

What We'll Cover

- Overview of the Research Analytics (RA) Team
- Our Scope
- Reporting
- Trend Analysis
- Decision Support
- Competitive Intelligence

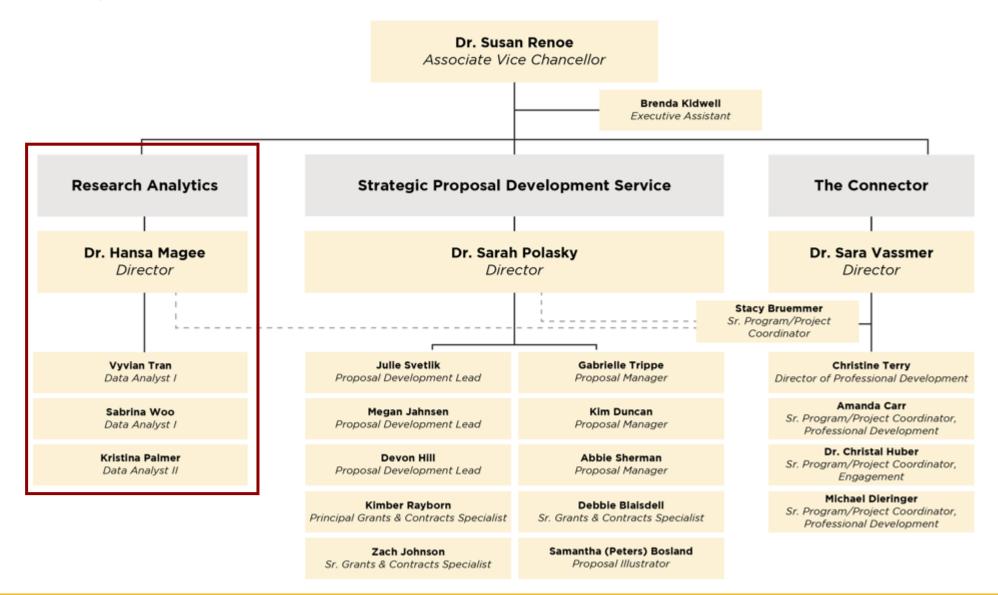
Who are we?

RESEARCH ANALYTICS

The Research Analytics team in the Division of Research, Innovation & Impact provides research and sponsored projects reporting, analyses and strategic decision support for the MU community.



To request Research Analytics support, email us at researchanalytics@missouri.edu.





Our scope: sponsored projects and research (HERD) reporting

Yes

- Routine/periodical reporting
- Troubleshoot data issues
- Determine reporting standards for MU
- Share/train/communicate on data
- Ad hoc data
- Federal funding analyses
- HERD survey

Not our scope

No

- Fixing data issues
- Reporting for other UM campuses
- Academic Analytics
- MyVita
- Data warehouse maintenance/administration

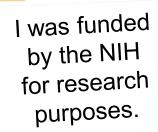
What is a sponsored project?

Sponsored projects are funded activities by external entities for specific purposes.

Components:

- Statement or scope of work
- Budget for funding
- Designated Principal Investigator (PI) or Program Director (PD)

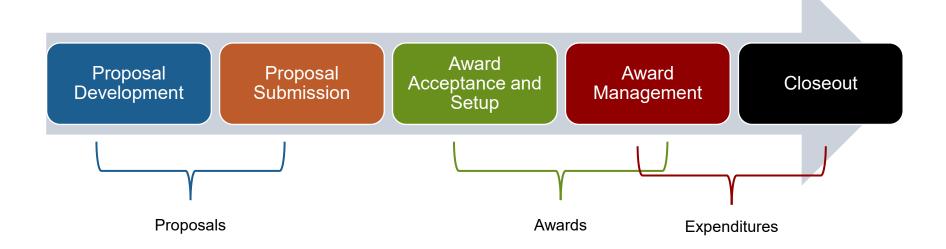
Link: https://research.missouri.edu/sponsored-programs-administration





Overview of Sponsored Projects Reporting

Three main buckets of data: Proposals, Awards, and Expenditures



Higher Education Research and Development (HERD)

- Survey conducted by the National Center for Science and Engineering Statistics (NCSES) within the National Science Foundation (NSF).
- Primary source of information on R&D within higher education
- Rankings/AAU metrics
- Collects data on:
 - R&D expenditures
 - funding sources
 - related research activities

Purpose

Source	Research	Instruction	Other	2023 Total
Internally at MU*	206M			
Sponsored Projects	256M	3M	79M	338M
2023 HERD Total:	462M			

^{*}Institutional, gifts/donations, cost share, unrecovered indirect costs





Monthly Excel & PDF Reporting

Static Reports:

- Snapshot once a month for data from 2020 through the previous month.
- Updated 5th working day after the first of the month

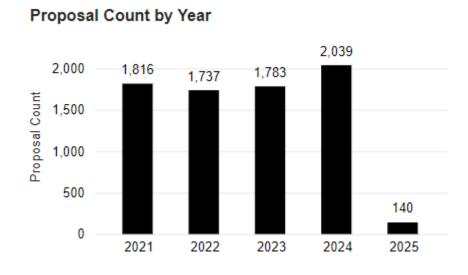
SEPTEMBER 2024						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2 Labor Day	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

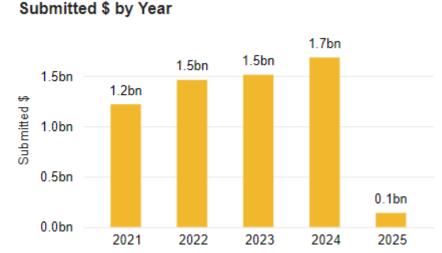
OCTOBER 2024							
SUN	MON	TUE	WED	THU	FRI	SAT	
		1	2	3	4	5	
6	7	8	9	10	11	12	
13	14 Columbus Day	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30	31 Halloween			

Monthly Power BI Dashboards

- Updated at the same time as the pivot table and PDF reporting.
- We will have new dashboards available this calendar year.
 - Old dashboards will be available until new December monthly data refresh

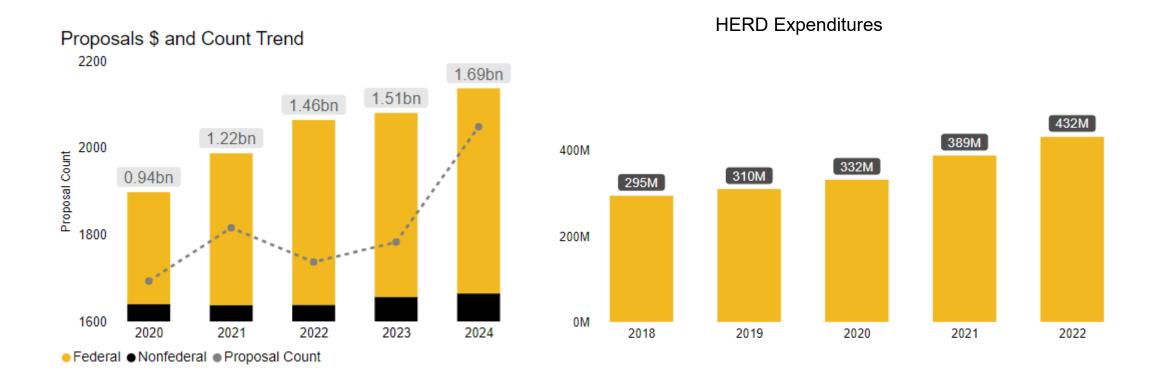








Trend Analysis





Decision Support

Ad hoc requests

- Email <u>researchanalytics@missouri.edu</u> with your request and deadline
- Turnaround can be day-of depending on urgency and complexity
- Supports faculty research and grant submissions
- Strategic decision support analyses for trends, goal setting, national benchmarking and targeted initiatives
- Project-based analyses
- Dimensions



Competitive Intelligence

Collect



Gather data relevant to business purpose. Sources may include databases of internal sponsored projects, human resources, public federal grants, publications, patents and more.

Analyze



Transform and visualize data to gain useful insights using analytical tools such as Excel, Power BI and Python.

Interpret



Provide actionable insights to answer business questions and realize goals. Deliverables are tailored to be concise and accessible for the intended audience.

Competitive Intelligence

Expected turnaround time for a CI analysis is 10-15 business days.

Deliverables

- Funding landscape:
 - Types of funding in specific research areas
- Sponsor analysis:
 - Current and future research funding by sponsors
- Program analysis:
 - Funding interests of specific programs
- Peer funding landscape:
 - Competitors' funding pursuits
- Capacity analysis:
 - Mizzou's strength and weaknesses

CI Program Analysis



Opportunity/Request

NSF announced
CHIRRP funding
opportunity (3/21/24)



Collect

- Attended webinar
- CHIRRP website
- Proposal Activity
- Dimensions



Analyze

- MU Earth Science
- Specific keywords
- Sponsor types
- Investigators
- Existing partnerships



Interpret

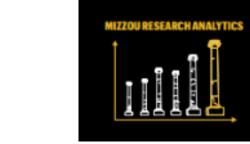
- Actionable insights
- CHIRRP PDF
- Completed 4/3/24

Thank You!









Next Research RA Event:

October 11: Introduction to Dimensions

12:00 PM – 1:00 PM

October 25: Federal Budget Overview 12:00 PM – 1:00 PM



Check out one of the Power BI demos.

October 17 or October 31 1:00 PM – 2:00 PM

Contact Email:

researchanalytics@missouri.edu

Dimensions Event: 2024
Altmetric & Dimensions
Academic User Day Date:
October 23
11:00 AM - 4:00 PM

Free T-Shirt: Attend all three October events and you're eligible to receive a free T-shirt (while supplies last).