



# Innovation District P3s

THE NEW “TOWN-GOWN”  
PARTNERSHIPS

October 25, 2021 | P3 Higher Education Summit





# Introduction

## TODAY'S PANELISTS



**Jeffrey Turner**  
Brailsford & Dunlavey



**Reed Kawahara**  
UC Davis



**Rodolfo Torres**  
UC Riverside



**Brian Darmody**  
AURP



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# Innovation Districts History & Trends





# Innovation Districts History

**THE WORLD'S FIRST RESEARCH PARK: STANFORD UNIVERSITY: 1951**





# Innovation Districts History





# Innovation Districts History

BEFORE THERE WERE THE INNOVATION DISTRICTS WE KNOW TODAY



Ancient Bazars in Middle East

## Birthplace of London Stock Exchange: Jonathan's Coffee House





# Innovation Districts History

## KNOWLEDGE-BASED URBAN DEVELOPMENT (KBUD) PARADIGM

### **Old model:**

- Hub for commerce, research and education
- Focus only on occupational & industrial development

### **Current trend:**

- Facilitating recreational, cultural and community-based activities
- Newer important components: quality of place, mixed-used development, walkability, heterogeneity, diversity & authenticity
- Downtown, diverse lifestyles, variety of cafés and restaurants, dynamic nightlife, active street life, improved aesthetic, vibrant cultural opportunities



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# Innovation Districts History

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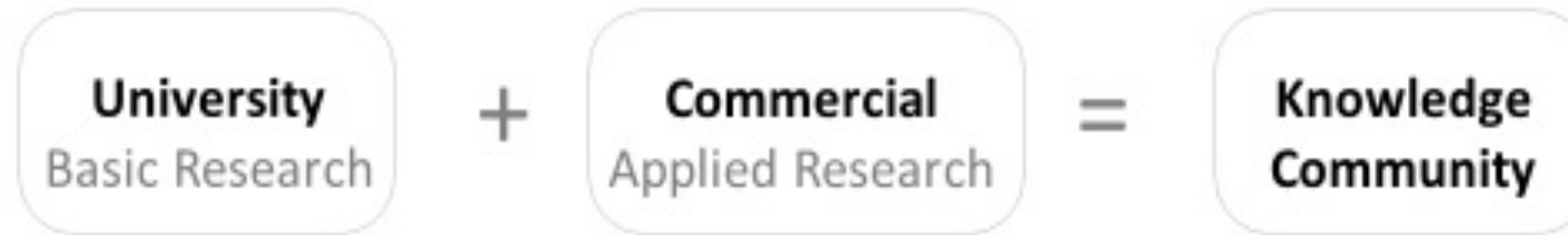
### Why the shift?

- Peculiar profile of knowledge-based workers
  - Seek authentic scenes, amenities & quality of living, not just lucrative occupation
  - Prefer vibrant, urban locations, where one can socialize with like-minded people & diverse communities
- Need for informal networks
- Change in nature of creative/smart/innovative work
  - Requires new configurations of place with blurred boundaries between work & daily activities
  - Flexible working hours / work environment



# Today's Innovation Districts

## DNA OF AN INNOVATION DISTRICT OF KNOWLEDGE COMMUNITY



Ideas



Practice



Integration



# Today's Innovation Districts

## WHAT MAKES UP AN INNOVATION DISTRICT

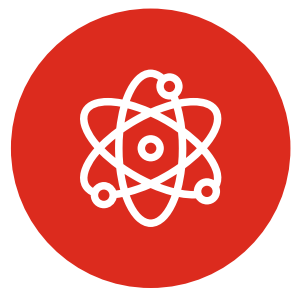


# Innovation Ecosystem Asset Framework

## ASSESSING YOUR INNOVATION DISTRICT: A HOW-TO GUIDE

BROOKINGS

### *Town-Gown*



#### CRITICAL MASS

A robust economic activity hub with a density of innovation assets, **well-connected within the region and beyond**



#### INNOVATION CAPACITY

Focal point of research, translated into new products and services  
Distinctive advantages leveraged & aligned to spur innovation



#### DIVERSITY & INCLUSION

**Intentional strategies and policies and programs tailored for impactful economic opportunity**



#### QUALITY OF PLACE

Attract diverse firms and people, support collisions, accelerate innovation outcomes

**Options for connecting people both to the hub and within the hub**



#### LEADERSHIP

Shared, sustained commitment by leaders of key organizations to drive change



# Innovation Ecosystem Asset Framework

## ASSESSING YOUR INNOVATION DISTRICT: A HOW-TO GUIDE



### CRITICAL MASS

Spaces to create & nurture connections

Revitalization of existing facilities

Conversion of private spaces to public



### SOCIAL CONNECTIONS

Events that strengthen links

**Integration of networks between people of different contexts**

Culture of flexibility



### GOVERNANCE & OPERATIONS

Place-based strategies integrated with distinct policies & programs that help innovation hubs flourish

Flexible master plan

Redirect power, financing, responsibility to hub level



### COMMON CHALLENGES

Sparking innovation-led economic dev

**Ensuring hub is conducive to change interactions and community engagement**

**Making hub truly inclusive**

# FEDERAL FUNDING & LEGISLATION

## AMERICAN RESCUE PLAN – PHASE II FUND OPPORTUNITIES





# FEDERAL FUNDING & LEGISLATION

## AMERICAN RESCUE PLAN – PHASE II FUND OPPORTUNITIES

Notice of Funding Opportunity Available on Grants.gov	July 22, 2021
Phase 1	
Application for Phase 1 Concept Proposals Opens	July 22, 2021
Concept Proposals are Due	October 19, 2021
Concept Proposal Finalists Selected and Technical Assistance Grants Awarded	December 2021
Phase 2	
Full Applications are Due (Must be selected as a finalist in Phase 1 to submit a Phase 2 Full Application)	March 15, 2022
Phase 2 Awards Announced	No later than September 2022

Project must be completed by **May 31, 2027** – 4.5 years after award

# FEDERAL FUNDING & LEGISLATION

## OPTIONS TO CONSIDER IF YOUR REGION WINS OR DOESN'T WIN BUILD BACK BETTER FUNDS

1. **If you don't win Phase 1 funds**, EDA and other federal funding agencies have programs to advance your region
2. **If selected for Phase 1 funding**, you may identify new or modified implementation projects in Phase 2 application how the newly identified project will support the regional growth cluster
3. **Not selected for Phase 2 funding but you have \$500K in BBB planning funds?** The planning funding can be used to mature the projects for future funding opportunities at EDA to increase regional economic competitiveness



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# UC Riverside OASIS Hub





# Innovation District P3s –The New “Town-Gown” Partnerships

## Panel Presentation

October 25, 2021

# OASIS: Opportunities to Advance Sustainability, Innovation, and Social Inclusion



**Rodolfo H. Torres**

Vice Chancellor for Research & Economic Development  
University of California – Riverside



## ➤ What is OASIS ?

OASIS is a public-private partnership led by the University of California Riverside to promote regional economic development in the Inland Empire through solutions-driven applied research, innovation, entrepreneurship, and workforce development around sustainability, clean technology, and social inclusion.



## ➤ The OASIS Hub will

- leverage UCR research strengths in agriculture, environment, health, & community outreach
- build on the existing interaction between UCR, the city and county of Riverside and local industries
- serve as a home for centers and community programs
- incubate start-up companies and provides entrepreneurial training
- strengthen partnerships with workforce initiatives
- welcome and inspire the next generation of diverse research and business leaders
- provide internships and jobs opportunities for students





# ➤ The future of Southern California is the Inland Empire

- Projected to grow its population 44% by 2050
- Recognized for excellence in air quality research, agriculture, natural resources, clean transportation, climate change, community health
- Social mobility, inclusion, and equity are hallmark features of our public higher education institutions
- Diverse population, diverse geography, diverse climate, diverse natural resources
- Nascent tech start-up ecosystem and multifaceted support for innovation
- Epicenter of the transportation, logistics, and warehouse industry



# ➤ Recent regional infrastructure developments



## California Air Resources Board (CARB)

- \$420M investment in the region
- ~450 high-paying jobs



## Citrus industry BSL-3

- \$8M facility
- UCR research to cure Huanglongbing (HLB) citrus disease



## UCR Multidisciplinary Research Building

- \$150M LEED Platinum-certified facility
- Only wet-lab incubator in the IE with capacity for 15 companies



# ➤ Phase I : OASIS Clean Tech Park

Leverage the presence of CARB and already existing synergy with local stakeholders by co-locating

- Center for Environmental Research & Technology (CE-CERT)
- University Extension
- Startup Incubator and Accelerator Space
- Partners Companies



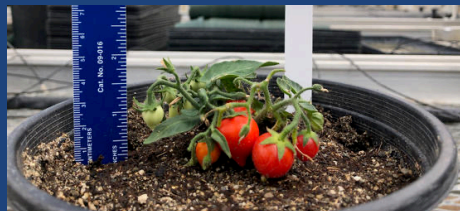
Clean Transportation & Infrastructure



Community Health & Health Disparity



Clean Energy & Fuels



Agriculture Technology & Food Security



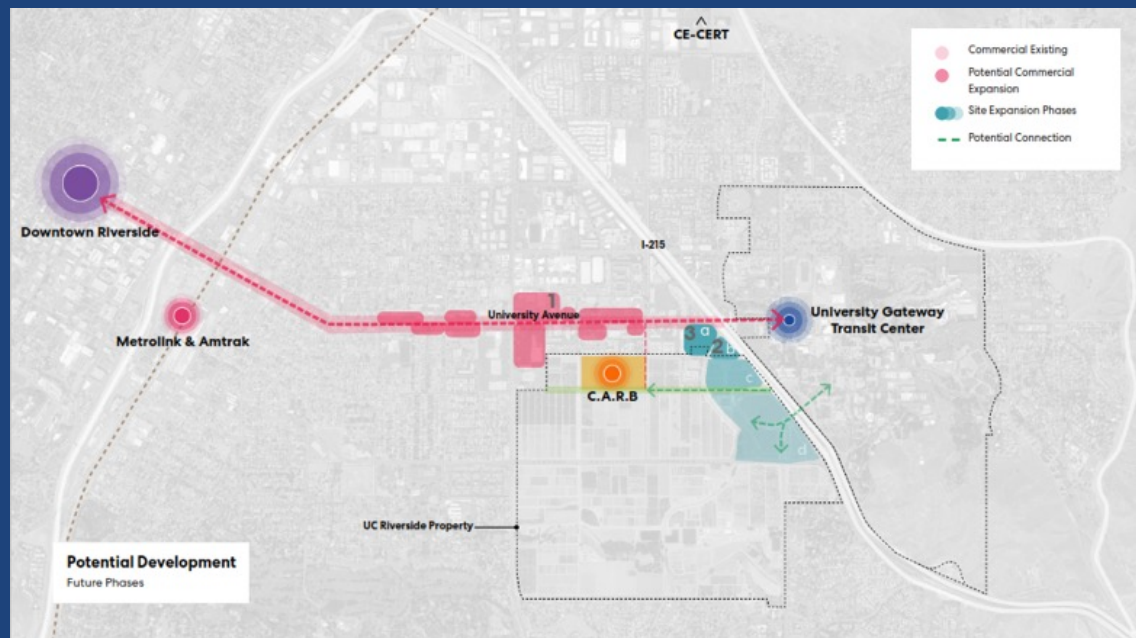
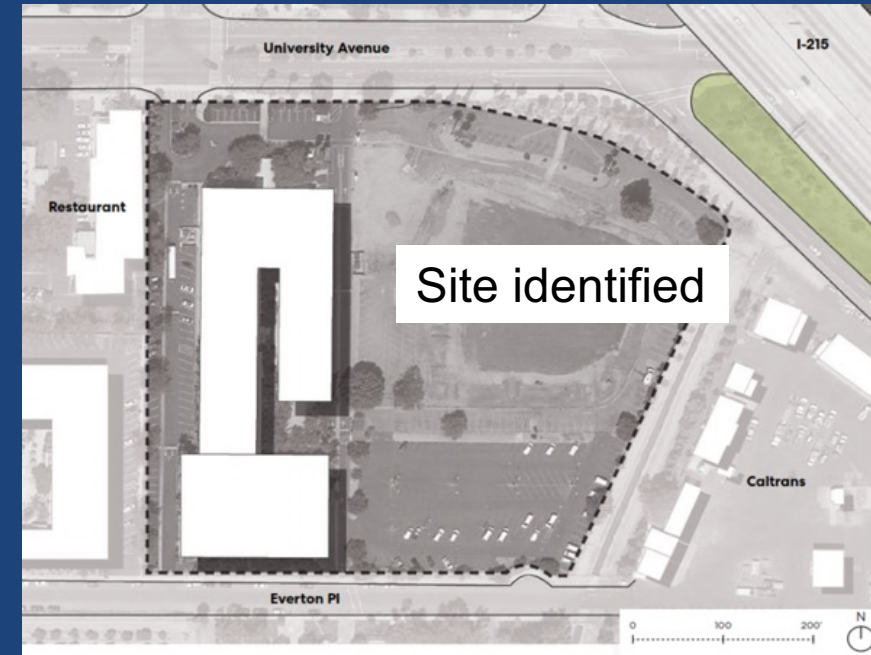
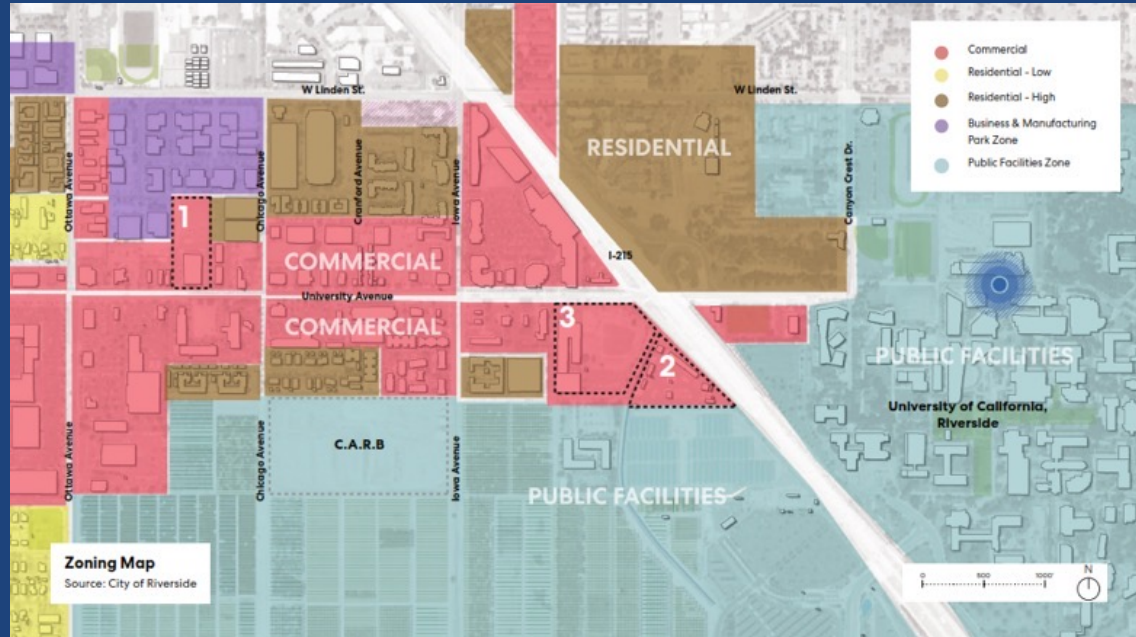
Natural Resource Management  
(Air, Water, Soil)

and more...



Research and Economic Development

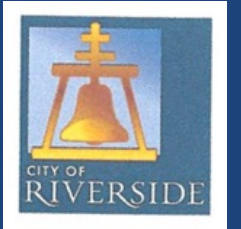
# Location



- Site within the city Innovation District and Opportunity Zone
- In close proximity to CARB and UCR
- 8+ acres
- Capacity for 300,000 - 400,000 sq ft of space
- Already received \$15M from the state of California



# ➤ Partners, supporters, and synergetic initiatives



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UC Davis  
Aggie Square







# Innovation District P3s: The New Town-Gown Partnerships

October 25, 2021





**SITE OVERVIEW**



# Major Themes of the AS Innovation Ecosystem

## Translational Medicine

- Cell & Gene Therapy
- Regenerative Medicine
- Cancer
- Neuroscience

## Digital Health

- Digital Health Technologies
- Data Science & Informatics
- Telemedicine

## Medical Device Development

- Surgical Skills Training
- Service Based Cores

## Community Based Programs

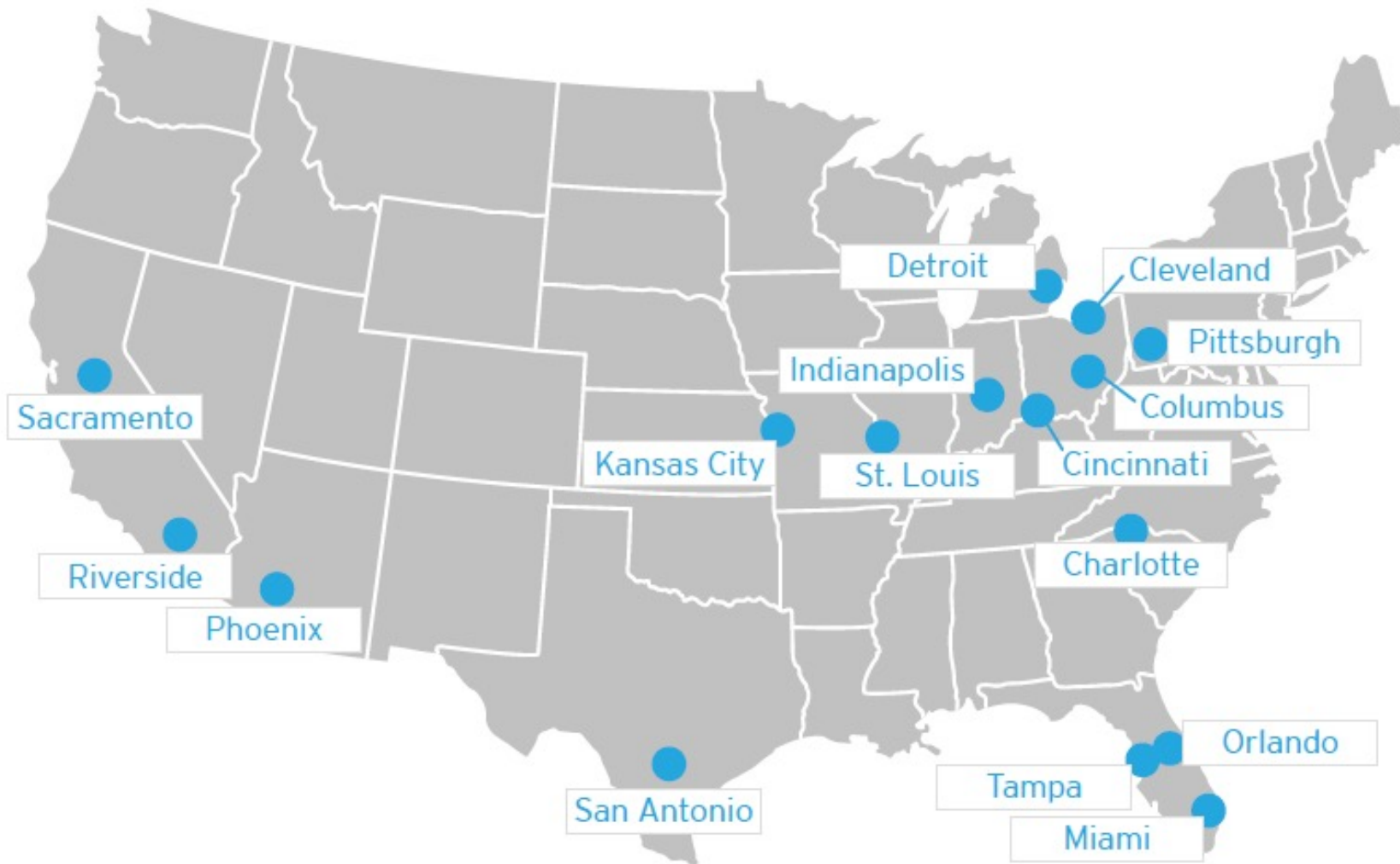
- Public Health Policy
- Nutrition
- Teaching Center



**AGGIE SQUARE**  
**UCDAVIS**

# “Charting a Course to Sacramento’s Future Economic Prosperity”

The Sacramento region is one of 16 American Middleweight regions



## Five Key Factors

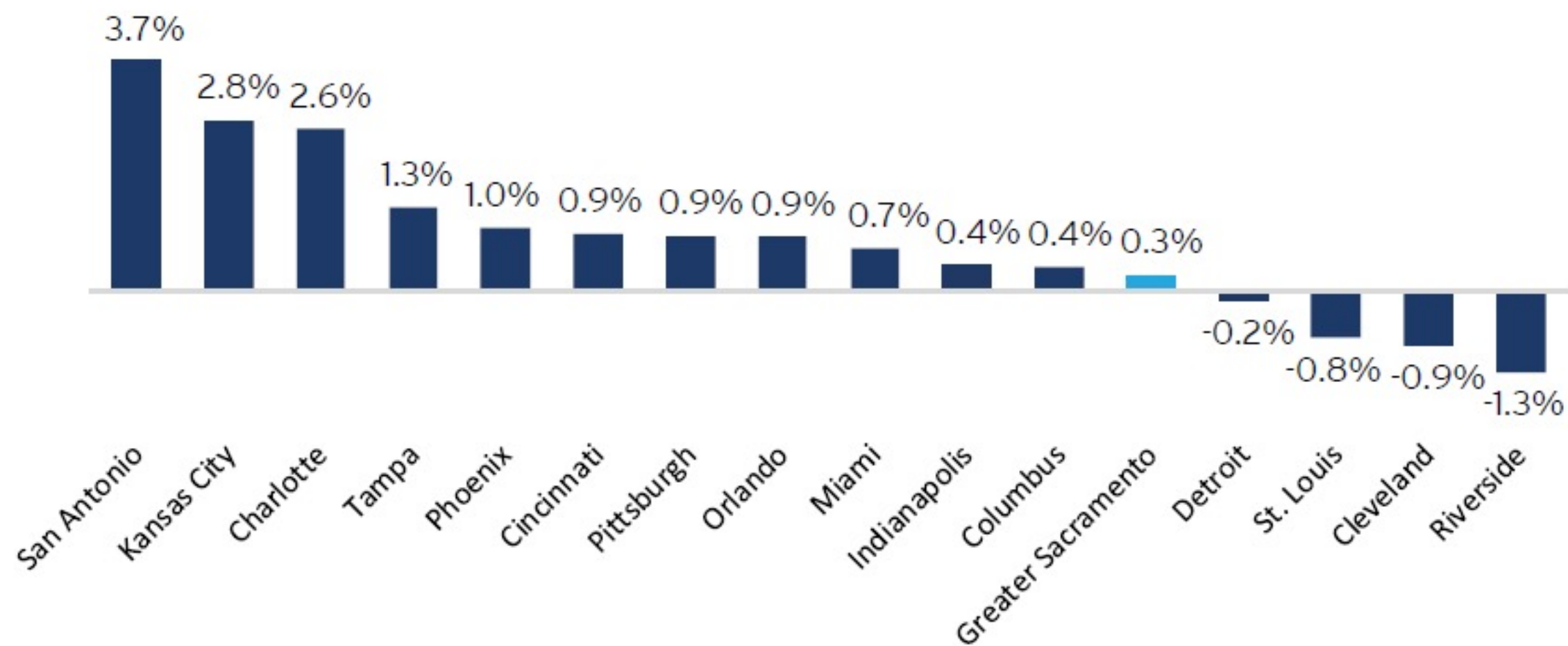
1. Tradeable Industries
2. Innovation
3. Talent
4. Infrastructure
5. Governance

Source: Brookings Institute, Valley Vision, Greater Sacramento Economic Council (2018)



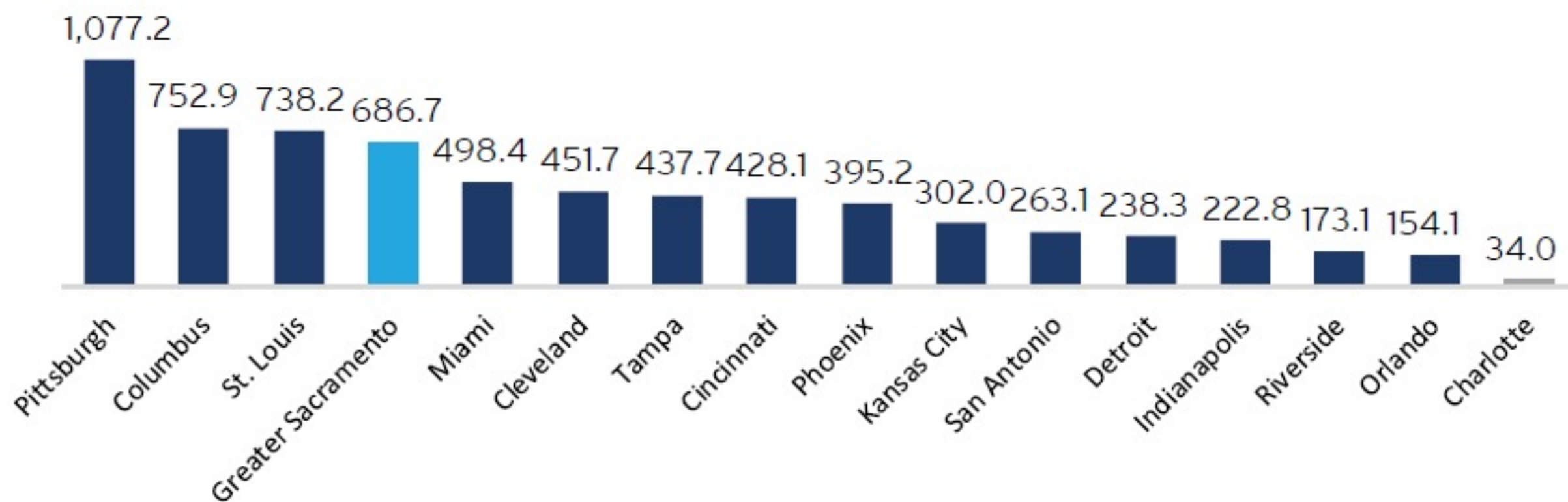
## The Sacramento region experienced relatively slow job growth in advanced industries

Employment CAGR in advanced industries, 2005 - 2015



## The Sacramento region boasts strong research universities

Average annual R&D expenditures at higher education institutions, (millions, 2009 USD), 2011 - 2016



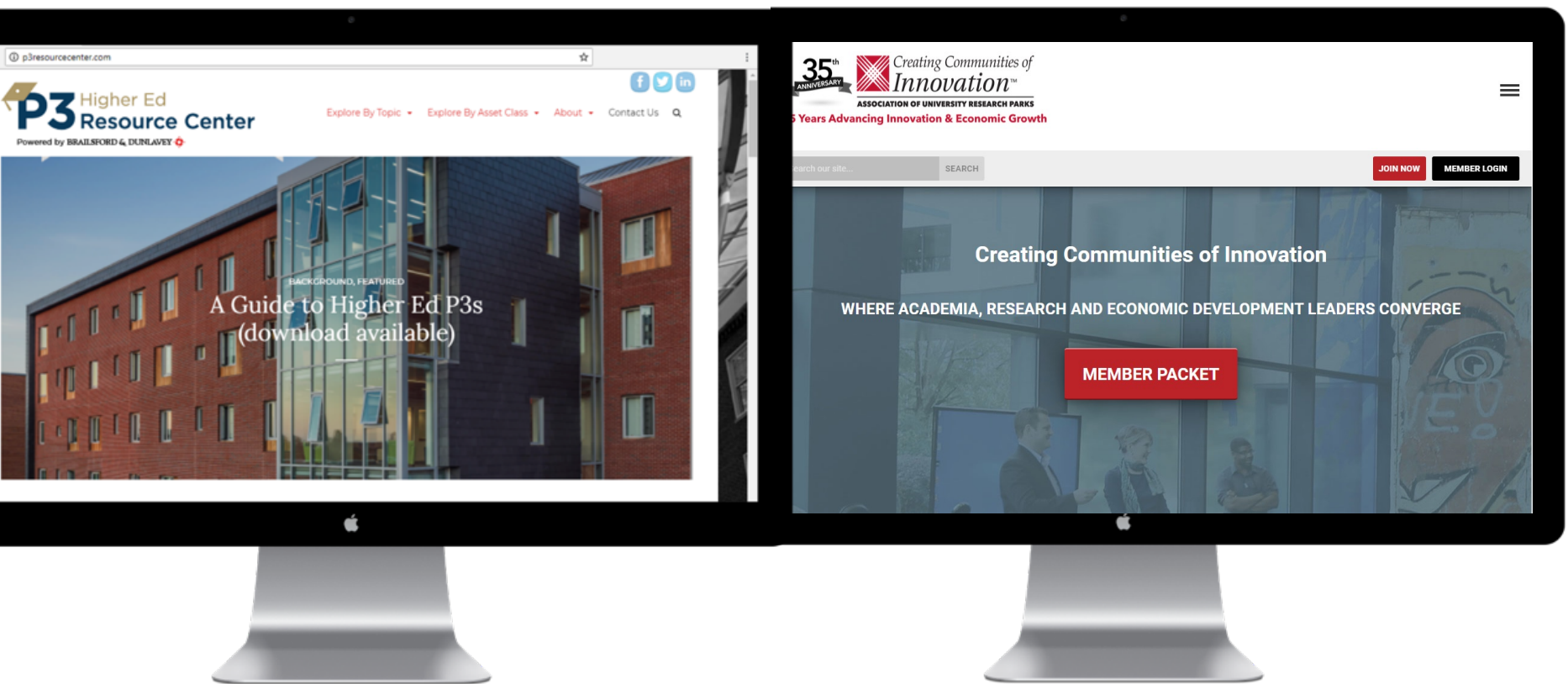


# UC Davis - Sacramento Partnershi



- Aggie Square Phase 1 private investment = **\$1.1 billion**
- Workforce development = **16K ongoing jobs; talent retention**
- Regional economic development = **\$3 billion economic impact annually**
- Affordable housing funding = **\$50 million**
- Enhanced Infrastructure Financing District (EIFD)/TIF = **\$30 million**

# Additional Resources



P3ResourceCenter.com

aurp.net



# Thank you.

VISIT **BDCONNECT.COM**  
FOR MORE INFORMATION.

