Ohio Innovation Exchange

An Initiative of the Ohio Department of Higher Education

A Ten-University Collaborative Supporting Ohio's Knowledge Economy

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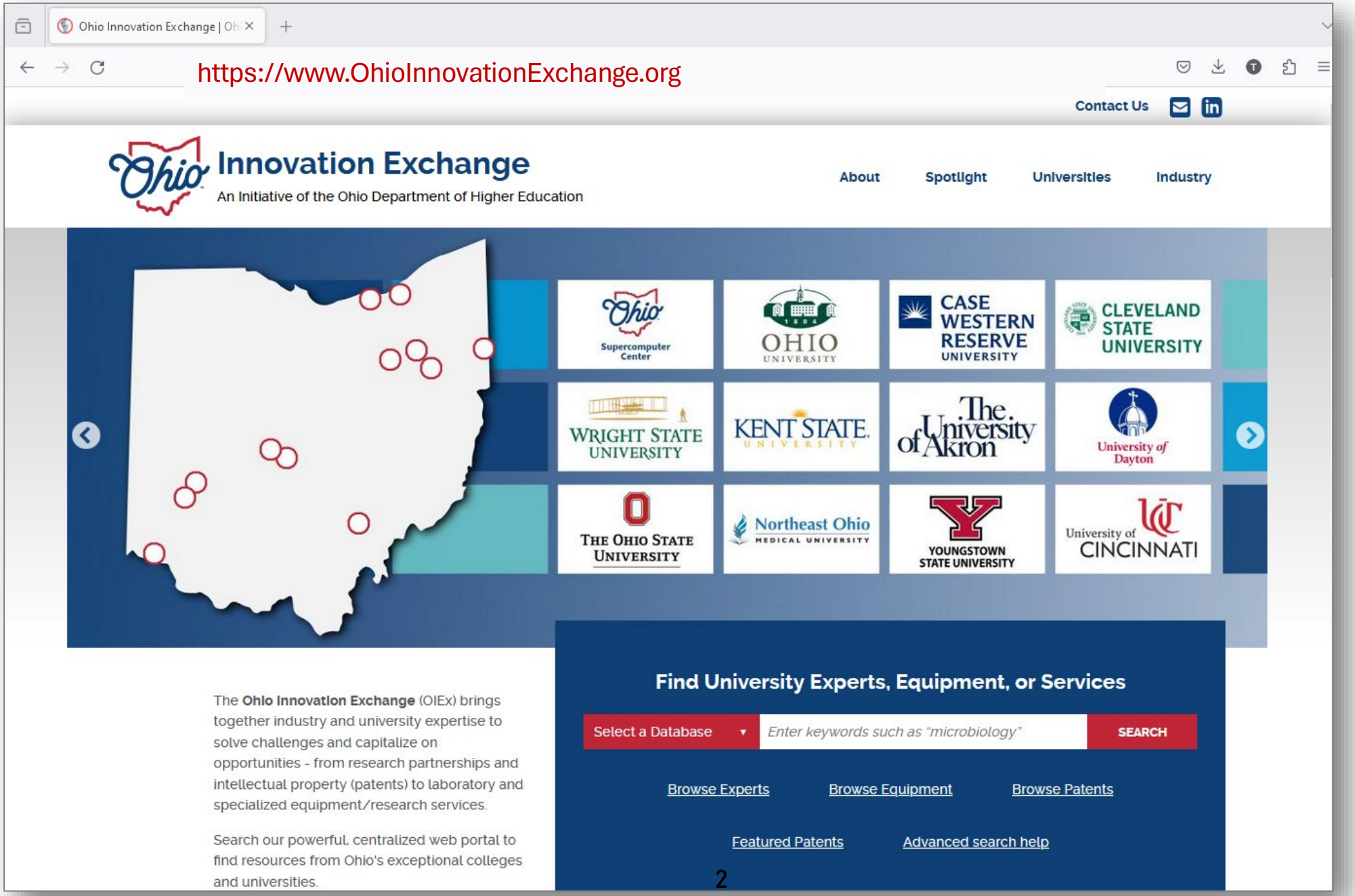
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Contact Us
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About
Spotlight
Universities
Industry
Supercomputer Center
OHIO UNIVERSITY
CASE WESTERN RESERVE UNIVERSITY
CLEVELAND STATE UNIVERSITY
WRIGHT STATE UNIVERSITY
KENT STATE UNIVERSITY
The University of Akron
University of Dayton
THE OHIO STATE UNIVERSITY
Northeast Ohio MEDICAL UNIVERSITY
YOUNGSTOWN STATE UNIVERSITY
University of CINCINNATI
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
Select a Database
Enter keywords such as "microbiology"
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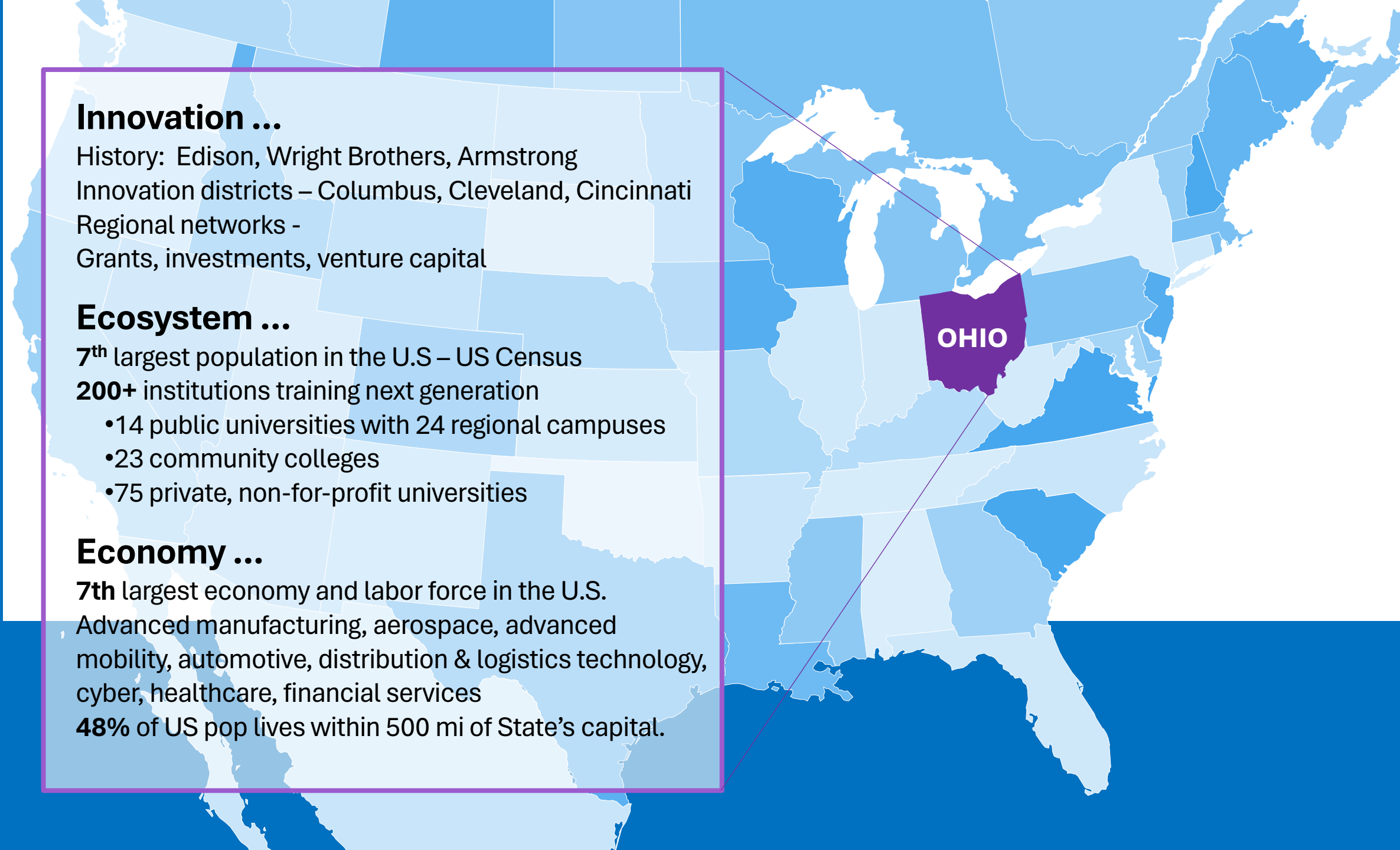
Browse Equipment
Browse Patents
Featured Patents
Advanced search help

The Heart of it All



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.

Knowledge Economy

Historical barriers

Innovation ➡ application ➡ public good

Cross-sector collaboration

Richness of our Ecosystem

“ Cannot easily find… “

expertise

equipment

technologies

innovations

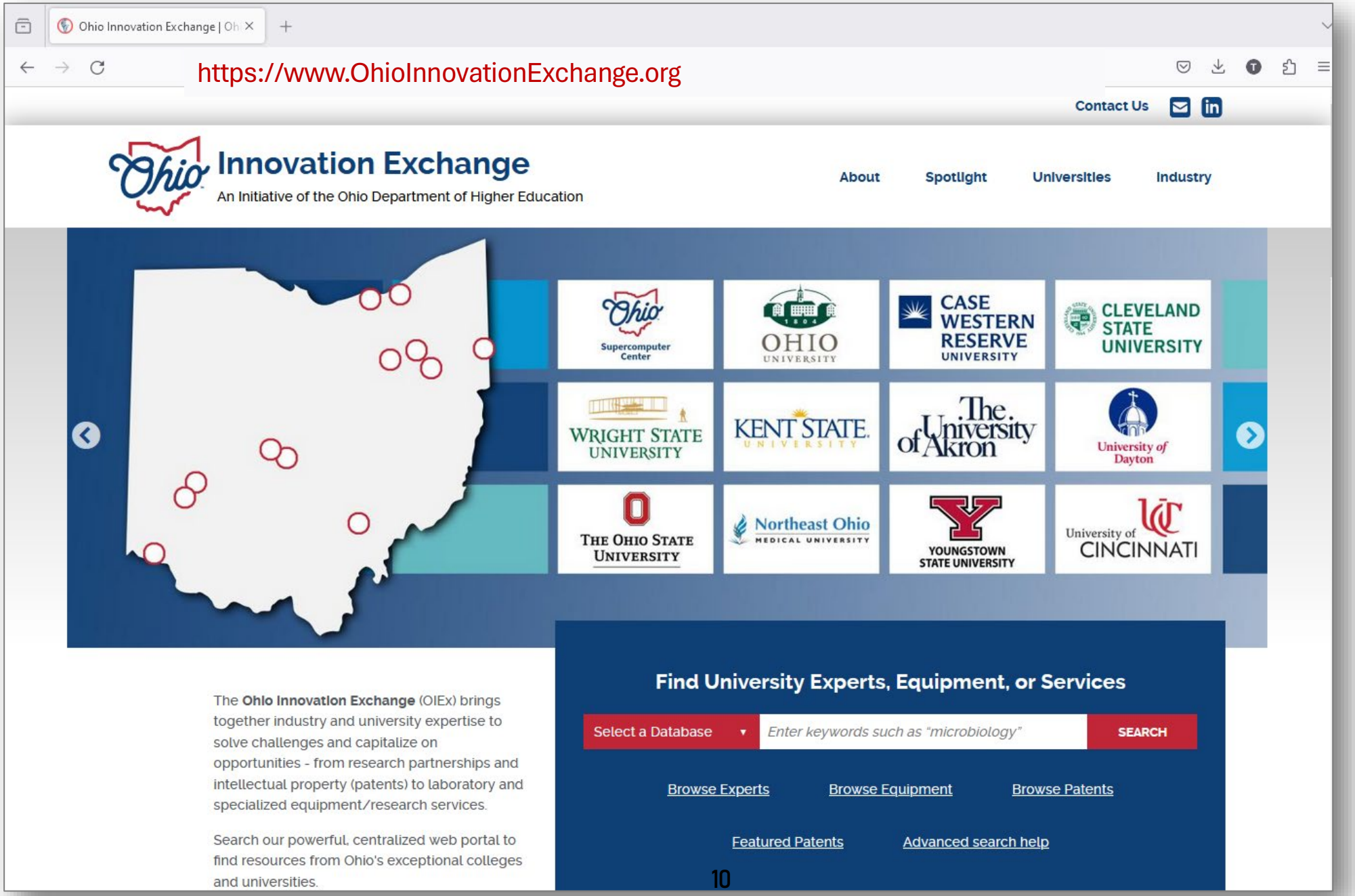
“ I am looking for an experienced expert who is interested and able to assist my company in exploring a design idea … product innovation … production line anomaly ...”

Multi-University Model?

Data First

	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**

March 2024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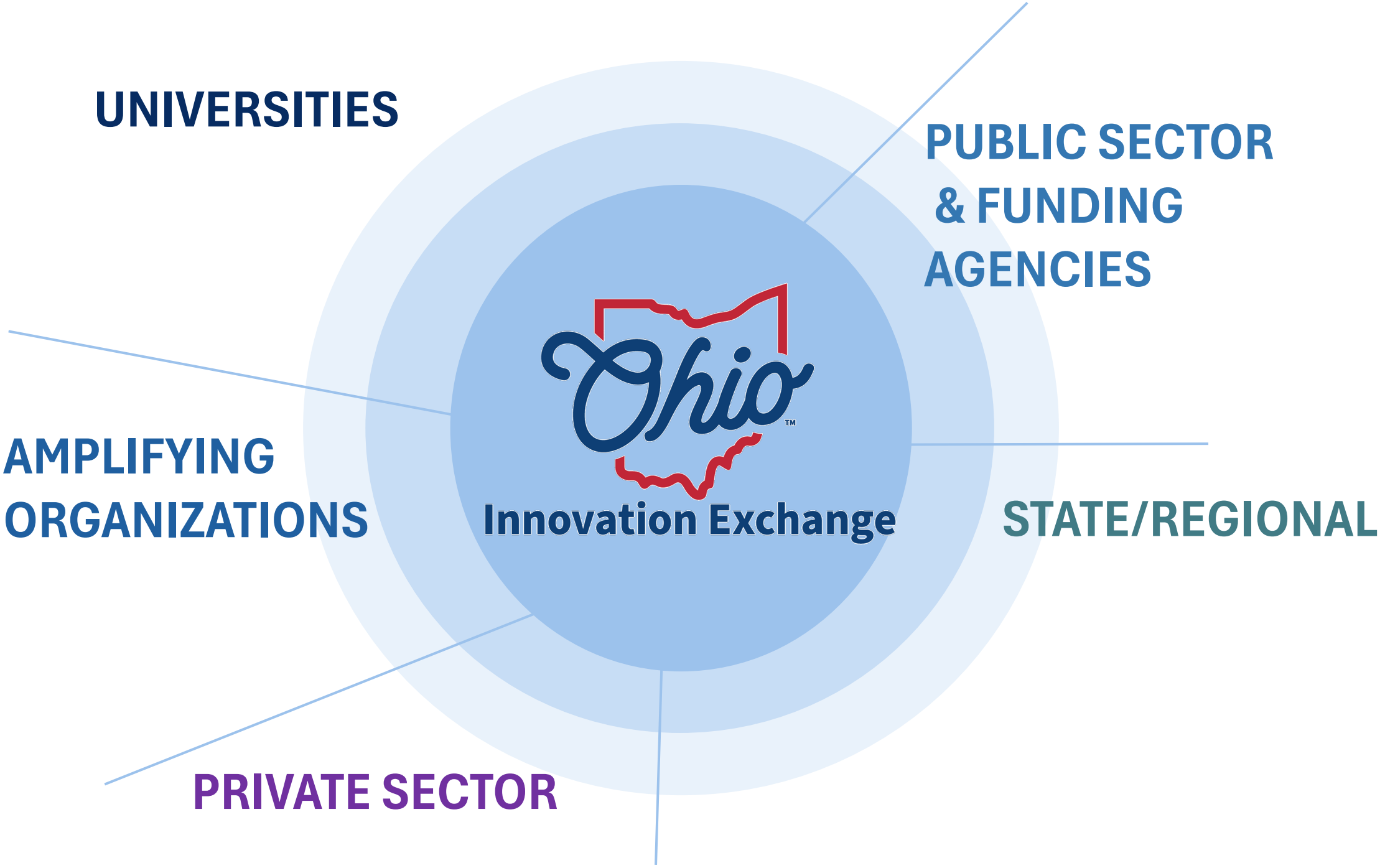
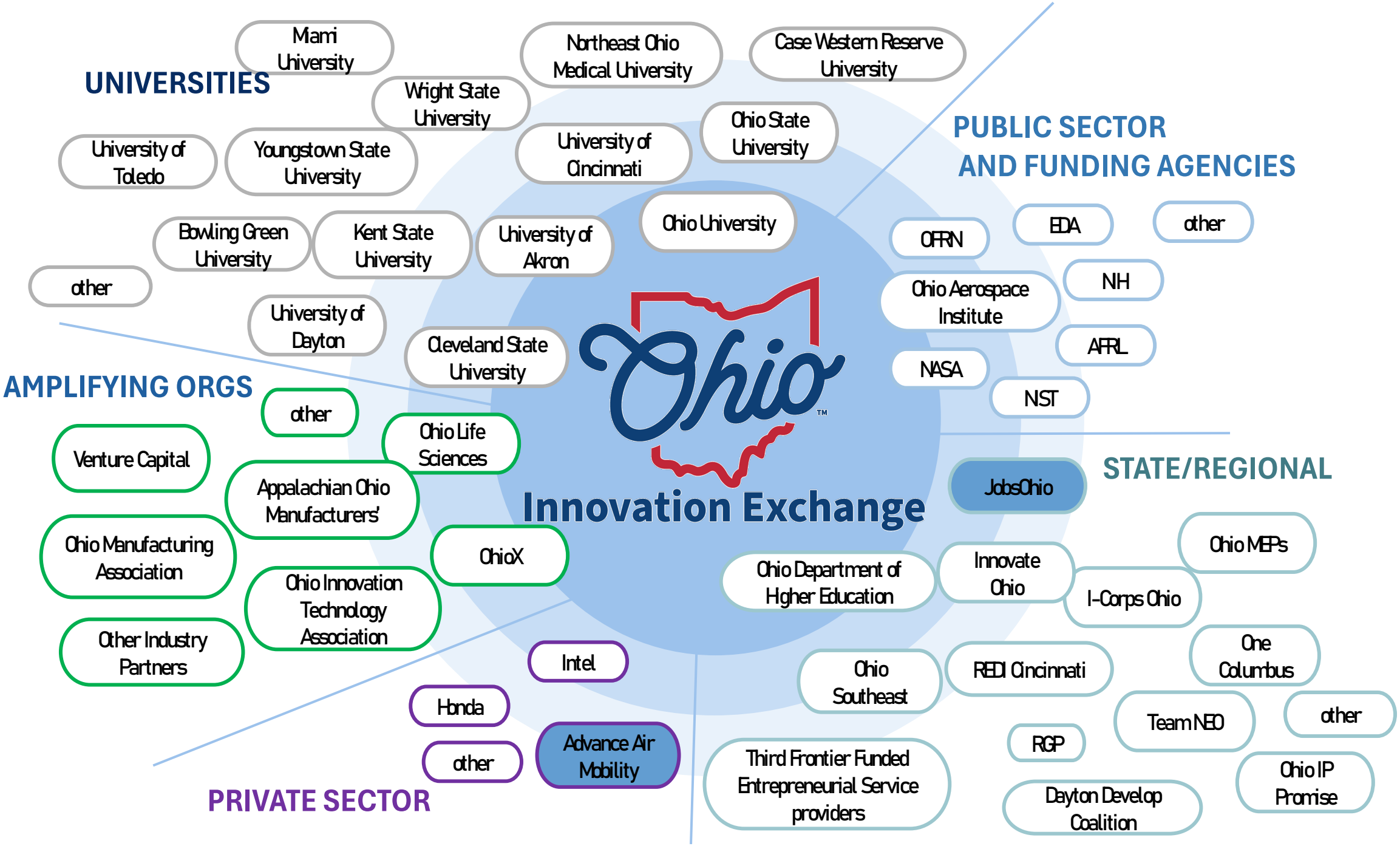
Aspirational

- 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.

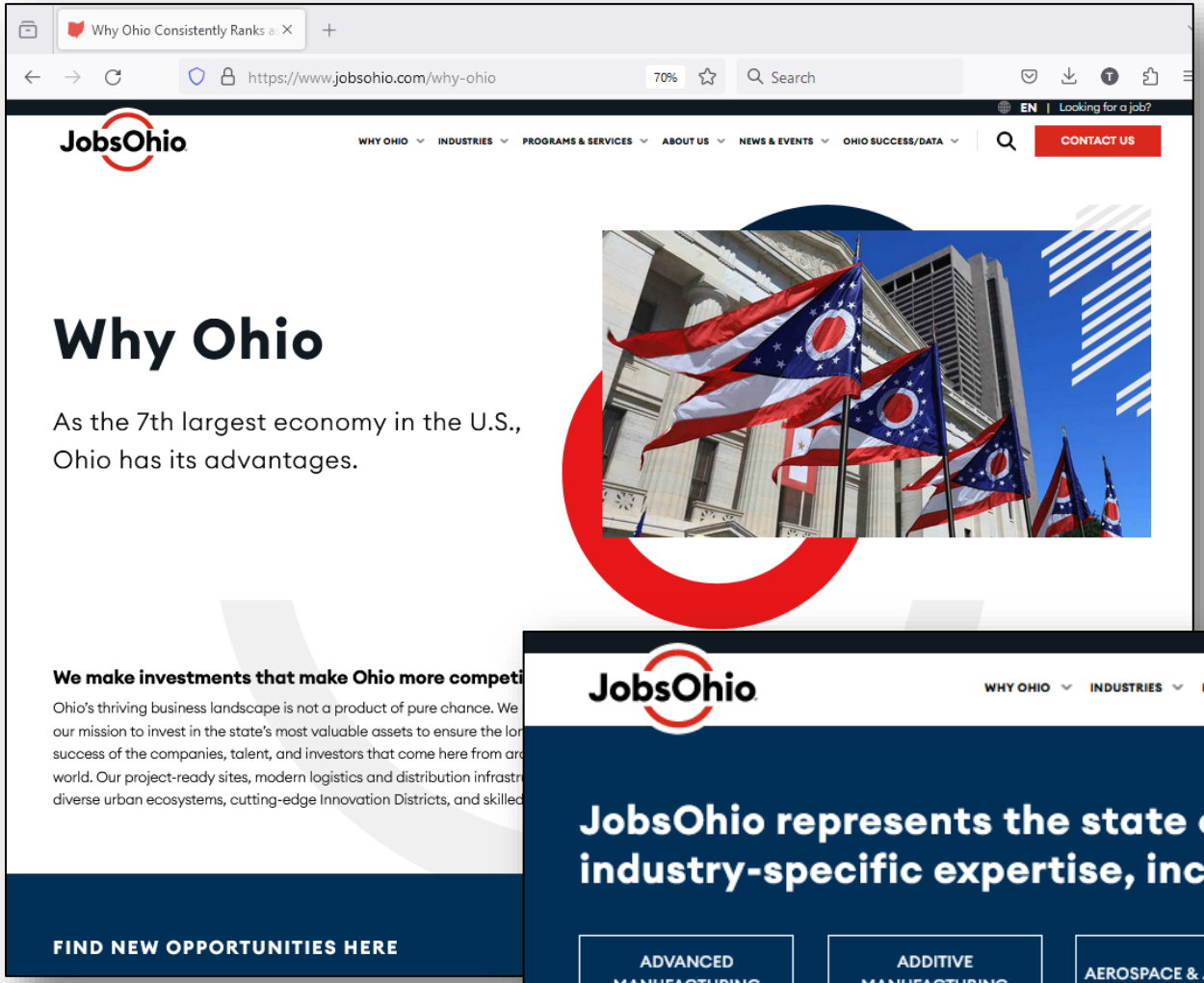
Positioning OIEx within the ecosystem

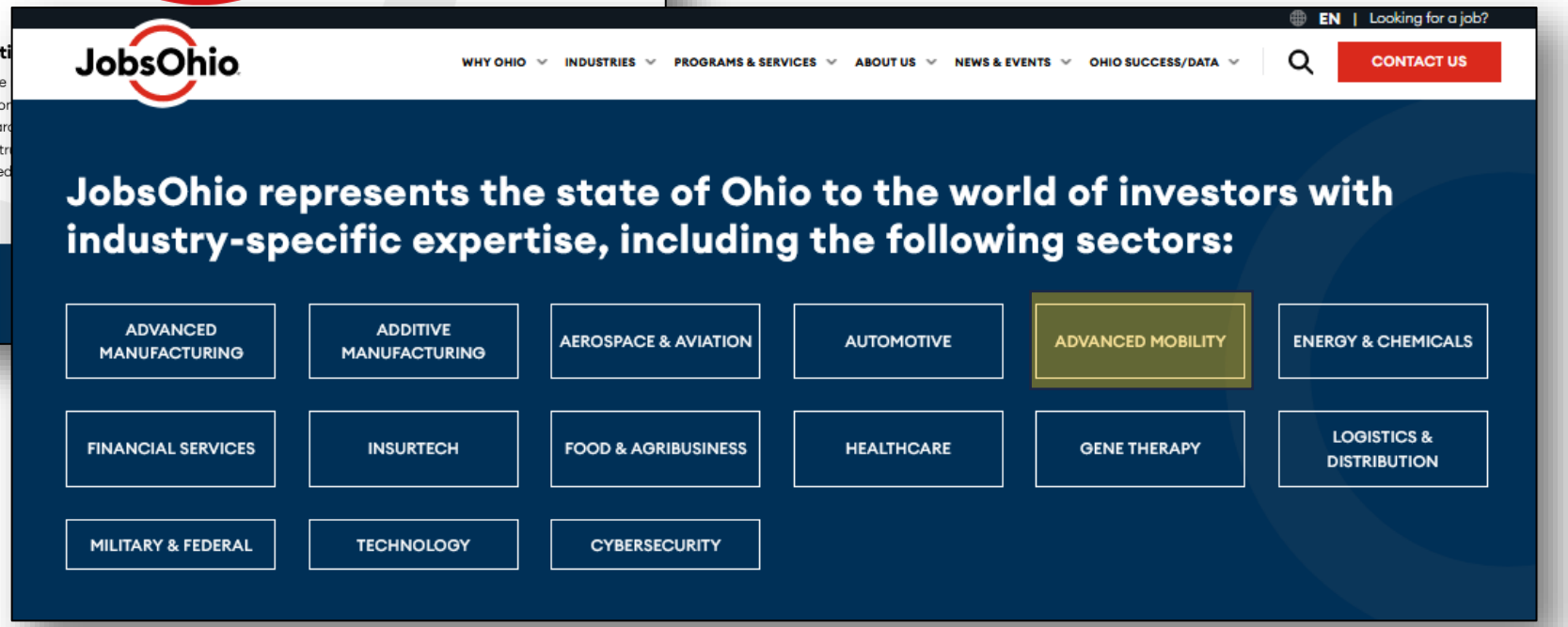


Positioning OIEx



Aligning to broader strategies





JobsOhio®

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.

Advanced Air Mobility

CENTERS OF EXCELLENCE

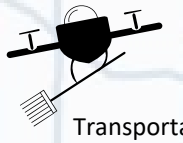
Civil Spaceflight

Spaceflight Starlab

National Security Spaceflight

NASA Armstrong Test Facility

NASA Glenn Research Center



Transportation Research Ctr

OSU Airport

Ohio State University

UAS Flight Test Area

US Air Force Wright-Patterson AFB

ADVANCED AIR MOBILITY

OIEx

» Helping to identify academic SMEs across institutions

» Facilitating academic/industry terminology crosswalk to improve discovery

Advanced Air Mobility

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

$ 500M investment

15,000 New Ohio jobs

$ 325M state/local incentives

$13B Projected Ohio economic impact by 2045