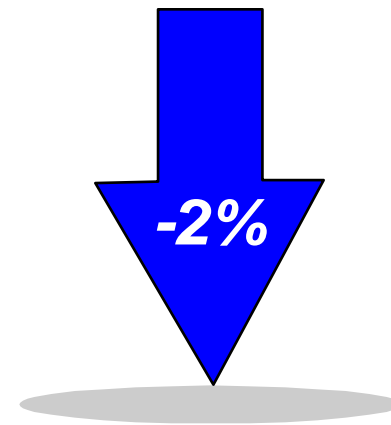
Source: Battelle, 2012

Recession-Tested

Job growth during post-recession recovery (2009-10)



Arizona Biosciences



Arizona Private Sector

Source: Battelle, 2012

Economic Impact

Arizona biosciences generate....

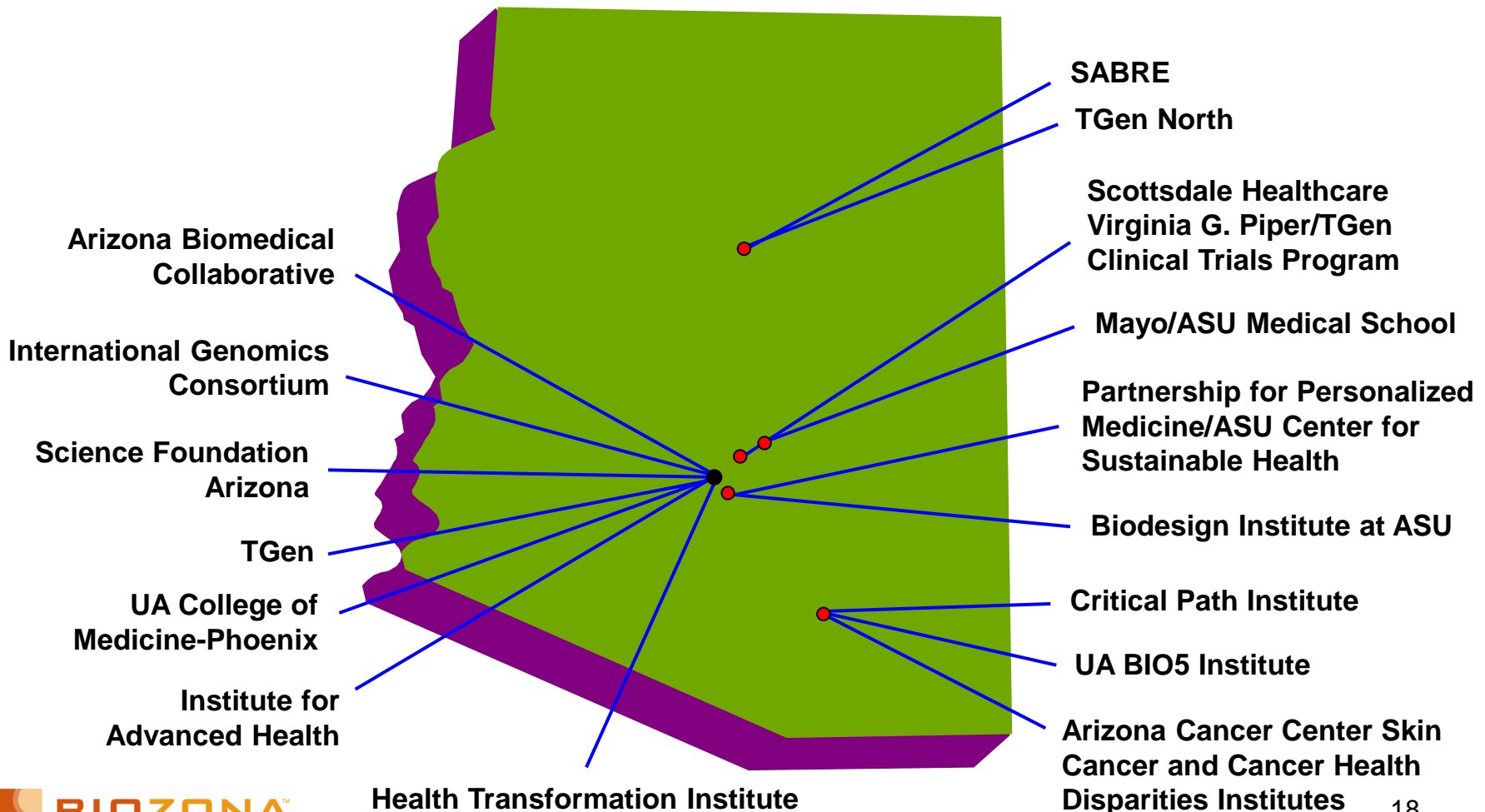
\$28.8 billion in annual revenues

\$1.1 billion in annual state/local taxes



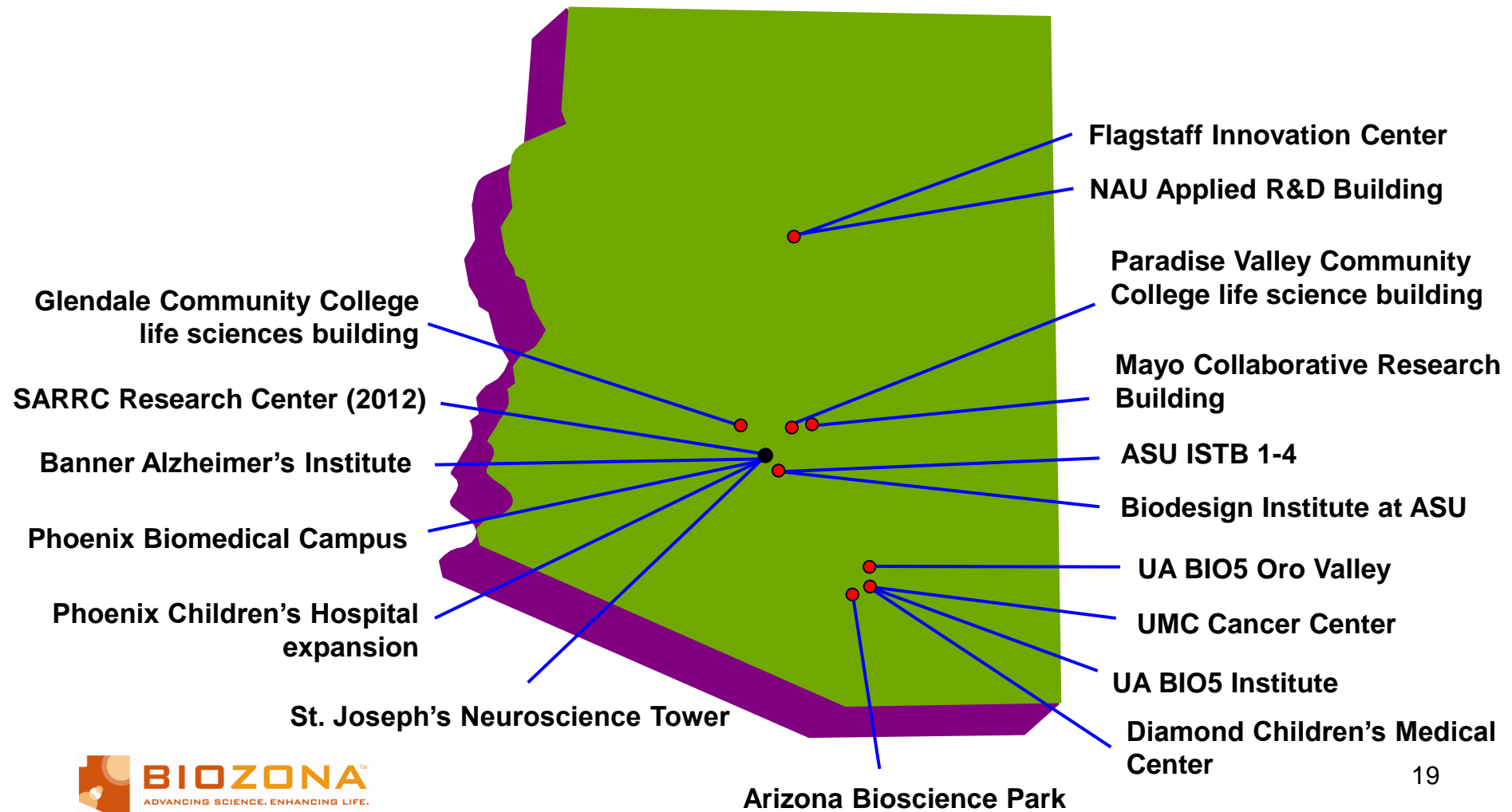
New Since '02

New Research Institutes & Entities (sampling)



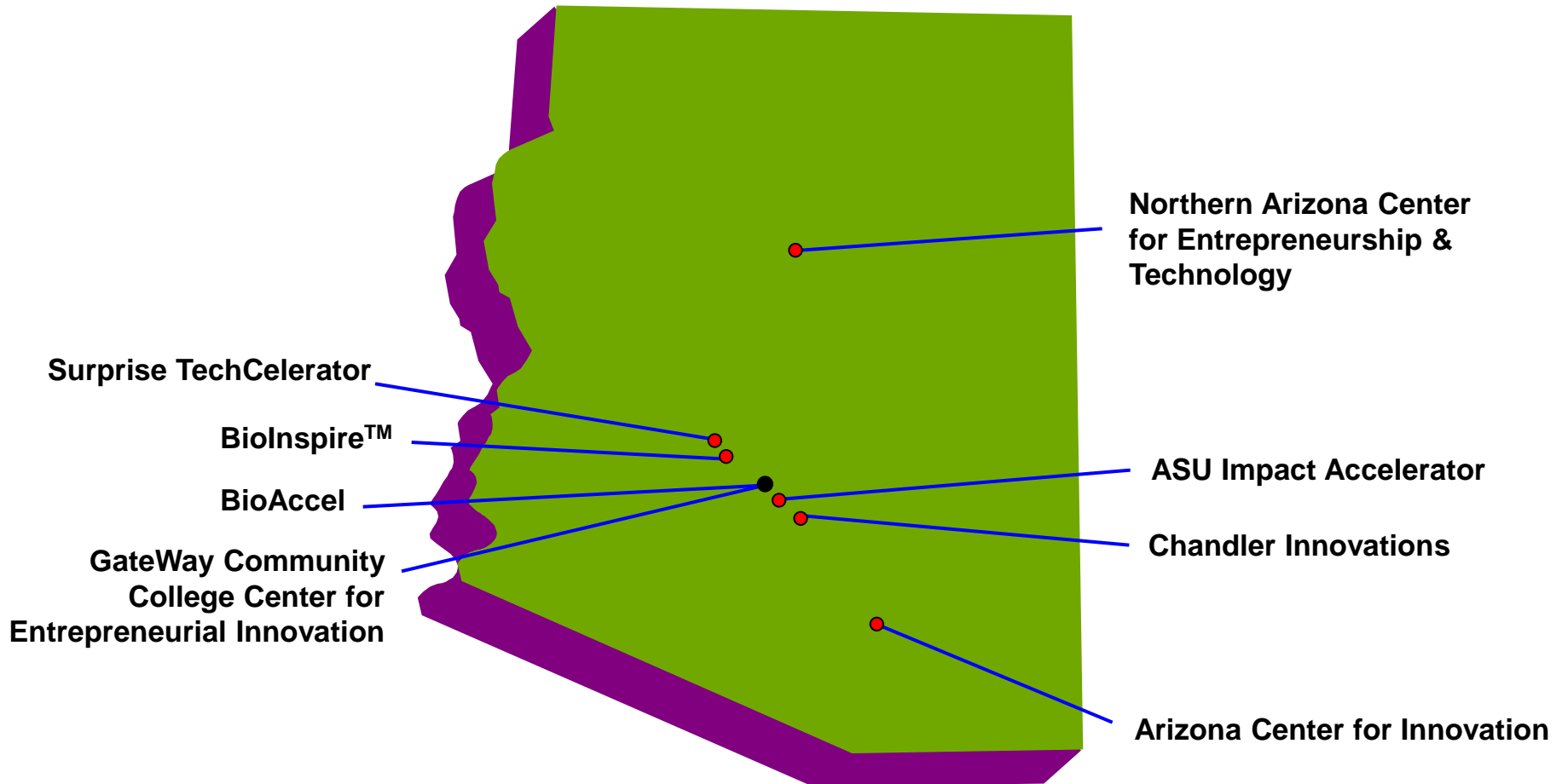
New Since '02

New Facilities (sampling)



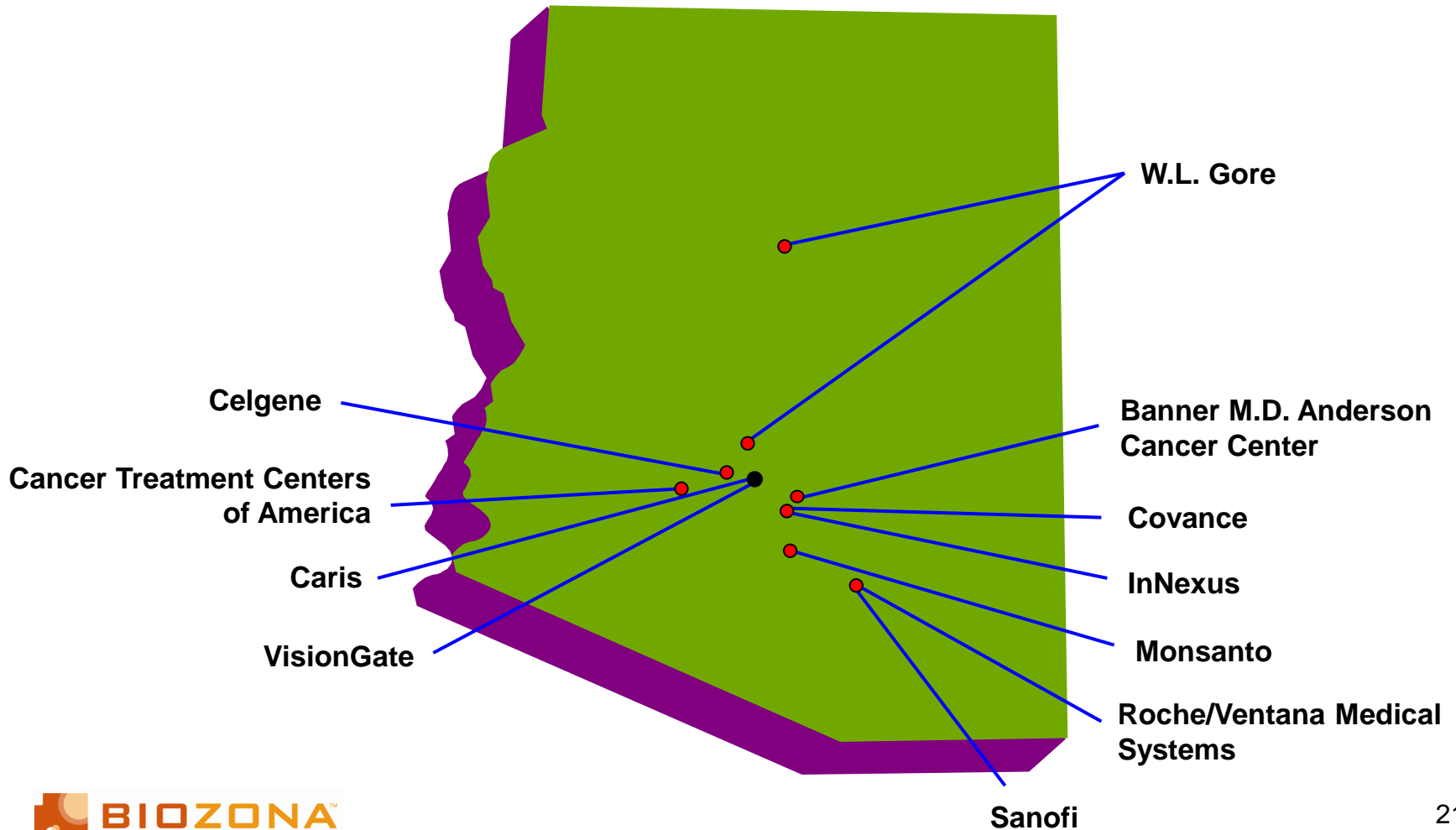
New Since '02

New Incubators/Accelerators (sampling)



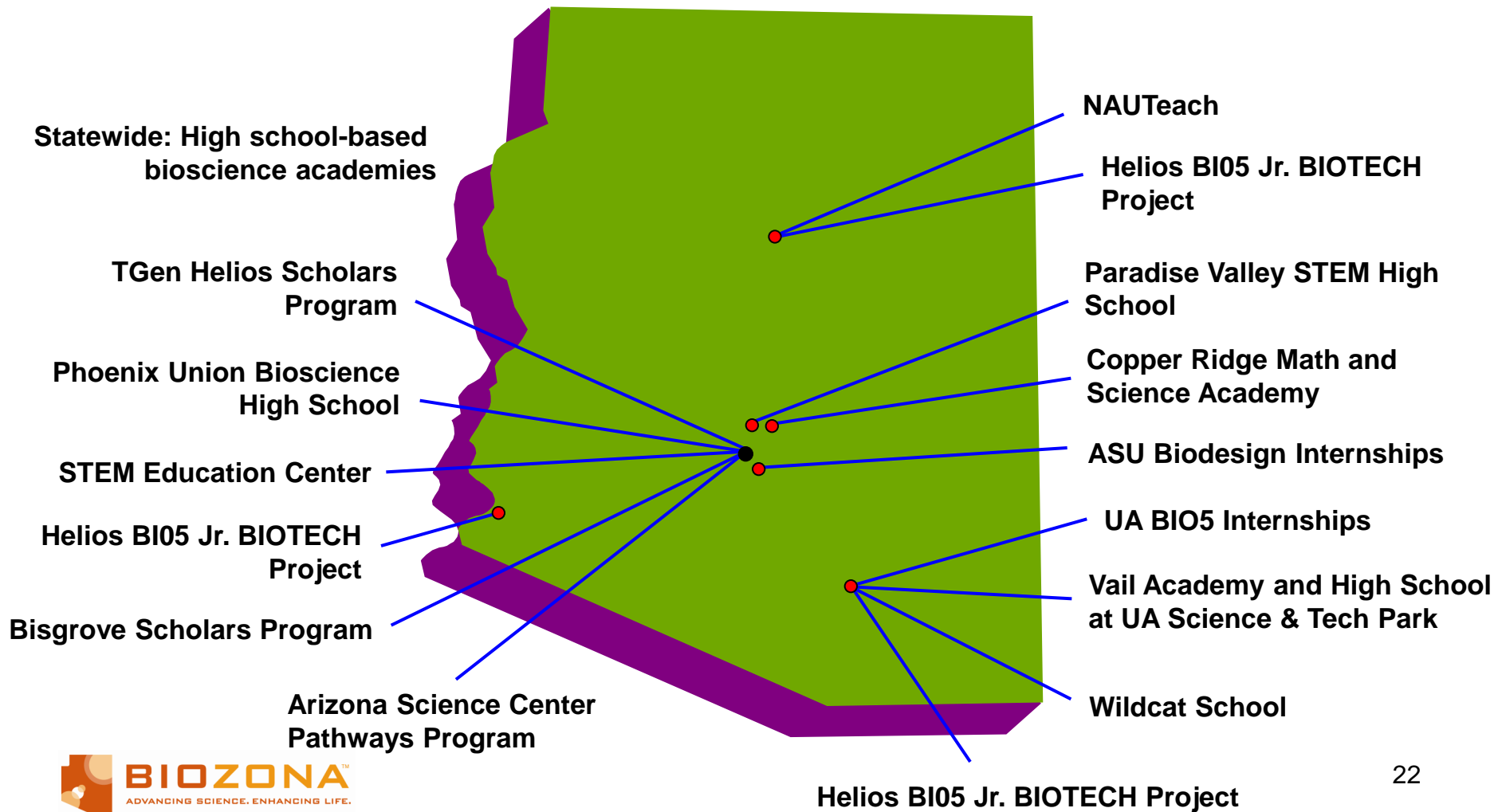
New Since '02

New or Expanded Major Companies (sampling)



New Since '02

New Schools and Education Programs (sampling)



Lessons Learned

1. Our Collaborative Gene is Our Differentiator
2. Communication is Key
3. Nothing grows without 2 things
4. D³ Initiatives are Crucial
5. Build the Future Pipeline by supporting STEM Education



For More Information

Arizona's Bioscience Roadmap:
flinn.org

Arizona BioIndustry Association:
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