

Nevada Statewide Plan 2022

GOED Board Meeting, September 22, 2022

Roland Stephen, Executive Director
Center for Innovation Strategy and Policy

SRI is an independent mission-driven non-profit

Legacy

Founded in 1946 by
Stanford University



Innovation

\$4B+ in research
over the last 10 years

4,600+

Total patents

13k+

Patent cases

1,000+

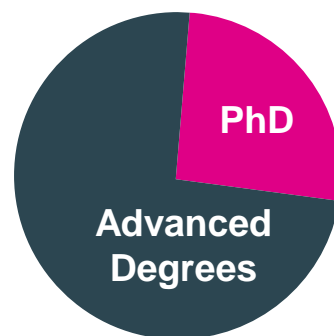
Scientific reports

1,000+

R&D projects / year

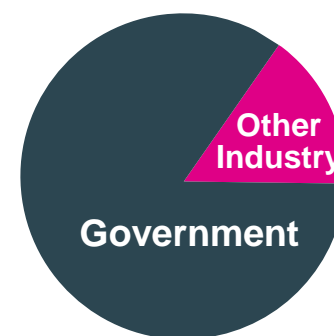
1,700+

Staff members



~\$500M

Annual revenue



Transition

Helped to create hundreds of billions of marketplace value

50+

Spin-off
companies

100+

Technology
licenses

1,000+

Custom built
advanced products

Analytics, Data Analysis, & Strategy Consulting

The Center for Innovation Strategy and Policy (CISP) collaborates with organizations, regions, and countries to accelerate the long-term economic and social impact of investments in technology, innovation, and a skilled workforce.



Nevada Statewide Plan 2022

- + Strategic Directions
- + Target Industries
- + Community & Economic Development
- + SWOT
- + Actionable Goals



Strategic Directions

Actions to build a diverse, innovative, and sustainable economy that:

- + Build on Nevada's location and accelerate integration into world markets
- + Offer pathways into higher skills and higher paying jobs
- + Grow small business and the innovation ecosystem
- + Foster a high quality of life for all residents

Target Industries

Information & Technology

- Broadband
- Data Hubs
- Cyber Security
- Technology-Manufacturing

Transportation & Logistics

- Warehousing
- Wholesaling
- Trucking
- Rail
- Air
- Water
- Multi-modal Hubs

Natural Resources & Technologies

- Agriculture
- Mining
- Recycling
- Clean Water
- Renewable Energy
- Agricultural-Manufacturing
- Energy Generation and Distribution

Hospitality, Tourism, Sports & Creative Industries

- Outdoor Recreation
- Recreation & Tourism
- Sports
- Gaming Entertainment
- Film Industry
- Creative Industries

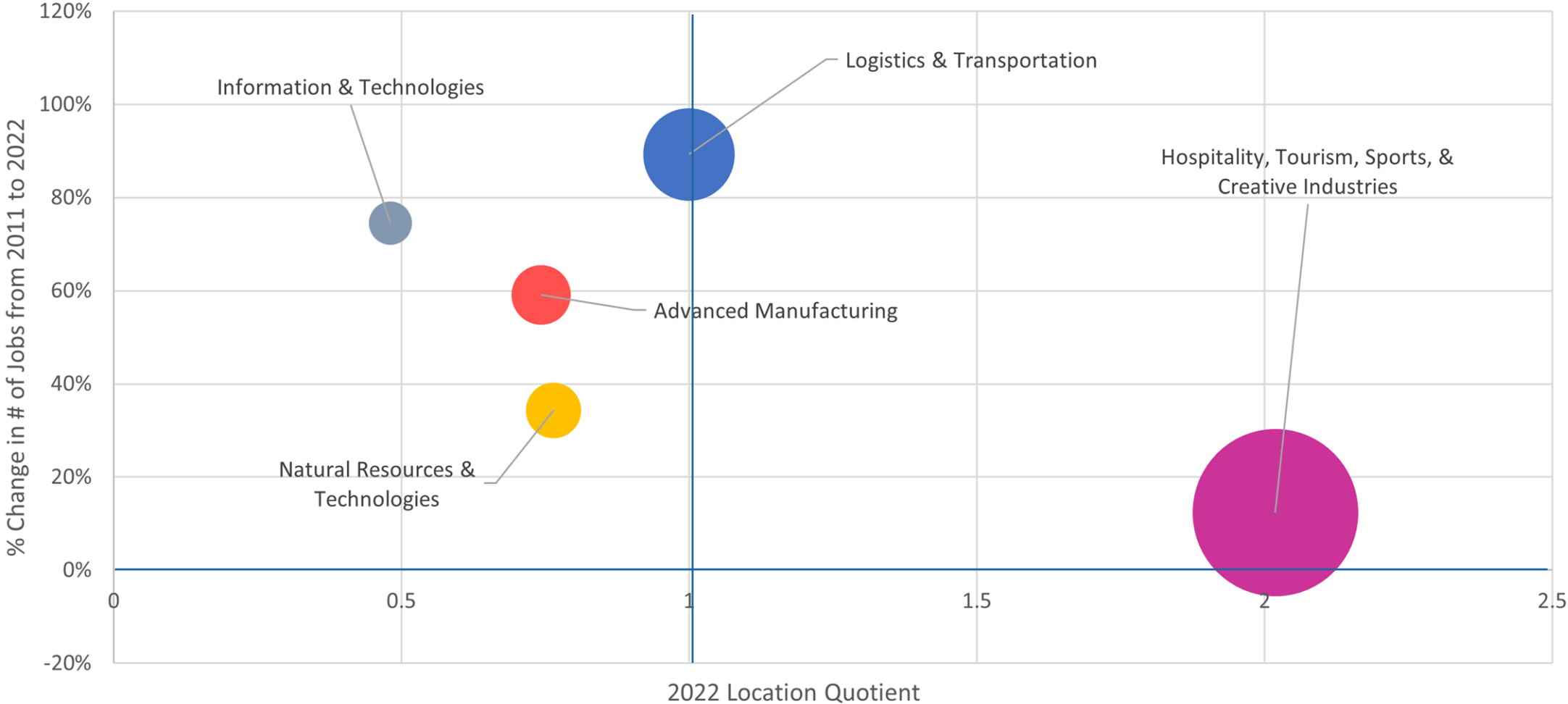
Advanced Manufacturing

- E-Mobility
- Clean Technologies
- Aerospace & Defense
- All Other Advanced Manufacturing



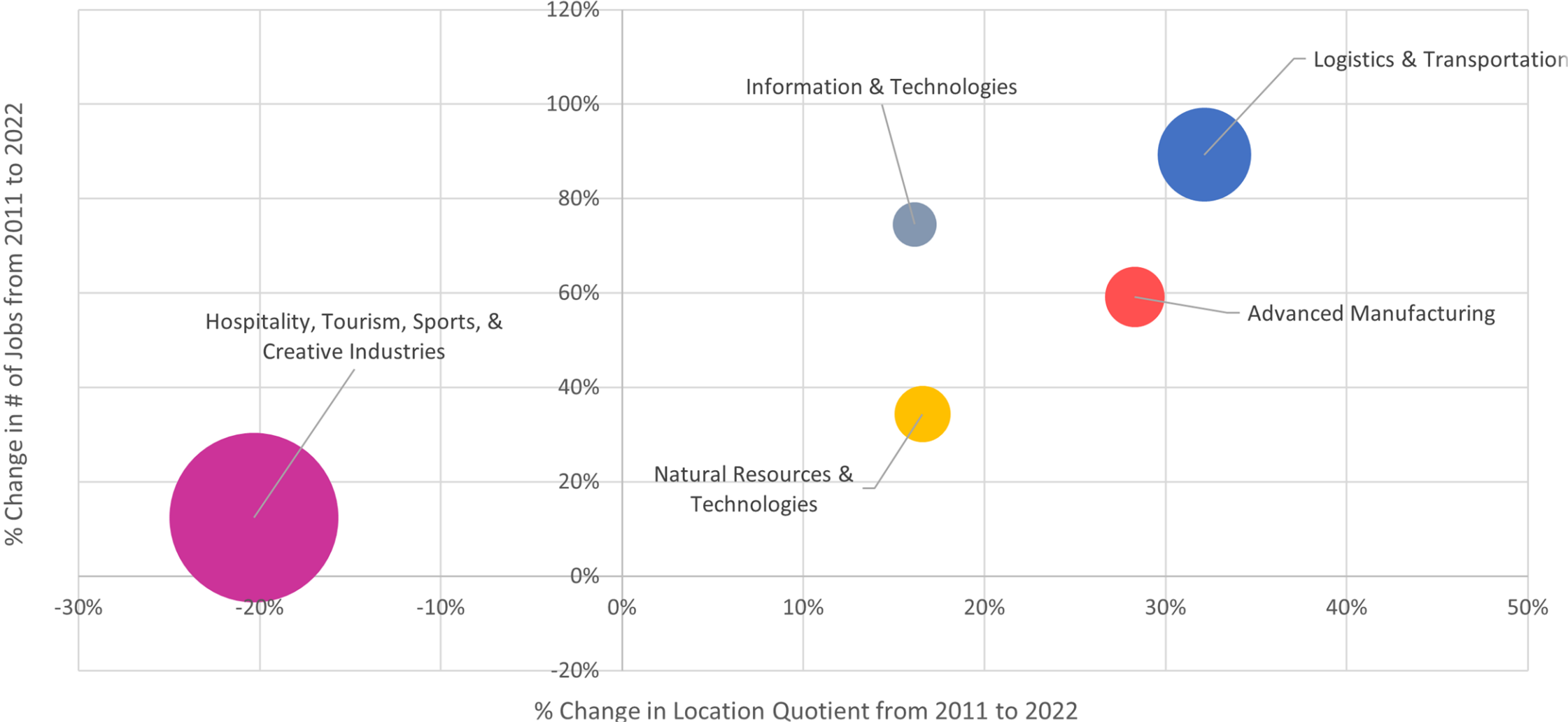
Target Industries Growth in Nevada since 2011 (% change in jobs)

Nevada Target Industries Concentration and Growth (2011-2022)



Target Industries Diversification and Growth in Nevada since 2011

Nevada Target Industries Diversification and Growth since 2011



Community Development: Economic Enablers for Growth and Development

Institutional Enablers

- + Governance and business environment
- + Innovation ecosystem support
- + Community services

Infrastructure Enablers

- + Water, Energy
- + Air quality
- + Housing
- + Land use

Human Capital Enablers

- + Workforce
- + Education
- + Healthcare

Information Technology

STRENGTHS

Tax and regulatory environment

WEAKNESSES

Weak connections to research institutions limit commercialization opportunities

OPPORTUNITIES

Collaboration with proximate CA tech hubs

THREATS

Broadband infrastructure

Transportation and Logistics

STRENGTHS

Location

WEAKNESSES

Road conditions,
congestion, and
connectivity

OPPORTUNITIES

Expansion of rail and
airport infrastructure

THREATS

Global supply-chain
disruptions

Natural Resources Technologies

STRENGTHS

Lithium and other minerals

WEAKNESSES

EV infrastructure

OPPORTUNITIES

Production and recycling of batteries

THREATS

Lack of in-state R&D

Hospitality, Tourism, Sports, and Creative Industries

STRENGTHS

Strong presence of professional sports teams, artists and entertainers

WEAKNESSES

Professional networks

OPPORTUNITIES

E-gaming and e-sports innovation ecosystem

THREATS

Stronger wages and benefits in other states
Economic cycles

Advanced Manufacturing

STRENGTHS

Major new business activity
Connection to EV industry in CA

WEAKNESSES

Higher education and certificate programs for green and renewable technologies

OPPORTUNITIES

University-industry collaboration for robotics and e-mobility
On-shoring

THREATS

K-12 funding for STEM

Statewide Analysis

STRENGTHS

- + Location
- + Natural resources
- + In-migration
- + Diversification of industries
- + Low taxes

WEAKNESSES

- + Government capacity
- + Fiscal structure
- + Federal lands
- + Low K12 performance
- + Decentralized workforce system
- + Healthcare system
- + Community services
- + Weak connections to research institutions
- + Lack of infrastructure system

OPPORTUNITIES

- + Energy transition
- + Testbed for new tech
- + On-shoring
- + Supply chain
- + Remote/hybrid work
- + Expansion of rail & airports

THREATS

- + Climate change
- + Exposure to econ cycles
- + Competition from Mountain West states
- + Water shortages
- + Housing shortages

Actionable Goals



Goal 1

Bolster Innovation Ecosystem

Develop a business-ready environment that enables entrepreneurship

Encourage effective ecosystem collaboration, including partnerships between universities, startups, established, larger businesses

Become the data capital through expansions in 5G infrastructure, ICT businesses, and broadband access



Goal 2

Strengthen Talent Pipeline

Support the scaling of existing workforce programs that increase STEM skills, creative and critical thinking, foundational skills

Elevate industry voice and priorities into an aligned and coordinated workforce development ecosystem

Promote post-secondary education culture and high school to post-secondary pathways



Goal 3

Support Target Industries

Build on Nevada's legacy of innovation in arts and entertainment with expansion of facilities for e-gaming and e-sports

Position Nevada as a leader in the development and deployment of clean energy technologies

Develop an inland port and multimodal facility that takes advantage of NV's proximity to Port of LA



Goal 4

Strengthen Core Economic Enablers

Ensure adequate healthcare access

Increase housing opportunities through infill and improved land use

Increase staffing and government capacity, particularly permitting

Ensure sufficient infrastructure and other resources are available for new development in Nevada

SRI International[®]

Thank you