

Connecting the Dots through Career Learning, Active Engagement, and Building a Thriving Research Enterprise...

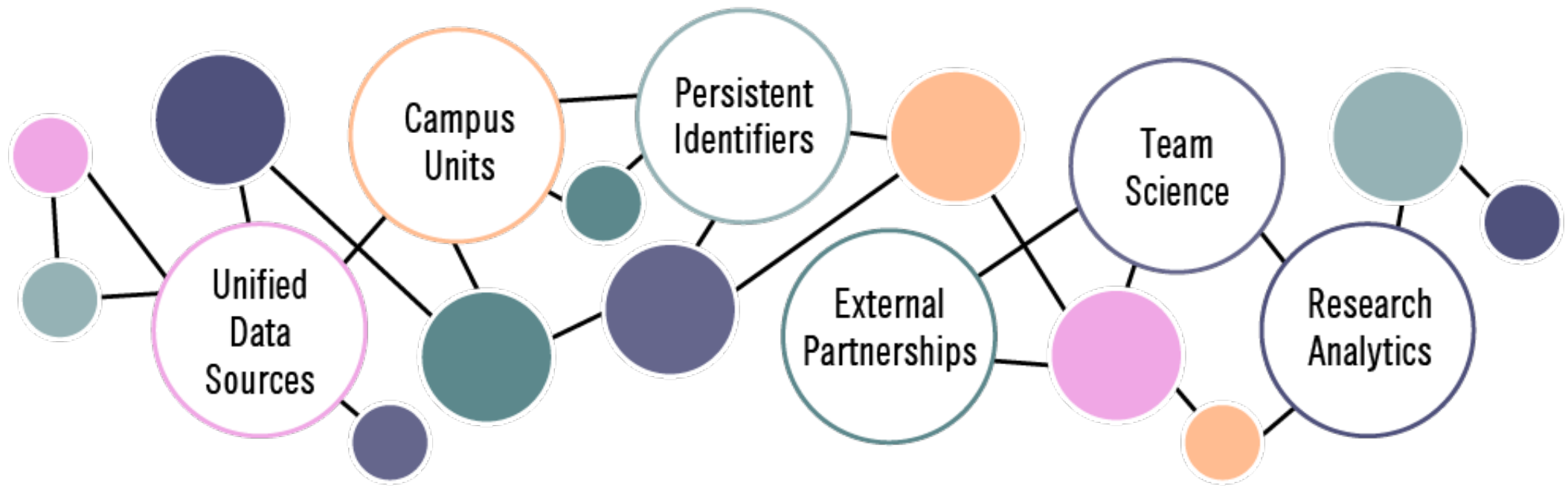
A Journey Anyone Can Take!

Keynote Speaker

Baron G Wolf, Ph.D.

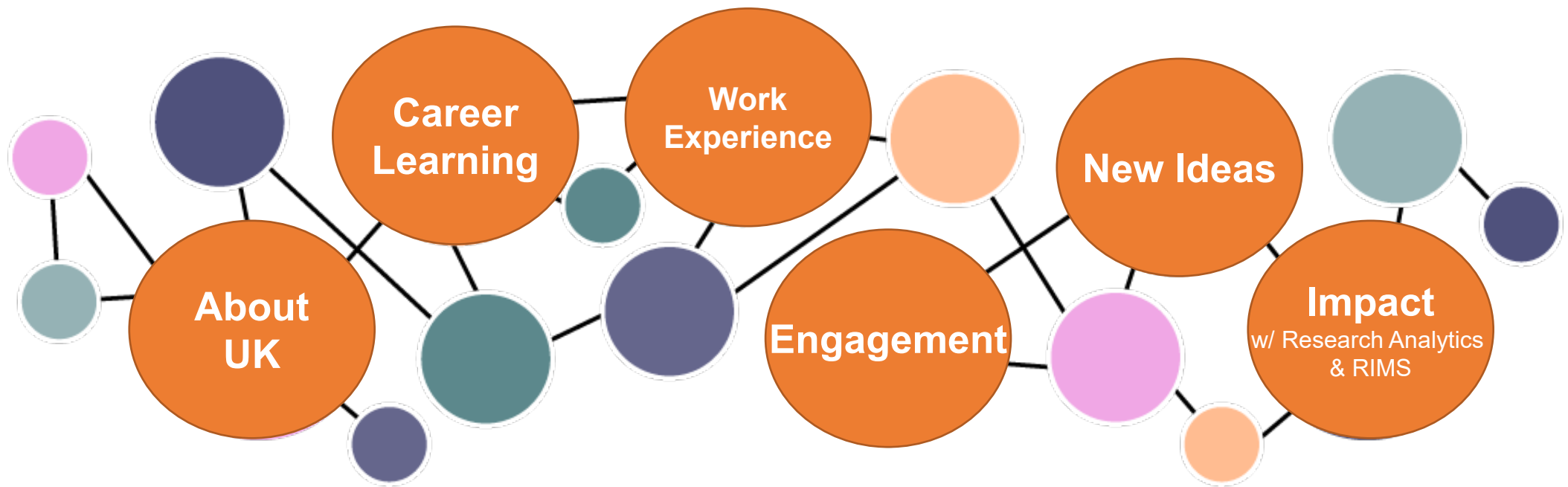
Assistant Vice President for Research & Chief of Staff
Director of Research Analytics
University of Kentucky

Connecting the Dots



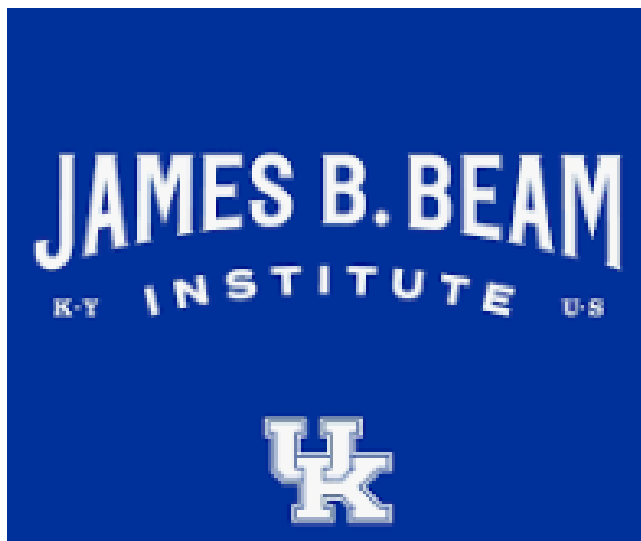
<https://expertfindersystems.org/index.cfm>

Connecting the Dots



University of Kentucky





University of Kentucky (UK)

- Public, Land Grant Research Intensive (R1) Institution
- More than 32,000 students
- 17 Colleges on a single campus!

The University *for* Kentucky



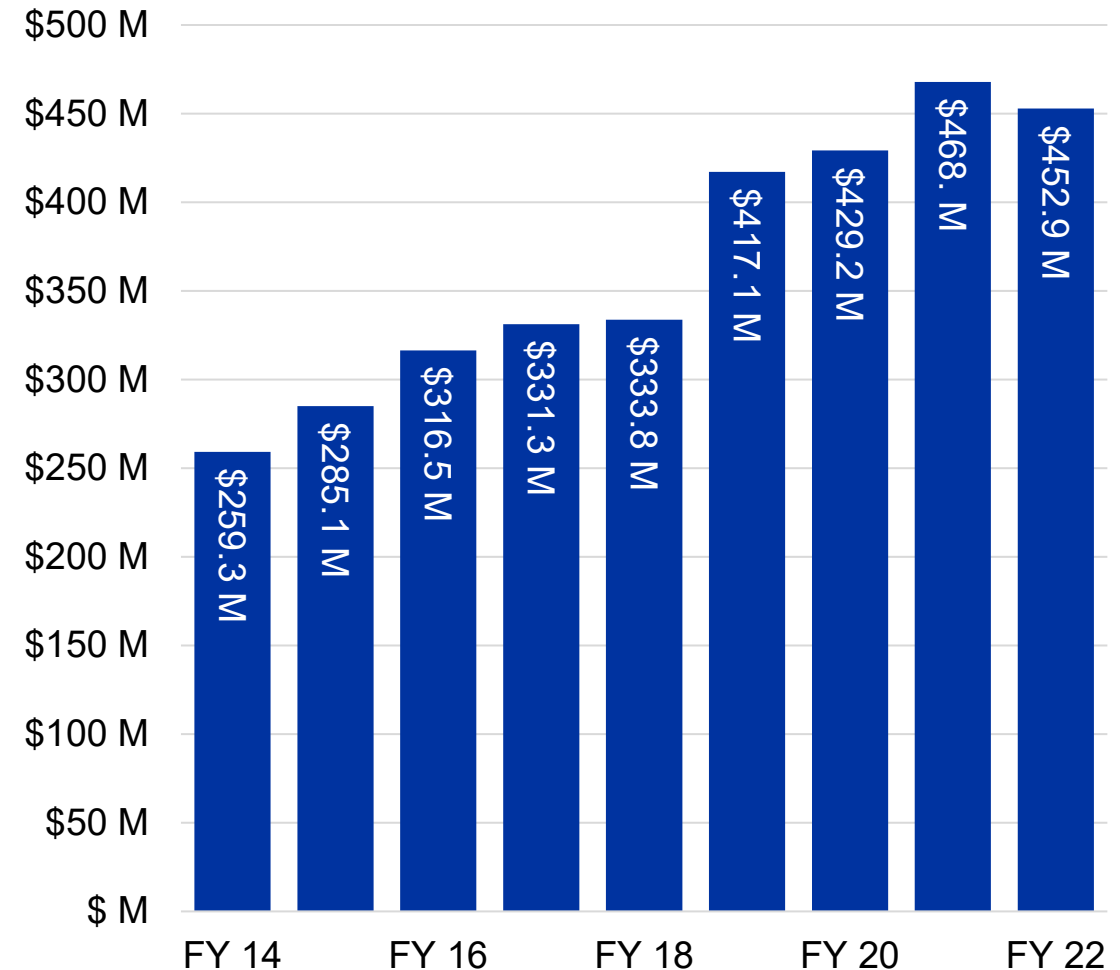
Healthy Kentucky Research Building

<https://www.research.uky.edu/healthy-kentucky-research-building>

Research at UK

- National Cancer Institute-funded Cancer Center
- National Institute on Aging-funded Alzheimer's Disease Research Center
- NIH Clinical & Translational Science Award
- NIH HEALing Communities Study - \$87 M in Substance Use Disorder research
- Arts, Humanities & Social Behavioral Research

 **7.2%**
Compound
Annual Growth Rate



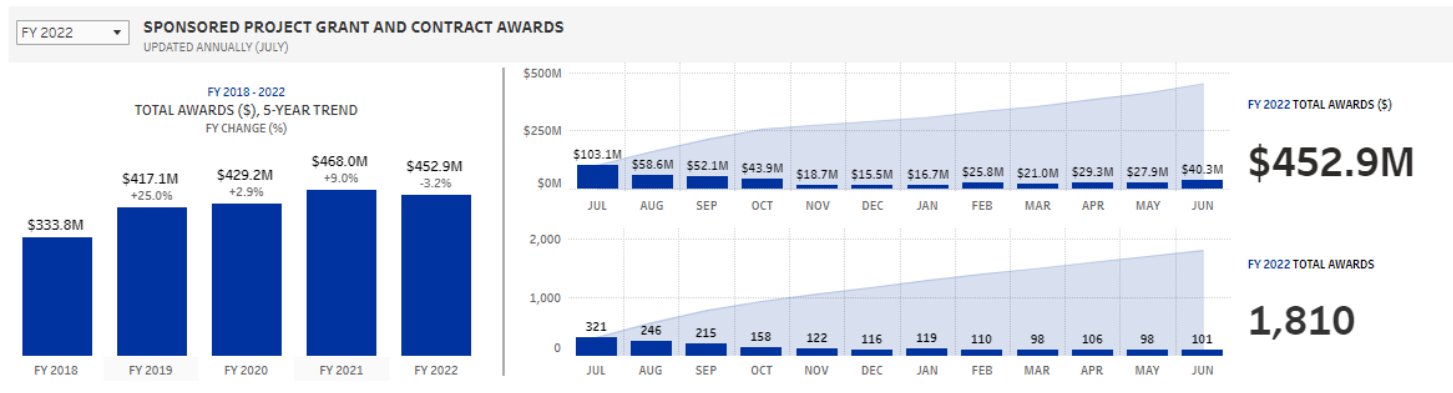
Research Analytics

UNIVERSITY OF KENTUCKY

RESEARCH DATA AT A GLANCE

ACCESS RESEARCH DATA PORTAL

REQUIRES LINK BLUE CREDENTIALS

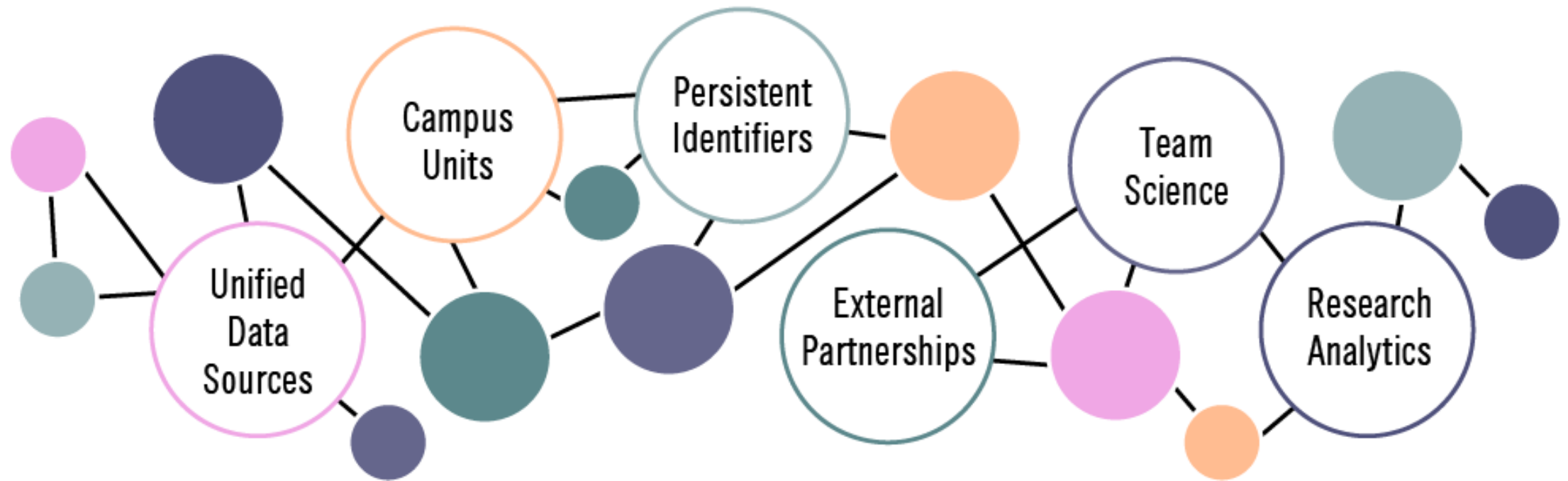


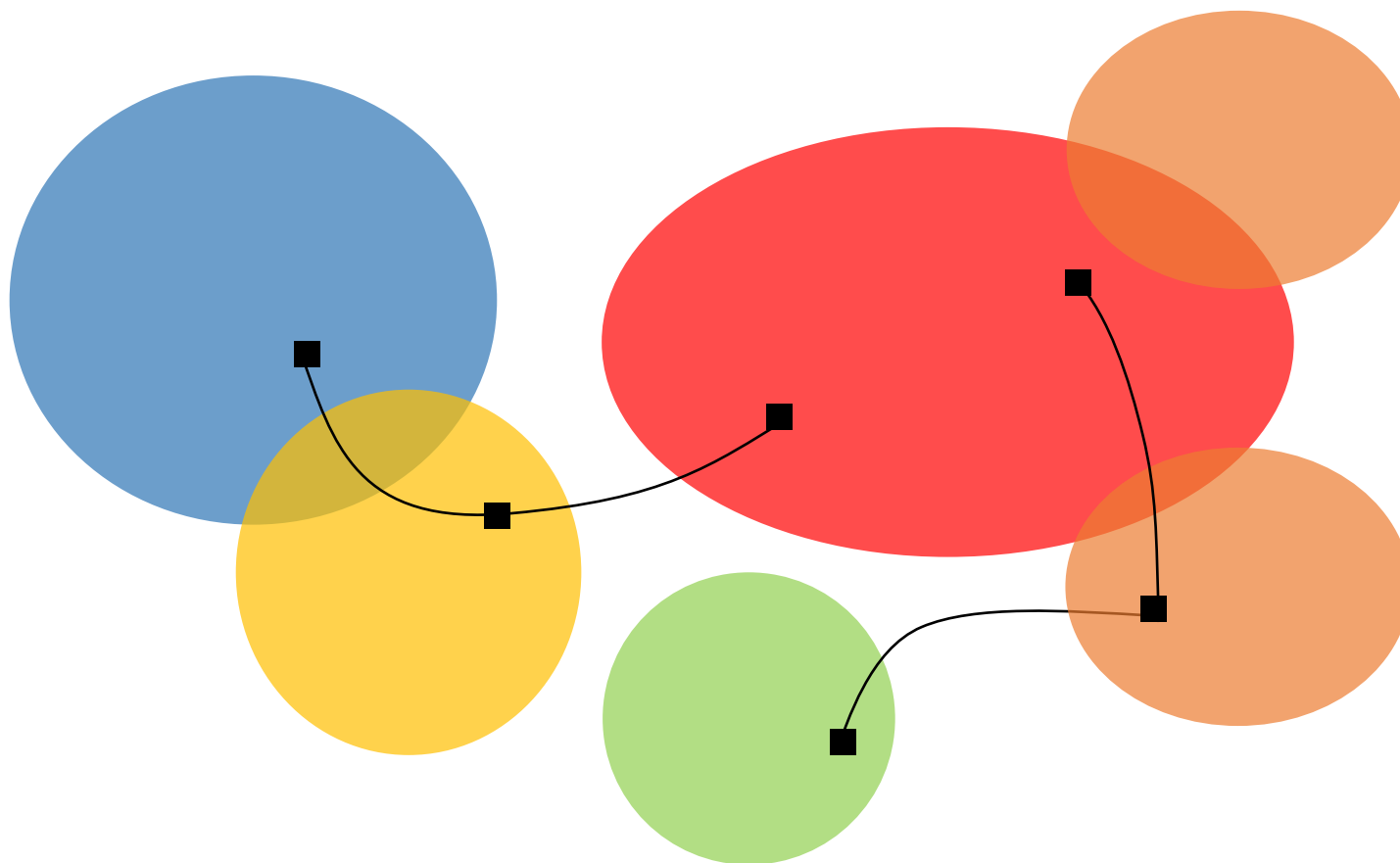
SCHOLARS@UK

Powered by Pure from Elsevier

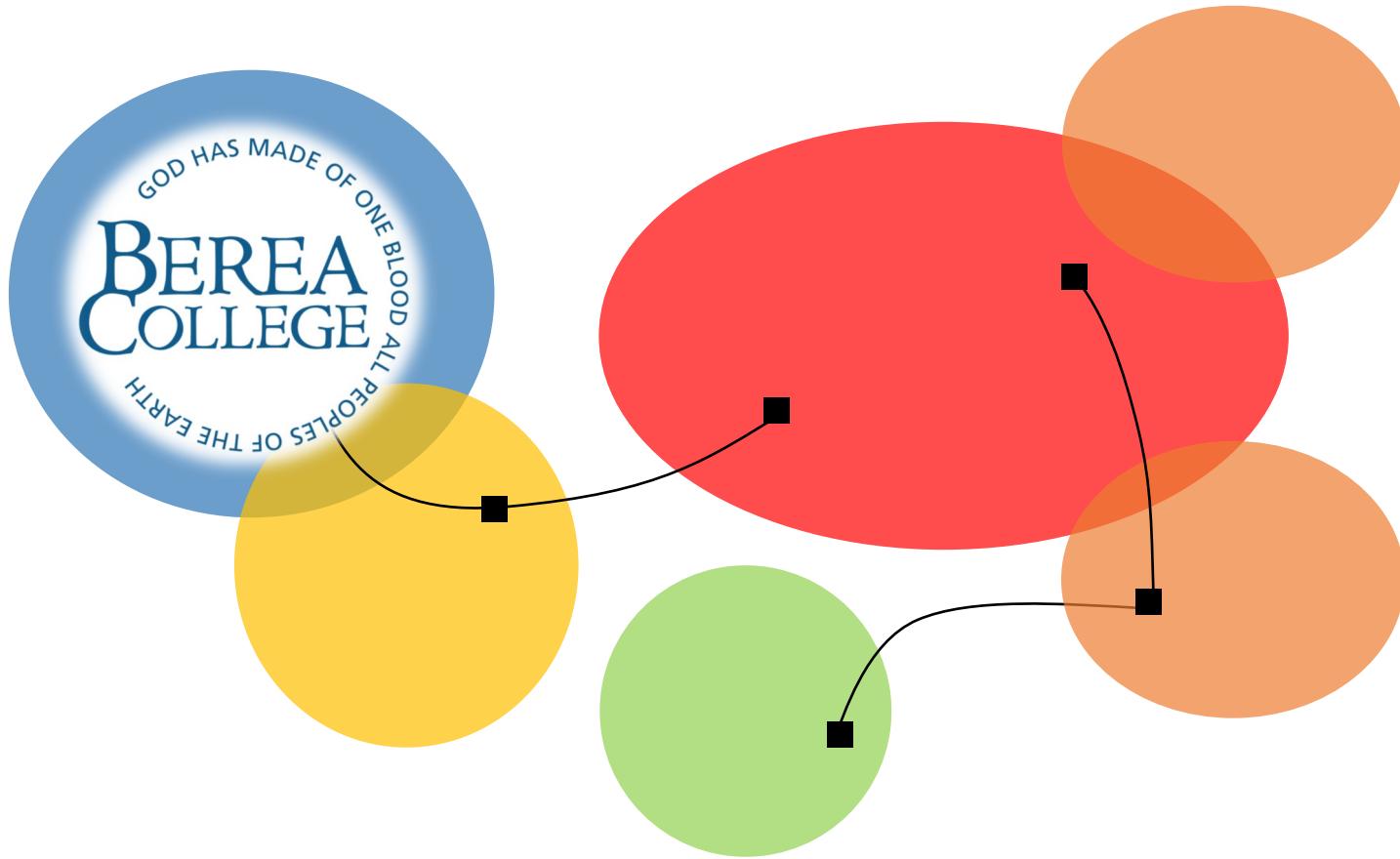
- Office of the Vice President for Research
- Four FTE:
 - Director
 - Decision Support Analyst (2)
 - Strategic Initiatives Project Manager
- Research Information Services
- Partnerships across campus data-stakeholders

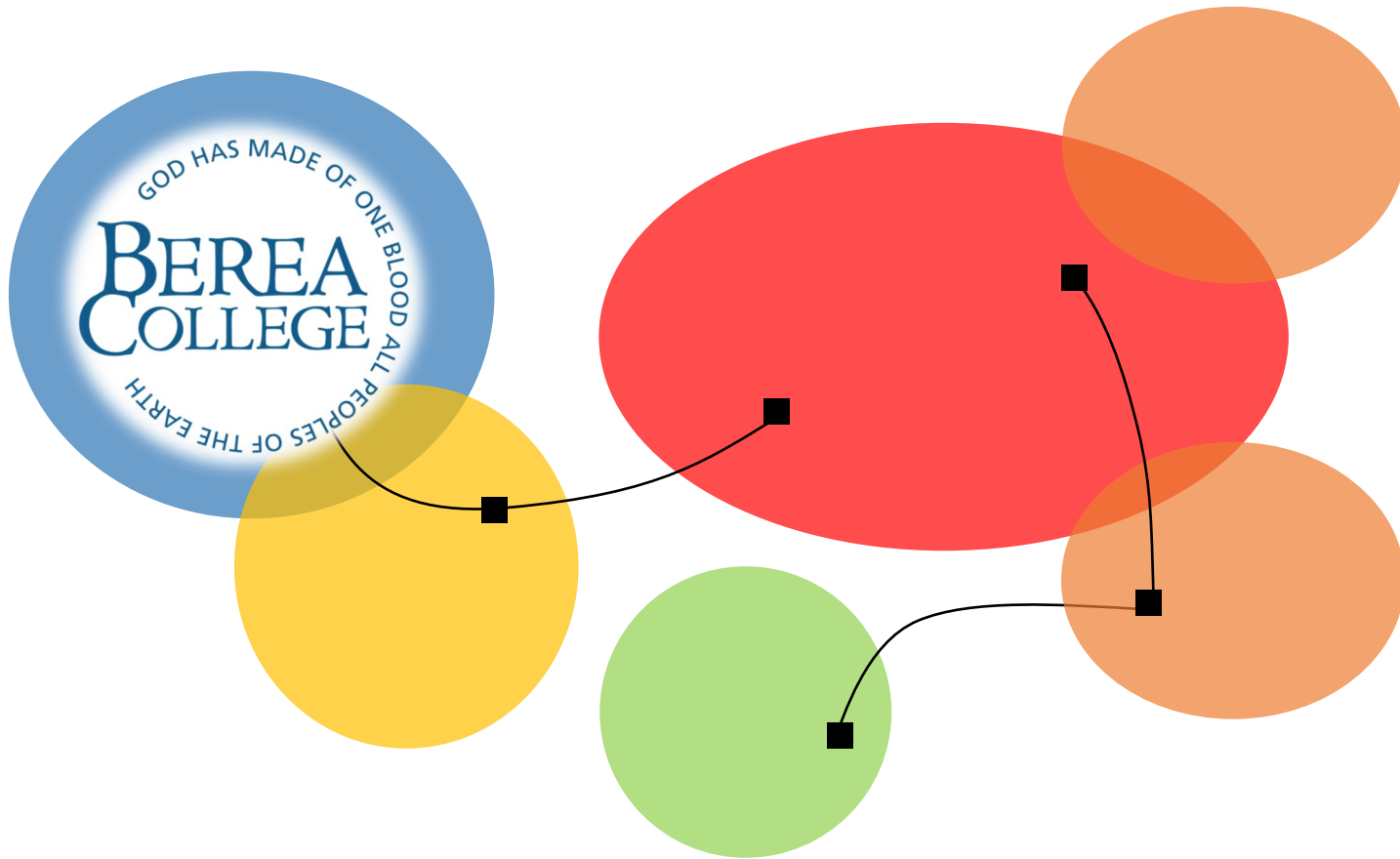






My Journey & Connections





- Founded in 1855 by Abolitionist
- 45-minutes south of Lexington, KY
- Inclusive Mission
- *No Tuition Promise* results in a full \$177,200 scholarship for every student
- Serving Appalachia
- **Work to Learn**



Berea College

Work to Learn



All students work a minimum of 10 hours per week at a campus job

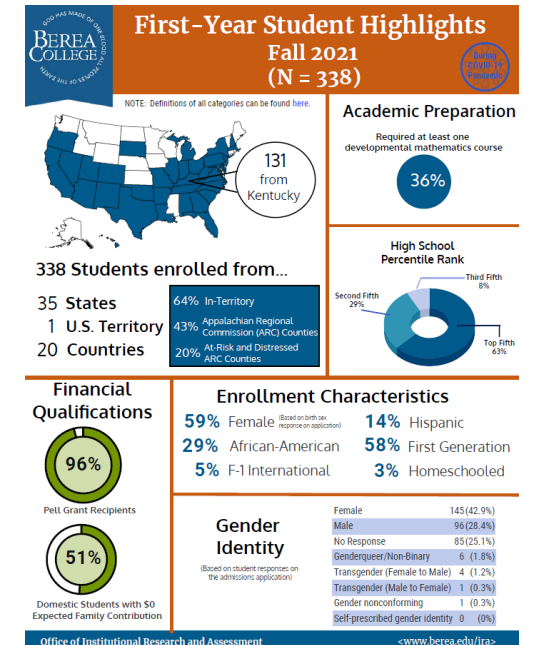
- 1 of 10 federally recognized Work College
- Work supports the operations of the college and provides experience
- Students earn income
- More than 1,500 campus jobs
- Provides practical application and professional mentorship

60% of enrolled students donate a portion of their campus income back to the college to support operations—thus creating leaders who are also philanthropists

Berea College

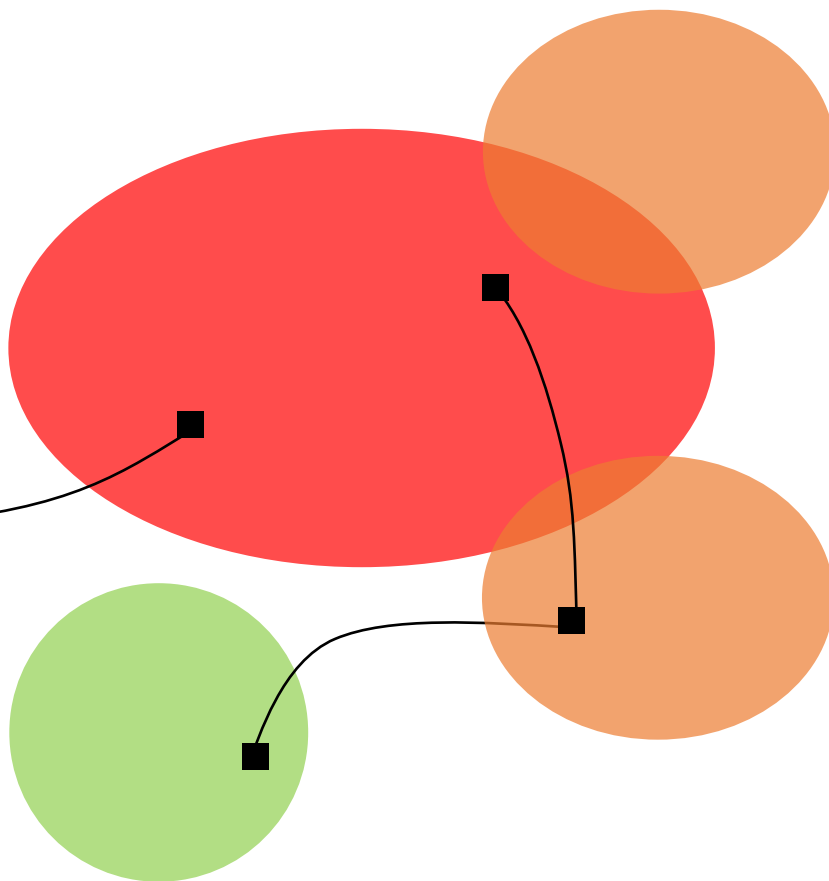
Work to Learn

- Studying Agriculture and Natural Resources
- Labor Position: **Office of Institutional Research & Assessment**
 - Data Analysis
 - Research Projects
 - Student Surveys
 - Course Evaluations
 - Fact Books
 - Statistical Software

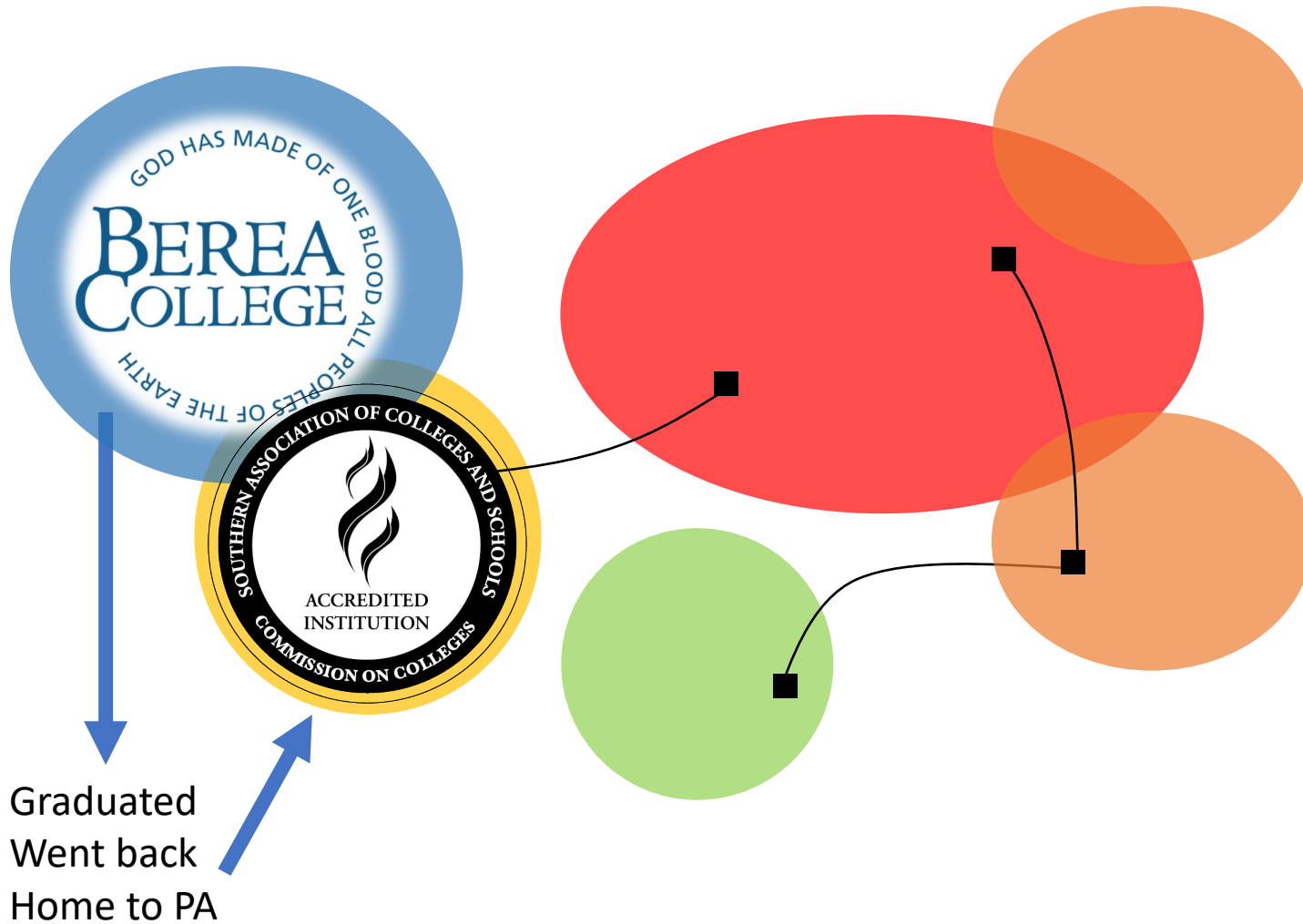




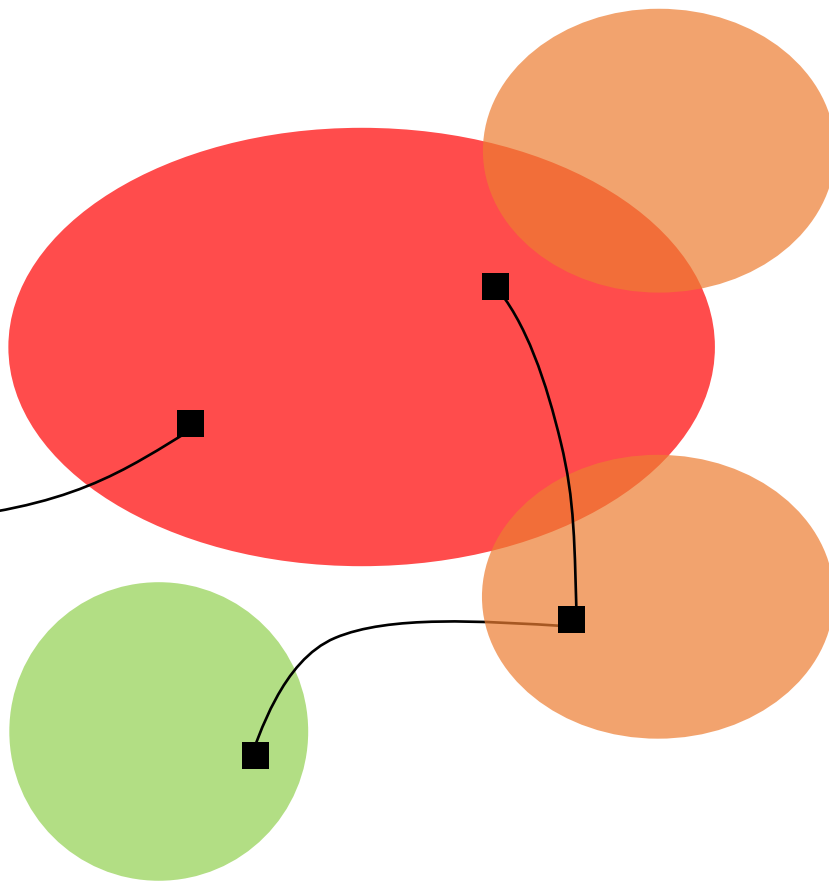
Graduated
Went back
Home to PA



- Graduated and returned home to northwestern Pennsylvania
- Did NOT know what was next—could I afford graduate school or where would I start a career?

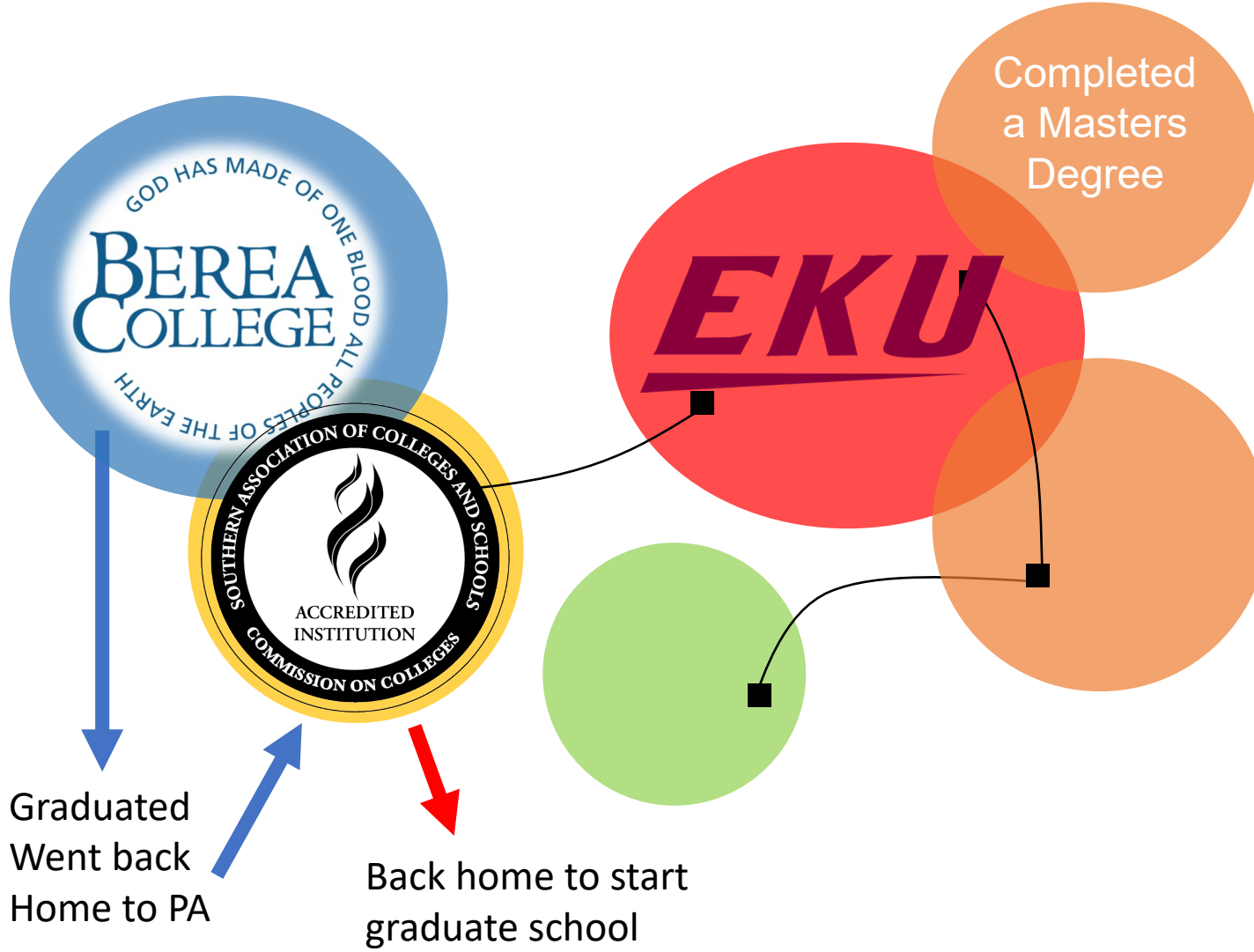


- Graduated and returned home to northwestern Pennsylvania
- Did NOT know what was next—could I afford graduate school or where would I start a career
- 6-months later **Berea College Called!!!**
 - Returned to Berea College as a full-time temporary employee for six months
 - Assisted with the college's 10-year SACSCOC accreditation process
 - Gained additional real-world experience in an environment in which I was familiar

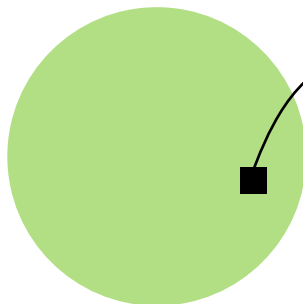


Graduated
Went back
Home to PA

Back home to start
graduate school



- Office of Institutional Research and Effectiveness
- Data Analyst Position
- 3-Year tenure
- Building professional network and experience
- Served professional community through state-wide conference planning, presenting at national conferences, and serving on special projects
- Completed a Masters in Public Administration



Graduated
Went back
Home to PA

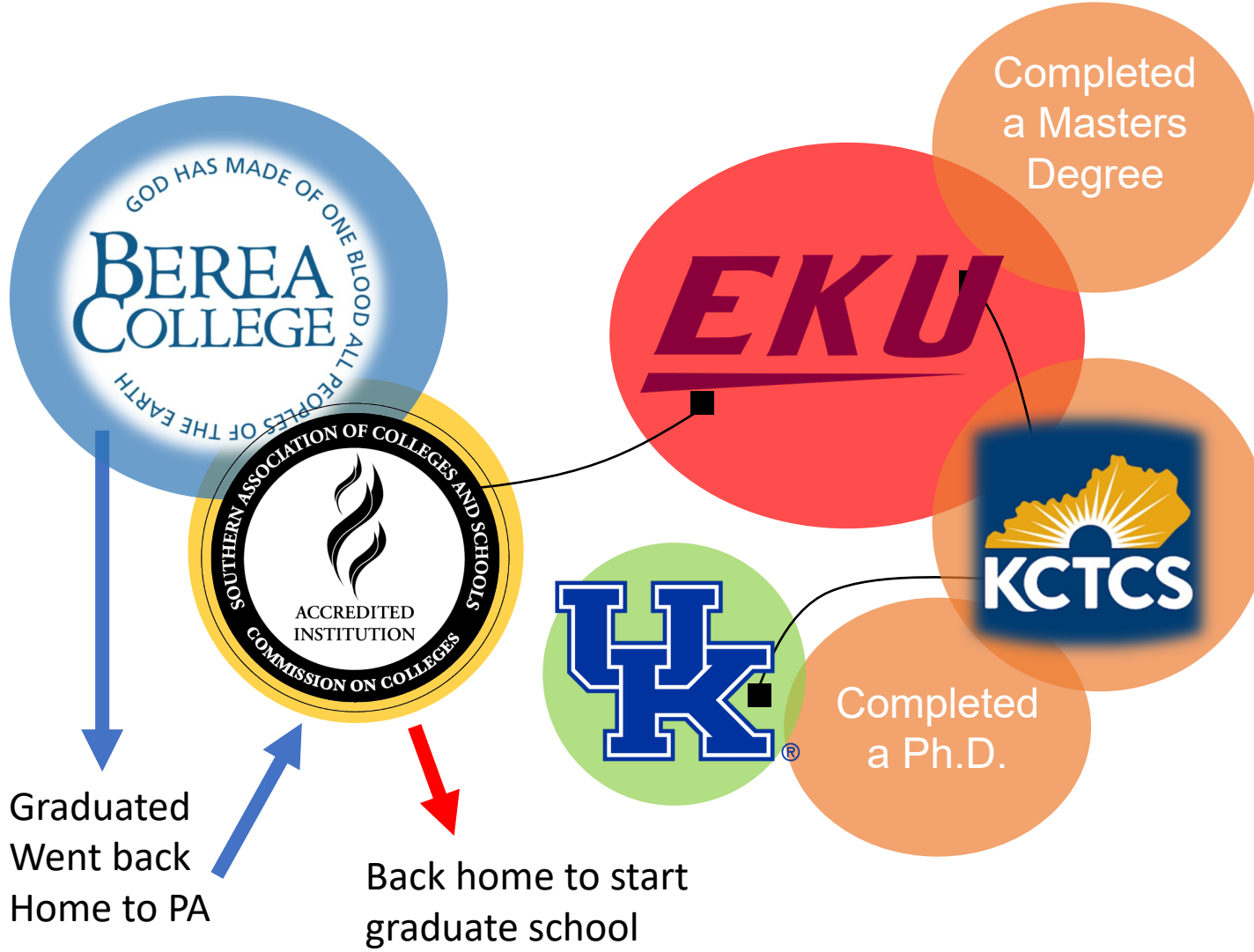
Back home to start
graduate school



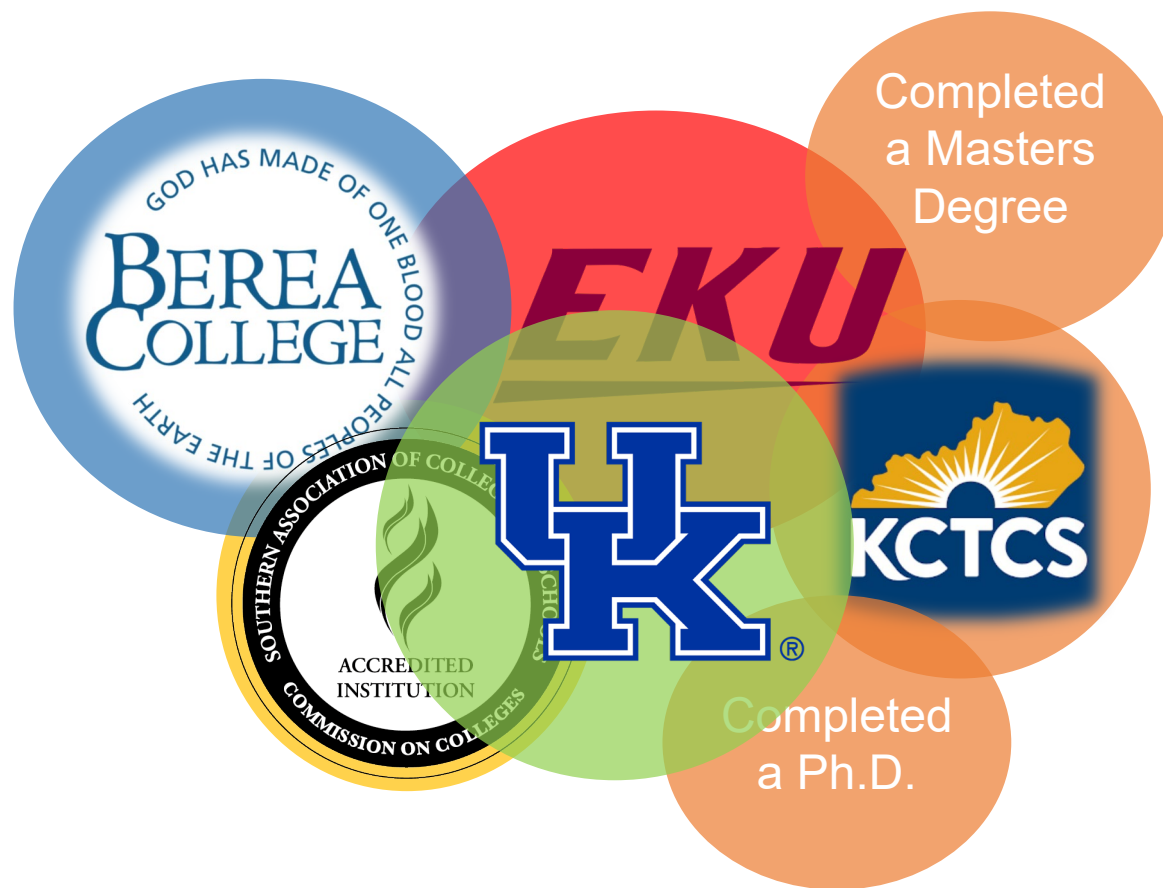
- Office of Research and Policy Analysis
- Research Coordinator
- Supporting needs of 16-Community and Technical Colleges
- 7-Year tenure
- Continued to develop technical skills, leadership, and building a professional network

Research

- Office of the Vice President for Research
- New Position: Decision Support Analyst
- New Vice President focused on data-informed decision making
- Translation of past student/financial data analytics and analysis from Institutional Research & Effectiveness into the research enterprise







Research Analytics

TRANSFORMING TOMORROW by Utilizing Data to Drive Decisions

- Decision Support for Senior Leadership
- Deploy same solutions across campus to all leadership
- Integrated data sourcing
 - Internal sponsored projects data
 - Internal university data sources (HR, finance, student, etc.)
 - External data sources
- Research Analytics – relatively new to the research enterprise
- Building and making connections through professional organizations

<https://www.research.uky.edu/research-analytics>

Research Analytics

TRANSFORMING TOMORROW by Utilizing Data to Drive Decisions



Building **trusted & transparent** data infrastructure



Creating **value-driven** approaches promotes accessibility



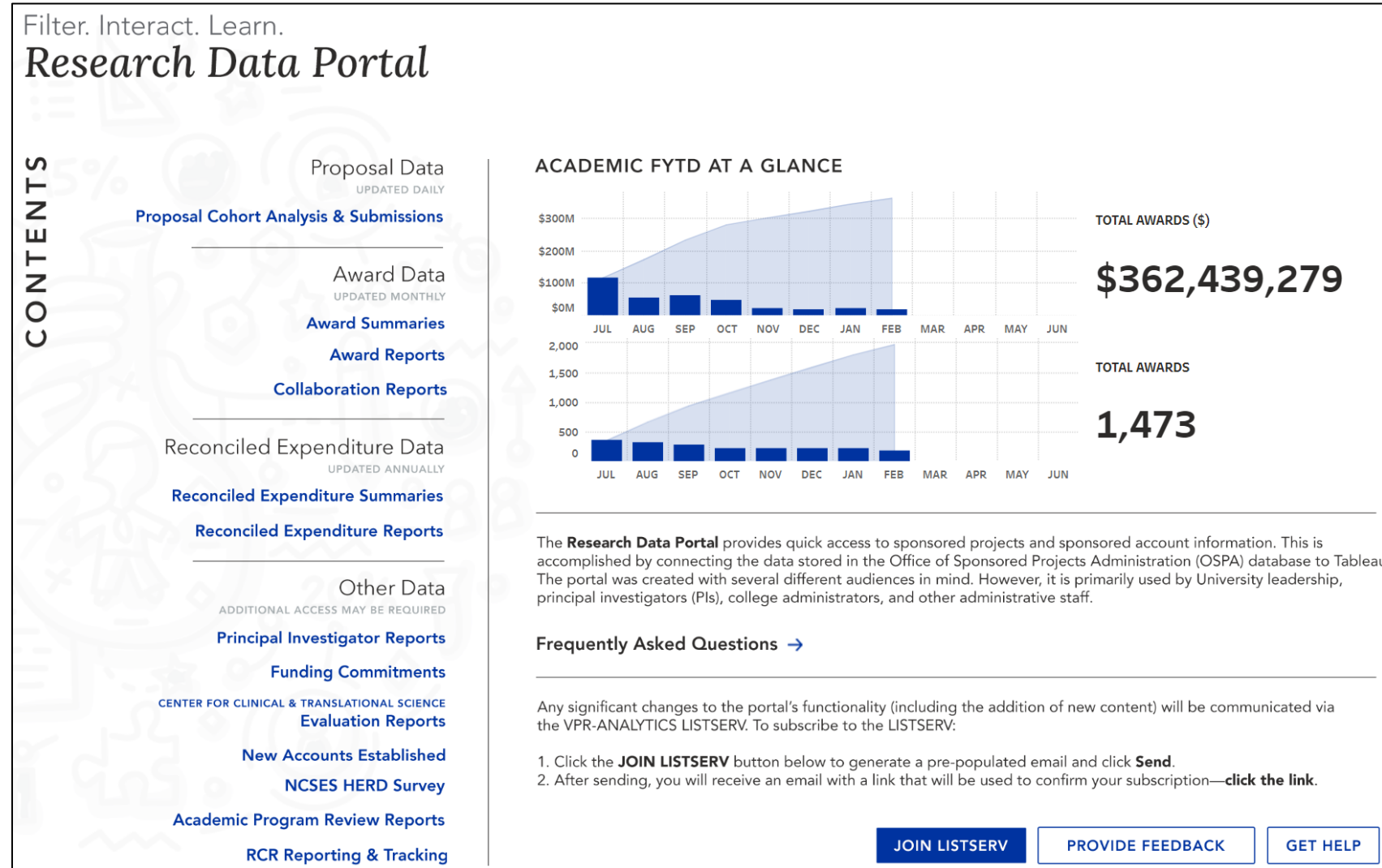
Putting data in the hands of **who need the information**



Advocating for tools and resources to **support campus community**

Examples

- **Data Portal**
powered by Tableau



Academic Fiscal Year
FYTD 2023

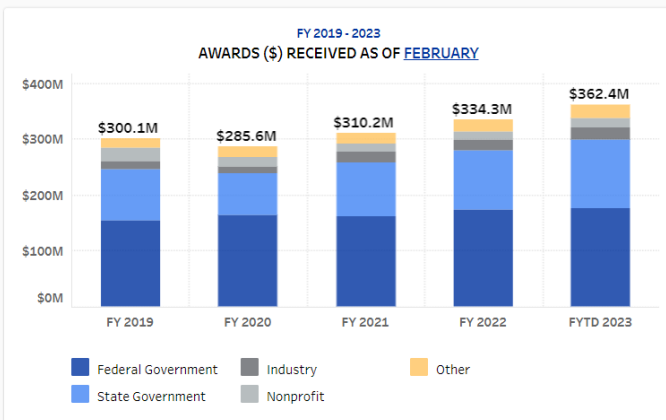
As of...
February

College or Unit
(All)

College or Unit Department
(All)

Source of Funding
(All)

Selected Sponsors
(All)



FY 2022 - 2023
PERCENT CHANGE AS OF FEBRUARY FOR FUNDING SOURCES

	FY 2022	FYTD 2023	Percent Change
Federal Government	\$174,470,882	\$176,274,215	+1.0%
State Government	\$104,997,363	\$122,522,242	+16.7%
Industry	\$18,213,932	\$22,065,653	+21.1%
Nonprofit	\$15,580,941	\$15,968,169	+2.5%
Other	\$21,016,017	\$25,609,000	+21.9%
Total	\$334,279,135	\$362,439,279	+8.4%

Dashboards provide a high-level overview of trends and comparison

FY 2014 - 2023
AWARDS (\$) RECEIVED AS OF FEBRUARY OF SELECTED

	FY 2014	FY 2015	FY 2016	FY 2017
Federal Government	\$101,707,776	\$97,088,011	\$115,113,286	\$122,691,731
		-4.5%	+18.6%	+6.6%
State Government	\$50,151,231	\$68,051,859	\$72,989,365	\$82,876,380
		+35.7%	+7.3%	+13.5%
Industry	\$14,269,024	\$12,235,775	\$10,173,341	\$10,808,606
		-14.2%	-16.9%	+6.2%
Nonprofit	\$11,683,086	\$24,311,985	\$22,821,790	\$23,550,373
		+108.1%	-6.1%	+3.2%
Other	\$13,238,132	\$9,093,917	\$14,714,529	\$12,515,583
		-31.3%	+61.8%	-14.9%
Total	\$191,049,249	\$210,781,547	\$235,812,311	\$252,442,673
		+10.3%	+11.9%	+7.1%

Source: University of Kentucky, Office of Sponsored Projects Administration (OSPA) Database
Compiled by: University of Kentucky, Office of the Vice President for Research

Start Here... | Award Summary | Award Details | Awards by Division | Awards by Sponsor | Investigator Summary | Investigator Details | Active Project Summary | Active Project

Time Period
Academic Fiscal Year

Year
2023

Source of Funding
☒ (All)
☒ Federal Government
☒ State Government
☒ Industry
☒ Nonprofit
☒ Other

Cancel Apply

College or Unit
(All)

College or Unit Department
(All)

Limit to COVID-19 Awards
☒ No
☐ Yes

University of Kentucky

Sponsored Project Grants & Contracts Award Summary, Academic Fiscal Year 2023

To see the department names, hover over the College or Unit column header and click the expand icon [+].

College or Unit	Number of Awards	Number of Sponsors	Number of PIs	Total Awards (\$)	% of Total (\$)
College of Agriculture, Food, and Environment	170	79	94	\$32,352,273	8.93%
College of Arts and Sciences	107	57	75	\$17,426,779	4.81%
College of Business and Economics	5	5	4	\$326,399	0.09%
College of Communication and Information	4	3	3	\$274,665	0.08%
College of Dentistry	7	7	6	\$1,445,721	0.40%
College of Design	3	3	2	\$54,905	0.02%
College of Education	33	21	23	\$7,650,184	2.11%
College of Engineering	124	56	65	\$31,292,734	8.63%
College of Fine Arts	2	2	2	\$123,639	0.03%
College of Health Sciences	29	21	18	\$7,838,993	2.16%
College of Medicine	718	289	299	\$153,260,349	42.29%
College of Nursing	22	14	12	\$5,172,599	1.43%
College of Pharmacy	25	21	18	\$7,811,721	2.16%
College of Public Health	51	33	32	\$21,469,191	5.92%
College of Social Work	26	9	6	\$13,491,235	3.72%
The Graduate School	11	8	7	\$1,214,638	0.34%
Libraries	2	2	2	\$23,673	0.01%
Research	124	58	55	\$57,913,799	15.98%
Other Units	10	8	8	\$3,295,782	0.91%
University Total	1,473	536	716	\$362,439,279	100.00%

Source: University of Kentucky, Office of Sponsored Projects Administration (OSPA) Database
Compiled by: University of Kentucky, Office of the Vice President for Research

Tabular Reports provide information people need at a more detailed level

Examples

- Data Portal powered by Tableau
- Ad-Hoc Reporting powered by Tableau



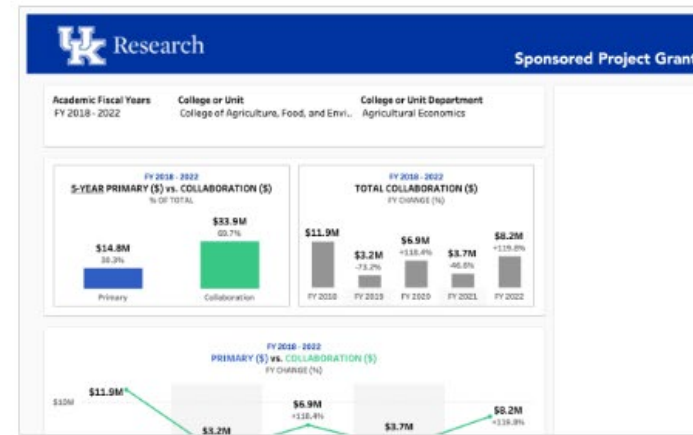
About RCR Reporting



RCR College Summary



Award Summary



Collaboration Summary

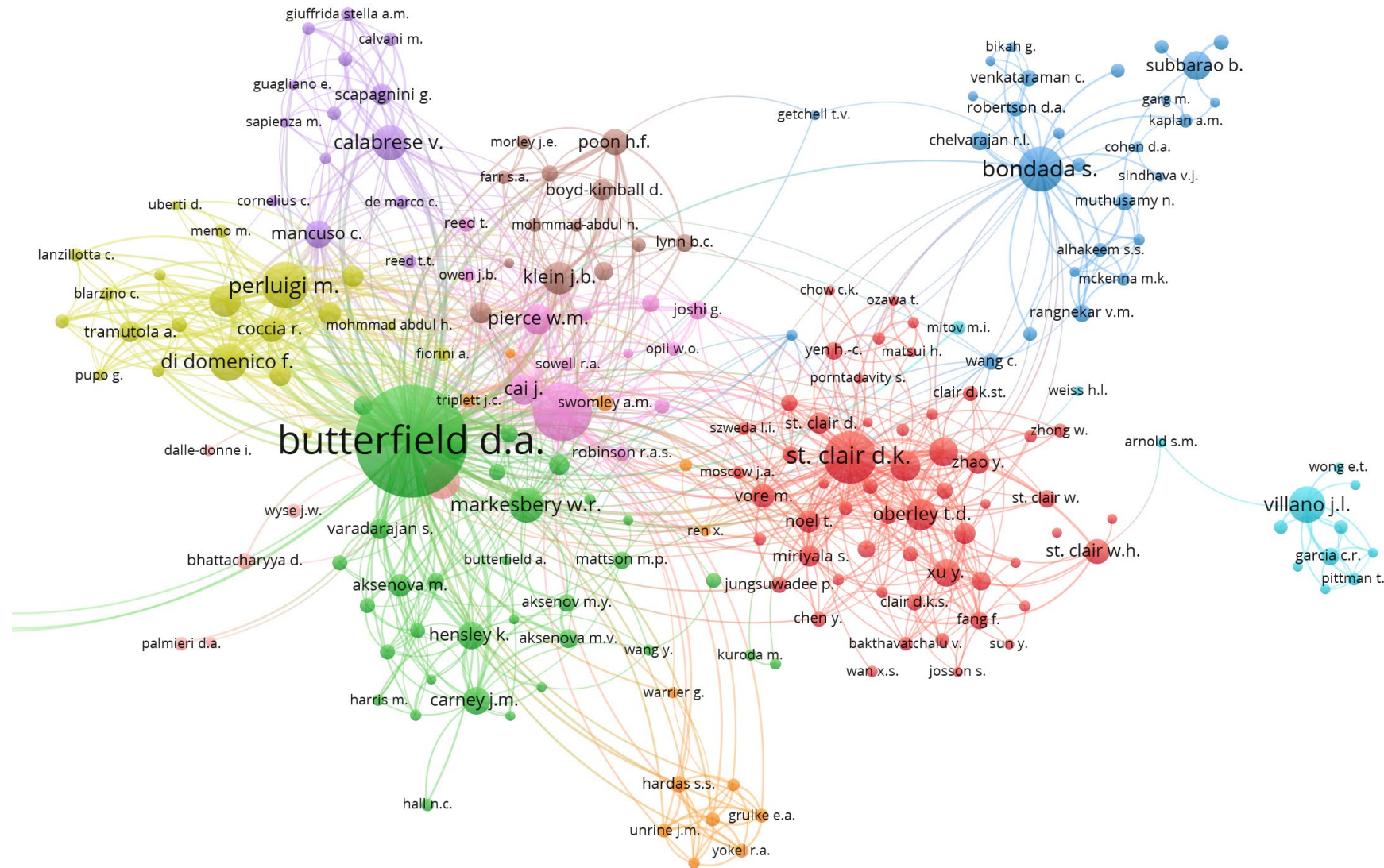


RCR Individual Detail



Examples

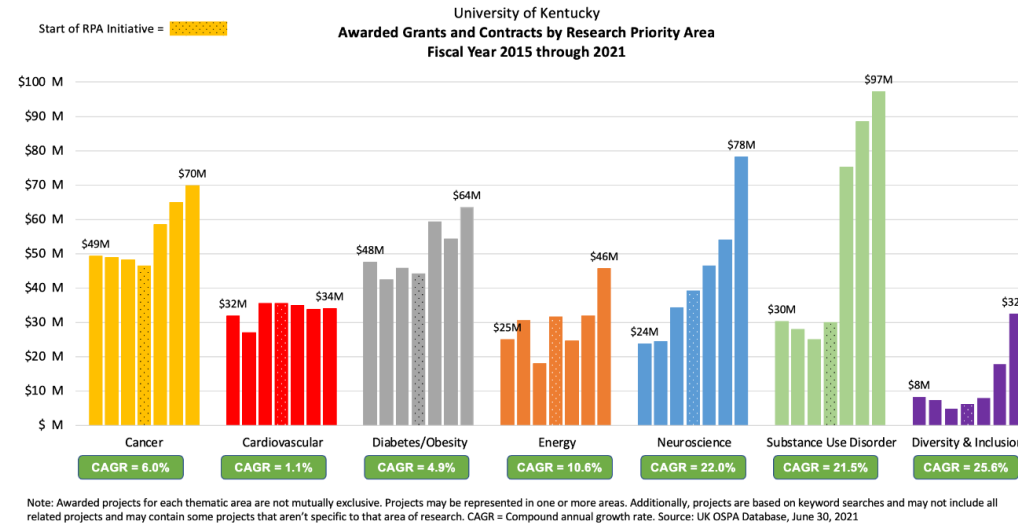
- Data Portal powered by Tableau
- Ad-Hoc Reporting powered by Tableau
- **Network Analysis & Bibliometrics** support strategic decisions



Co-Authorship Analysis using VosViewer

Examples

- Data Portal powered by Tableau
- Ad-Hoc Reporting powered by Tableau
- Network Analysis & Bibliometrics support strategic decisions
- **Program Review** supporting research initiatives



RESEARCH AWARDS IN PRIORITY AREAS

Using data to develop strategic initiatives
that lead to institutional growth

<https://www.research.uky.edu/research-priorities-initiative>



Support UK Researchers

Give to the Healthy Kentucky Research
Building



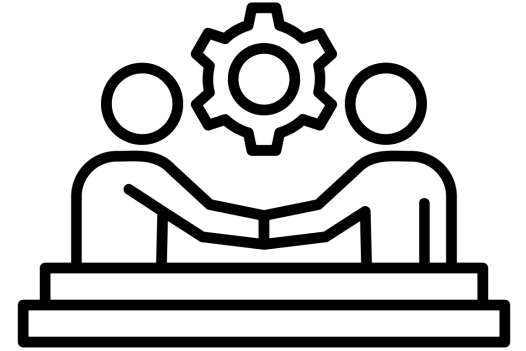
Research Information Management System – Newest Initiative

- System to capture consistent and up-to-date research output data and information
- System to create consistent researcher profiles
- Tool for discovery – both internal and external
- **NOT an assessment or evaluation tool**
- Capture new data elements not currently available
- Inclusive of all types of research, scholarship and discovery

<https://scholars.uky.edu/>

Paced Implementation to Ensure Success & Buy-In

- Research Analytics Team
- Research Information Services (programmers)
- Key Leadership
 - President, Provost, Vice President for Research
 - Associate Deans for Research
 - Department Chairs & Departmental Administrators
- College by College Roll-out
 - Dedicated meetings w/ Loudest Opponents
 - Results in longer time to go-live, but ensures campus buy-in and support



Kentucky is more than...

- Basketball
- Bourbon
- Kentucky Derby
- Biomedical research
- Agriculture research



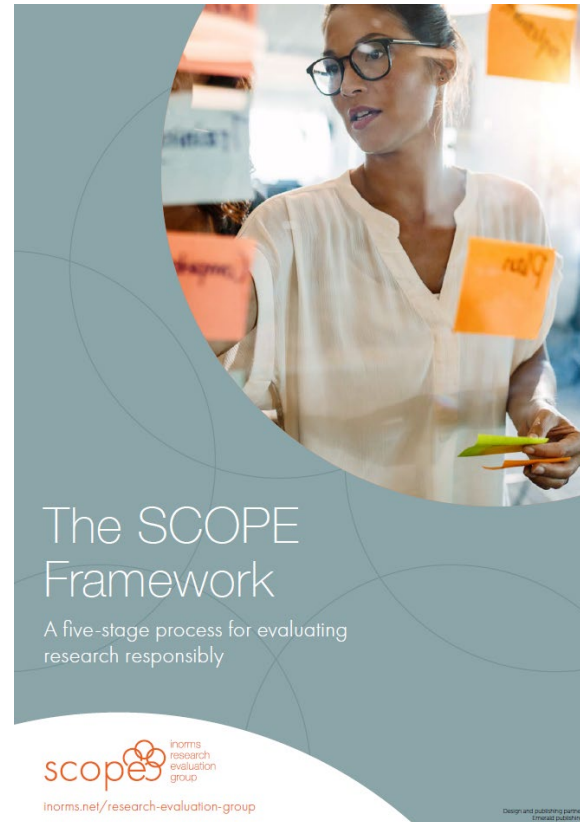
Research Information Management Systems helps UK communicate this through our public online portal and profiles!



<https://inorms.net/research-evaluation-group/>



<https://inorms.net/scope-framework-for-research-evaluation/>



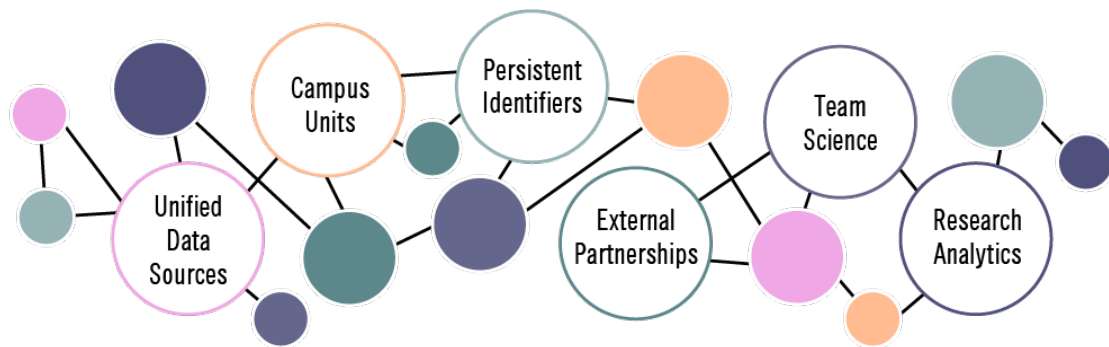
an inorms initiative

<https://inorms.net/more-than-our-rank/>

Research in Action

Research Analytics Funded Research

- National Council of University Research Administrators (NCURA)
- National Science Foundation Funded Research Project
Research Analytics Using the Higher Education Research and Development Survey (HERD) to Impact Institutional Strategy
- 2023 NCURA Global Research Fellowship
- Pending conference proposals w/ NSF and the Institute of Museum and Library Services



Thank you!

Baron G. Wolf, Ph.D.
 University of Kentucky
 Office of the Vice President for Research
baron.wolf@uky.edu

<https://scholars.uky.edu/en/persons/baron-g-wolf>

UK Research **SCHOLARS@UK** [LOGIN & HELP](#)

Home Research units **Researchers** Grants & Contracts Research output ...

Baron G. Wolf, Ph.D.
 Assistant Vice President for Research, Office of the Vice President for Research
 Director of Research Analytics, Office of the Vice President for Research
 UNITE Research Priority Area
<https://orcid.org/0000-0002-9918-9303>

[Contact Expert](#)

[Edit my profile](#)

2018 2022
Research activity per year

Overview Fingerprint Network Grants & Contracts (3) Research output (3) Honors & Awards (2) ...

Personal profile

Research Interests

Dr. Wolf has more than 15 years of experience working in institutional research, effectiveness, and strategic planning. His work has focused on the use of data analytics to make strategic business decisions and process improvement. He is a member of the International Network of Research Management Societies (INORMS) Research Evaluation Working Group. An international group of practitioners working towards fair research assessment practices.

His personal research interests include equality issues related to gender and sexual minority populations, the use of data analytics and business intelligence in decision-making, and impact of social network analysis.

Courses Taught

AN/MKT 306: **Business Intelligence and Data Visualization** Gatton College of Business and Economics, University of Kentucky

ISC 497 Special Topics: **Data Analytics and Storytelling with Data** Integrated Strategic Communications, College of Communication and Information, University of Kentucky

Expertise related to UN Sustainable Development Goals

Education/Academic qualification

Doctor of Philosophy, Univ Of Kentucky
2018

Masters, Public Administration, Eastern Kentucky University
2008

Bachelor of Science, Berea College
2004

External positions

Symposium Chair, Annual Meeting, Society of Research Administrators International
2020 → ...

Responsible Evaluation Group, Member, International Network of Research Management Societies
2019 → ...

Data Integrity Committee Chair, Society of Research Administrators International
2019 → ...

Advisory Board, National Higher Education Benchmarking Institute
2018 → 2021