



**A Ten-University Collaborative Supporting
Ohio's Knowledge Economy**

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Ohio Innovation Exchange | Oh: X

https://www.OhioInnovationExchange.org

Contact Us



Innovation Exchange

An Initiative of the Ohio Department of Higher Education

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The **Ohio Innovation Exchange** (OIEx) brings together industry and university expertise to solve challenges and capitalize on opportunities - from research partnerships and intellectual property (patents) to laboratory and specialized equipment/research services.

Search our powerful, centralized web portal to find resources from Ohio's exceptional colleges and universities.

Find University Experts, Equipment, or Services

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Enter keywords such as "microbiology"

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Innovation ...

History: Edison, Wright Brothers, Armstrong
Innovation districts – Columbus, Cleveland, Cincinnati
Regional networks -
Grants, investments, venture capital

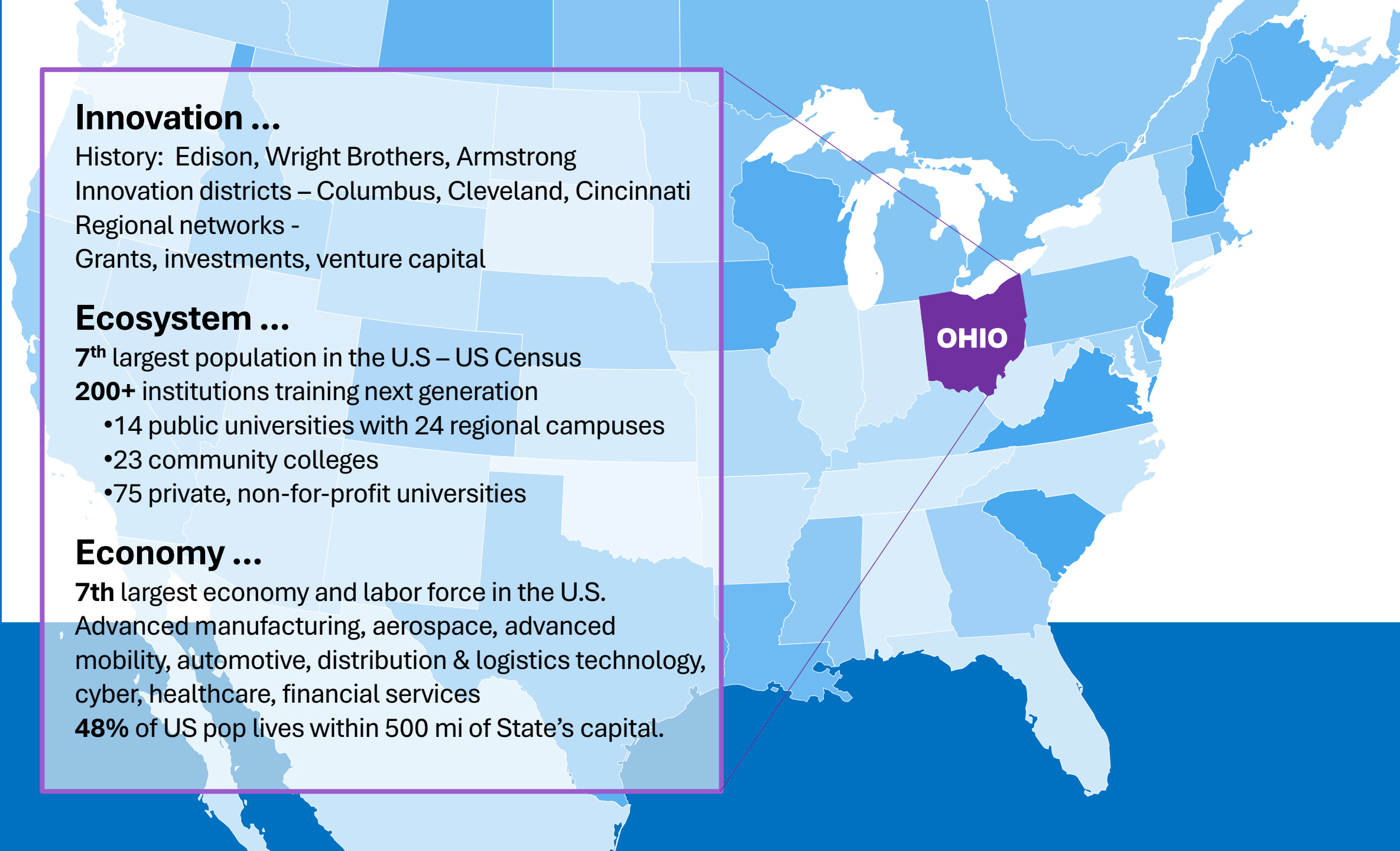
Ecosystem ...

7th largest population in the U.S – US Census
200+ institutions training next generation

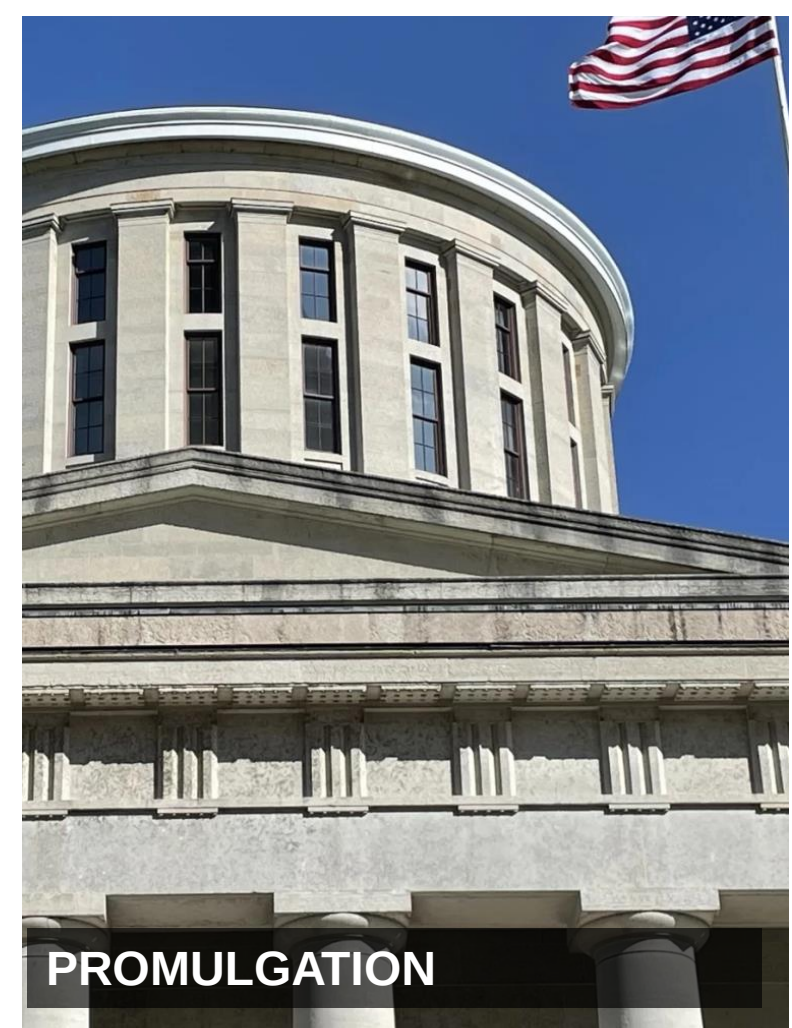
- 14 public universities with 24 regional campuses
- 23 community colleges
- 75 private, non-for-profit universities

Economy ...

7th largest economy and labor force in the U.S.
Advanced manufacturing, aerospace, advanced
mobility, automotive, distribution & logistics technology,
cyber, healthcare, financial services
48% of US pop lives within 500 mi of State's capital.



OHIO



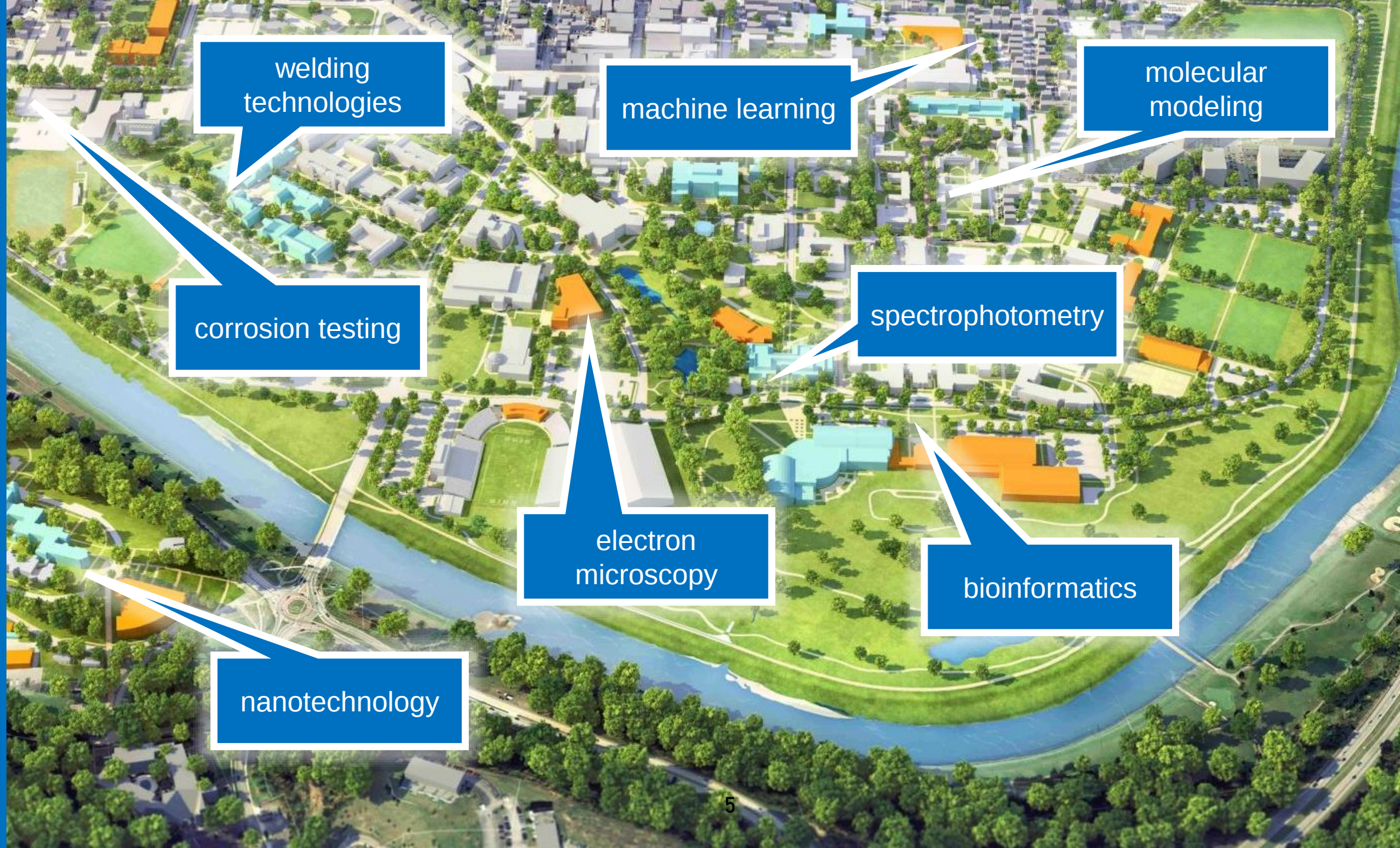
Knowledge Economy

Historical barriers

Innovation ➡ application ➡ public good

Cross-sector collaboration

Richness of our Ecosystem



welding
technologies

machine learning

molecular
modeling

corrosion testing

spectrophotometry

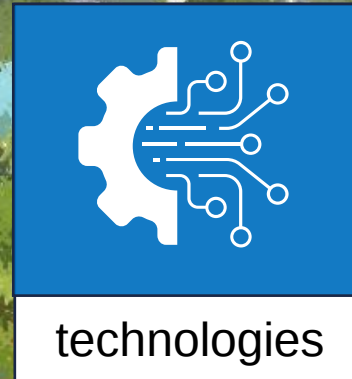
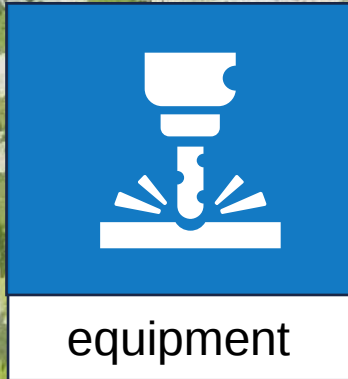
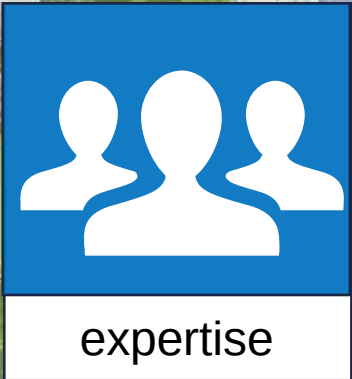
electron
microscopy

bioinformatics

nanotechnology

“ Cannot easily find...”





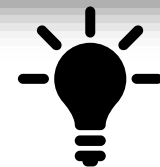
“ I am looking for an experienced expert who is interested and able to assist my company in exploring a design idea ... product innovation ... production line anomaly ... ”



Multi-University Model?



	INSTITUTION	FACULTY	PUBLICATIONS	GRANTS	PATENTS	FEATURED PAT.	EQUIPMENT
1	Case Western Reserve	4,249	138,994	4,460	10,534	350	63
2	Cleveland State University	277	6,595	238	1,170	28	-
3	Kent State University	17	onboarding		909	-	-
4	Northeast Univ College of Med	51	577	26	172	-	-
5	Ohio State University	2,846	217,754	5,900	9,394	262	1,598
6	Ohio Supercomputer Center	14	203	17	-	-	3
7	Ohio University	546	17,232	588	1,521	119	91
8	University of Akron	92	7,106	346	3,184	62	302
9	University of Cincinnati	2,723	134,871	2,190	2,992	96	288
10	University of Dayton	376	170	3	735	-	-
11	Youngstown State University	121	onboarding		16	-	-
12	Wright State University	pending					
RECORD COUNT TOTALS		11,312	523,502	13,768	30,627	917	2,345





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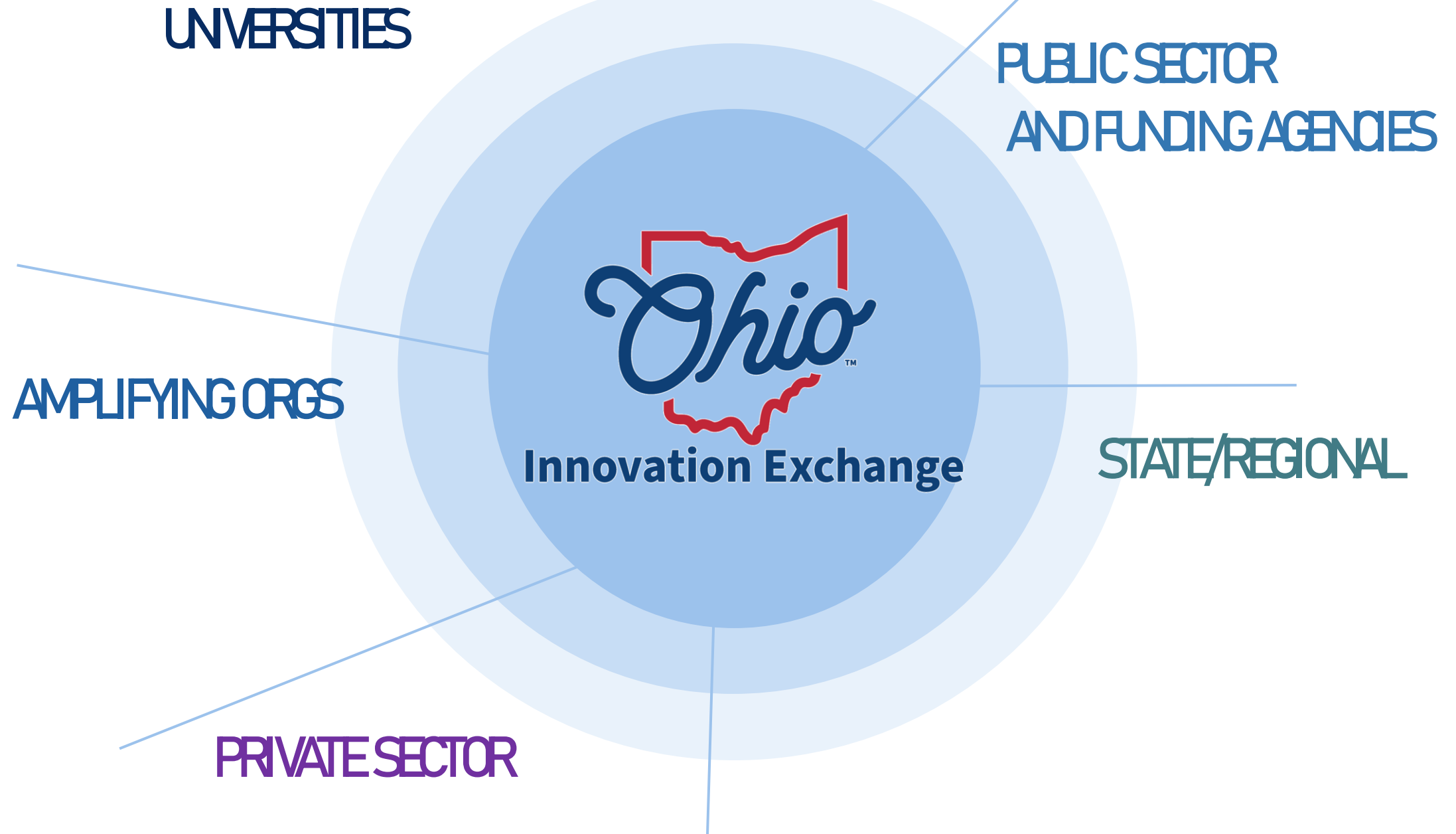
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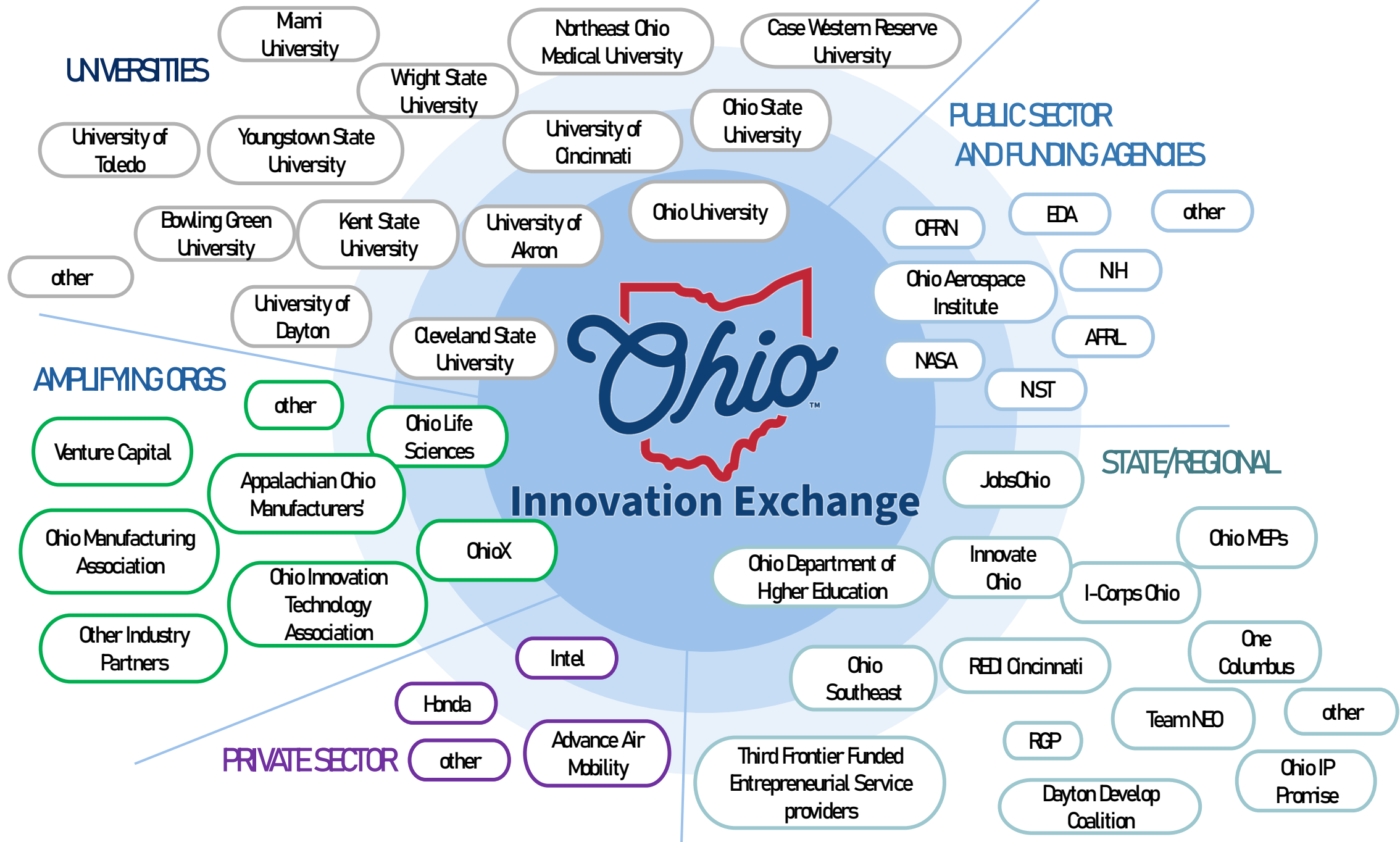
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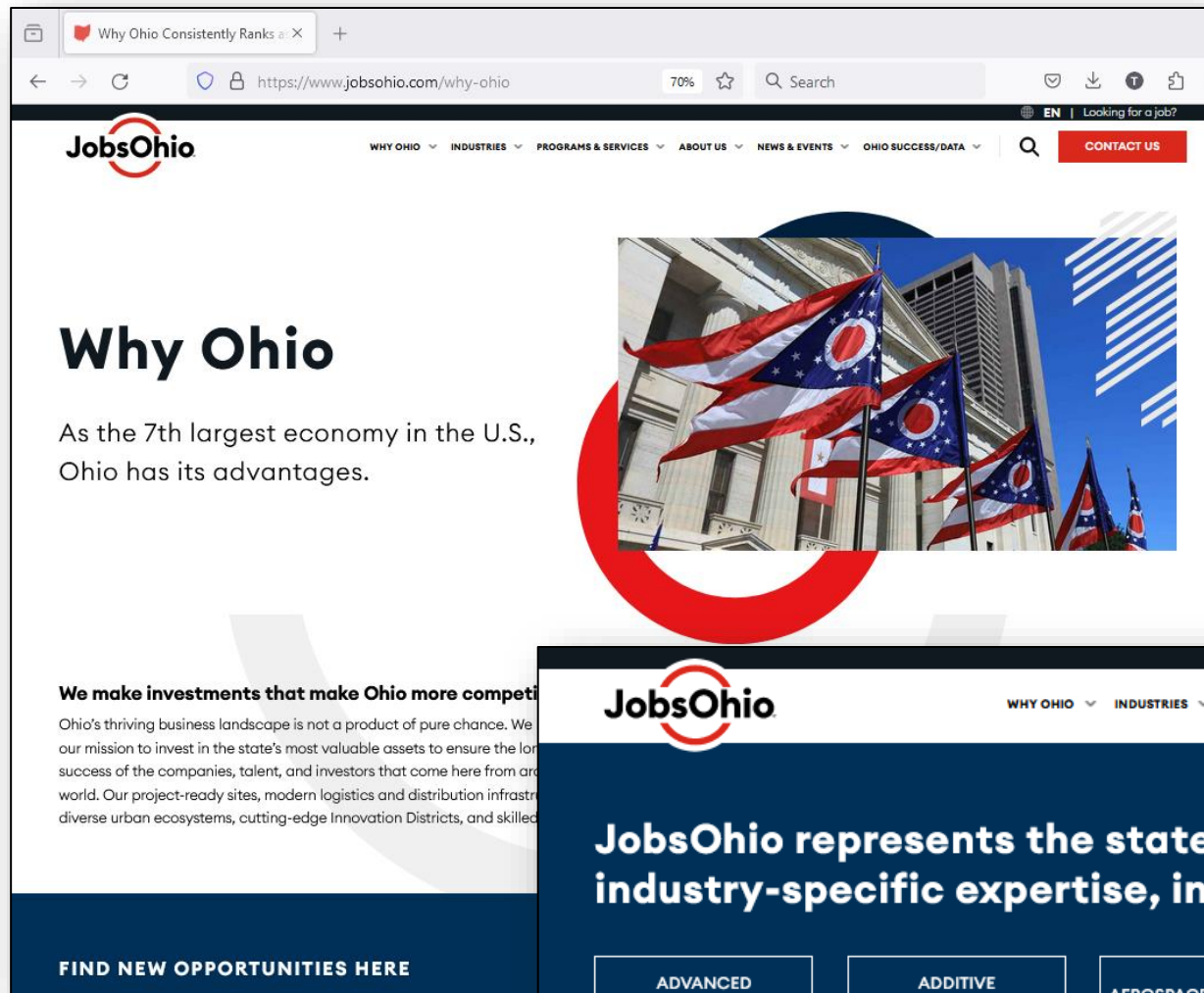
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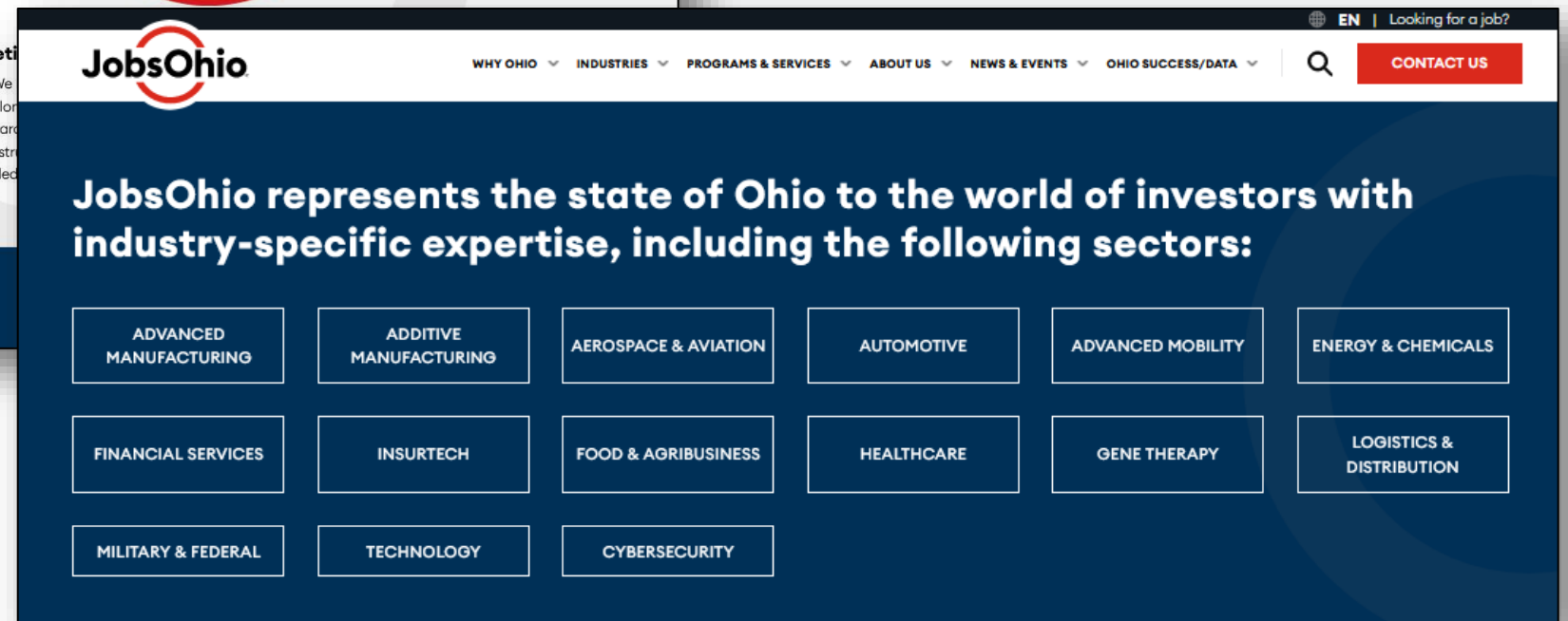




- Improving visibility to university research experts and resources for
 - Industry
 - Government Agencies and NGOs
 - Economic Development Offices
 - Trade Associations
- Advancing Ohio's innovation and commercialization
- Fostering collaborations; talent and workforce development, matchmaking services, entrepreneurs to established start-ups, etc.



Empowering world-class corporations, entrepreneurs, and talented individuals to build their businesses and careers in Ohio. Our advocacy and investments in partnership with the State enable sustainable economic growth and a better quality of life for all Ohioans through the power and dignity of work.



Joby Aviation Selects Dayton, Ohio - Birthplace of Aviation- for First Scaled Manufacturing Facility

Santa Cruz, CA, and Dayton, OH, Sep 18, 2023 — Joby Aviation, Inc. (NYSE:JOBY), a company developing electric vertical take-off and landing (eVTOL) aircraft for commercial passenger service ... anticipating 500 new aircraft per year when fully developed

2023

Production Launch

We launched production at our Pilot Production Plant in Marina, CA, with the first testing.

\$ 500M investment
15,000 New Ohio jobs
\$ 325M state/local incentives
\$13B Projected Ohio economic impact by 2045

Advanced Air Mobility

CENTERS OF EXCELLENCE

Civil
Spaceflight

NASA Armstrong Test Facility

NASA Glenn Research Center

Spaceflight
Starlab

Transportation Research Ctr

OSU Airport

Ohio State University

National
security
Spaceflight

UAS Flight Test Area

US Air Force Wright-Patterson AFB





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