

Reaching Beyond Research

How a **Research Information Management System**
Can Empower your Analytics and Energize your Outreach



Agenda

- How We Use RIMS
- About Digital Science
- Ohio Innovation Exchange (OIEx) and Symplectic Elements
- About the Ohio Innovation Exchange
- Analytics, Outreach and Culture at OIEx
- Benefits of Symplectic Elements



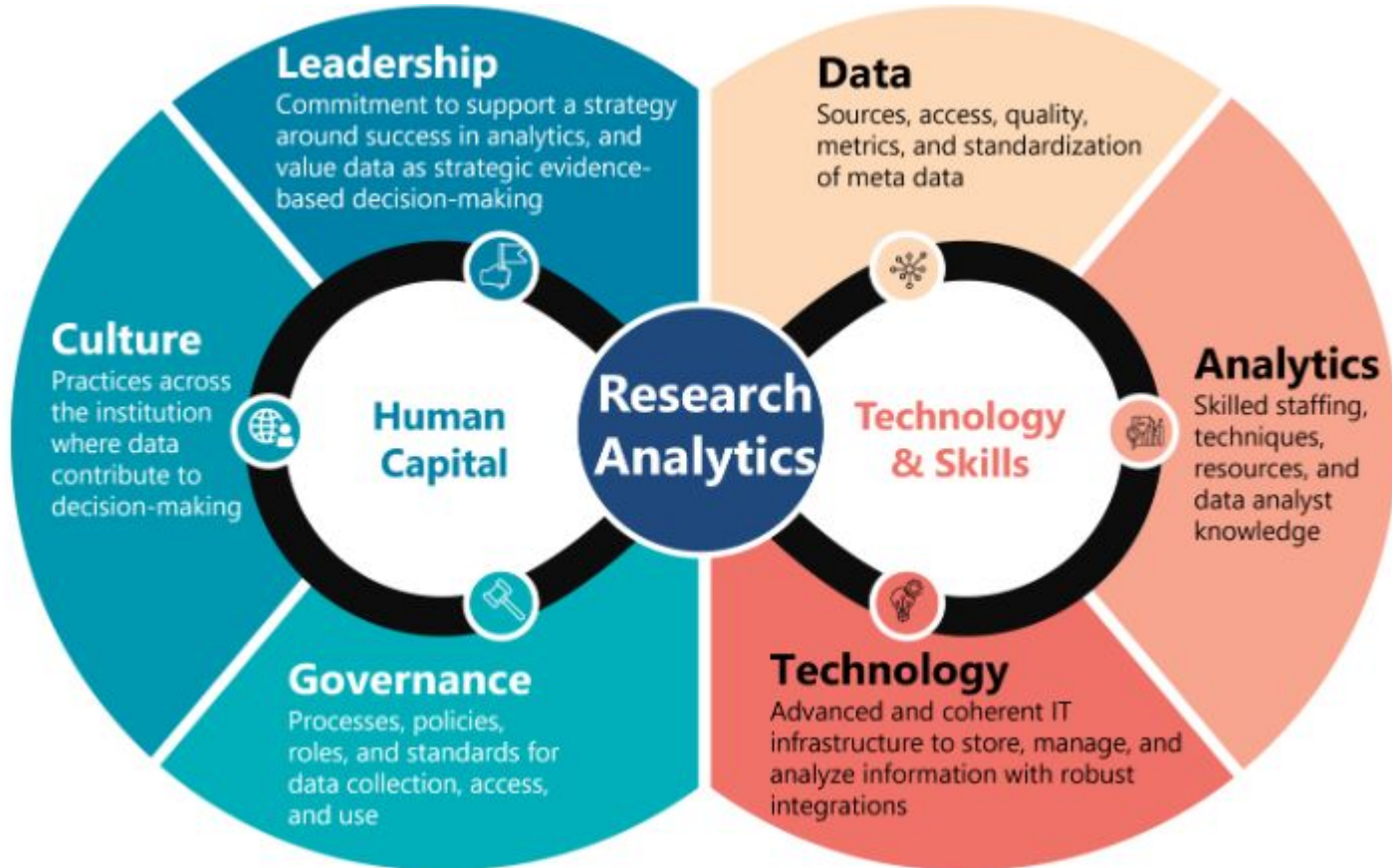
Jeff Agnoli

Senior Liaison for
Strategic Partnerships,
Office of Corporate
Partnerships, Ohio
Innovation Exchange



Alexandra Winzeler

Business Development
Manager
Digital Science

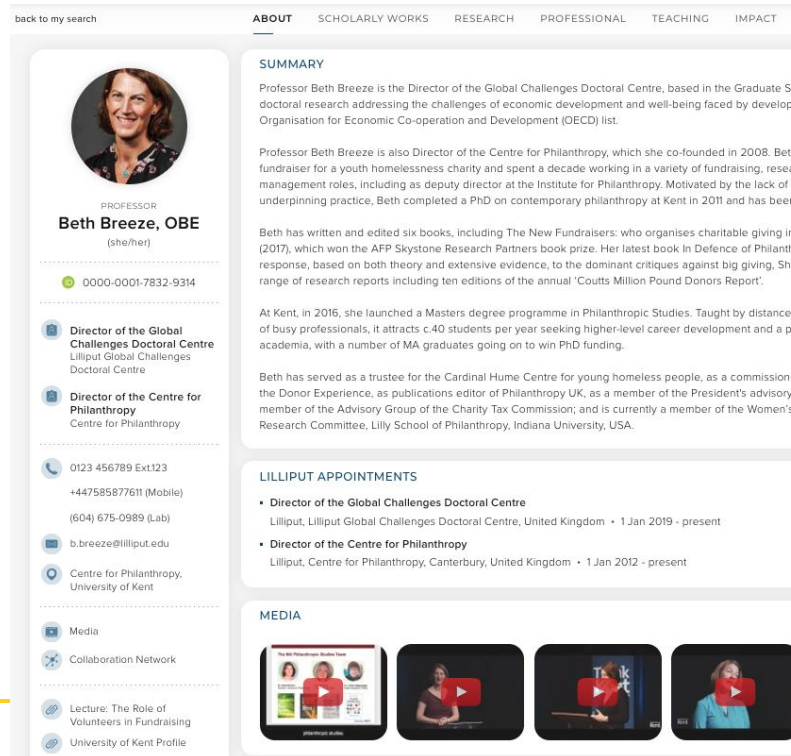


How We Use RIMS

Research Information Management System

RIMS facilitates your ability to:

- Collect & curate research outputs on profiles
- Highlight achievements from your researchers
- Showcase equipment and services
- Report on trends and metrics
- Support wider strategies for Open Access, faculty reviews, academic repositories, and funding workflows



The screenshot displays a researcher profile for Professor Beth Breeze, OBE. The profile includes a circular portrait photo, her name and title, and a contact number (0000-0001-7832-9314). Below this, two roles are listed: Director of the Global Challenges Doctoral Centre and Director of the Centre for Philanthropy. Contact information includes a phone number (0123 456789 Ext123), a mobile number (+447585877611), an email address (b.breeze@lilliput.edu), and affiliations with the Centre for Philanthropy at the University of Kent and a Collaboration Network. A 'Media' section at the bottom lists 'Lecture: The Role of Volunteers in Fundraising' and a 'University of Kent Profile' link. The right sidebar contains a 'SUMMARY' section with biographical text, a 'LILLIPUT APPOINTMENTS' section with two entries, and a 'MEDIA' section with four video thumbnails.

back to my search

ABOUT SCHOLARLY WORKS RESEARCH PROFESSIONAL TEACHING IMPACT

SUMMARY

Professor Beth Breeze is the Director of the Global Challenges Doctoral Centre, based in the Graduate School of Doctoral Research, addressing the challenges of economic development and well-being faced by developing countries. The Centre is an Organisation for Economic Co-operation and Development (OECD) list.

Professor Beth Breeze is also Director of the Centre for Philanthropy, which she co-founded in 2008. Beth is a fundraiser for a youth homelessness charity and spent a decade working in a variety of fundraising, research, and management roles, including as deputy director at the Institute for Philanthropy. Motivated by the lack of underpinning practice, Beth completed a PhD on contemporary philanthropy at Kent in 2011 and has been a senior research fellow at the Centre for Philanthropy since 2012.

Beth has written and edited six books, including *The New Fundraisers*: who organises charitable giving in the 21st century (2017), which won the AFP Skystone Research Partners book prize. Her latest book in *Defence of Philanthropy* response, based on both theory and extensive evidence, to the dominant critiques against big giving. She has also published a range of research reports including ten editions of the annual 'Coultts Million Pound Donors Report'.

At Kent, in 2016, she launched a Masters degree programme in Philanthropic Studies. Taught by distance of busy professionals, it attracts c.40 students per year seeking higher-level career development and a PhD in academia, with a number of MA graduates going on to win PhD funding.

Beth has served as a trustee for the Cardinal Hume Centre for young homeless people, as a commissioner for the Donor Experience, as publications editor of *Philanthropy UK*, as a member of the President's advisory group, as a member of the Charity Tax Commission, and is currently a member of the Women's Research Committee, Lilly School of Philanthropy, Indiana University, USA.

LILLIPUT APPOINTMENTS

- **Director of the Global Challenges Doctoral Centre**
Lilliput, Lilliput Global Challenges Doctoral Centre, United Kingdom • 1 Jan 2019 - present
- **Director of the Centre for Philanthropy**
Lilliput, Centre for Philanthropy, Canterbury, United Kingdom • 1 Jan 2012 - present

MEDIA

Four video thumbnails are displayed, each with a red play button icon. The first thumbnail shows a book cover for 'The New Fundraisers'. The second shows a woman speaking. The third shows a woman speaking at a podium. The fourth shows a woman speaking.

About Digital Science

- Pioneering technology company advancing the research ecosystem
- Solutions that support strategy, collaboration, funding, workflows, integrity
- Symplectic Elements is one solution from Digital Science used by:
 - 120+ research organizations
 - 50+ grant-making organizations
 - 15 countries
 - 350,000 researchers

[Learn more about Digital Science](#)

 Dimensions

 Symplectic

 Overleaf

 Altmetric

 Figshare


 Writefull

 Metaphacts

 Readcube

 Scismic

 IFI Claims

 Consultancy

 Ontochem

Ohio Innovation Exchange (OIEx) & Symplectic Elements



- Showcases a network of universities research experts
- Facilitates collaboration between academia, industry partners, peers, and students
- Generates Elements profiles with research outputs (publications, grants, media)
- Curates public search solution for research equipment/services, centers, patents, etc.

[Learn more about OIEx and Elements](#)

About the OIEx

- 10+ Universities
- 10K+ Researcher Profiles
- 2,000+ Equipment & 740+ Research Services
- 31K+ Patents over the last 10 years, etc.
- Industry Liaisons from partner universities
- Trade associations, industry partners, and economic developers

[Learn more about the Ohio Innovation Exchange](#)

About the OIEx - Leadership Team

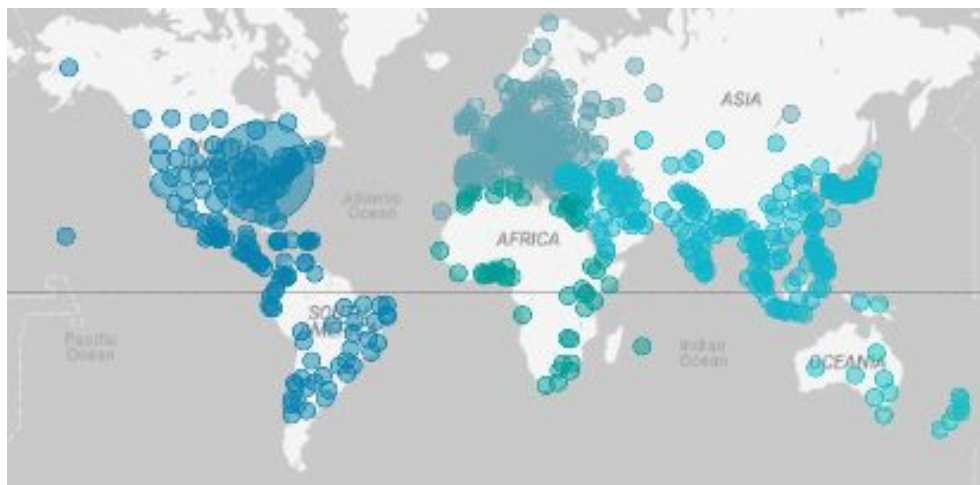
- **Charles See**, Deputy Chief of Staff, Vice Chancellor for Strategic Partnerships and Education Technology, Ohio Department of Higher Education
- **Tim Cain**, Executive in Residence, Associate Professor, Ohio University
- **Jeff Smith**, Director of the Shared Infrastructure, OH-TECH (Ohio Technology Consortium)
- **Jeff Agnoli**, Senior Liaison, Strategic Partnerships, The Ohio State University

About the OIEx - Governance



- Leadership Team charts the primary direction of the OIEx; funding comes from multiple sources including Ohio's Third Frontier Research Incentive grant program
- Collaborate with industry liaisons from partner universities
- Regular updates/metrics shared with Research Officers' Council (ROC)
 - Typically the Vice President for Research or their designee(s)
 - Includes public & private universities engaged in research

- Google Analytics tracks total pageviews, up to 20K+/month, countries/states/cities, 36K+ users, top profile, equipment, and patent pages
- Up to 20K page views each month from across the globe



Outreach and Engagement

- Through LinkedIn, we promote research, innovation and discovery to a 2,000+ audience
 - Contact Us email manages requests from faculty, industry, startups, etc.
 - Example Industry Engagement Outcomes
 - Sponsorship for fellowship; seeking subcontractors/proposal collaborators
 - Talent and workforce development
 - Recognition for clinical research faculty
 - Industry Equipment lease agreement
 - Business plan reviews for start-ups
-

Analytics Reports | The Ohio State University



Sources: Ohio State Office of Academic Affairs & Graduate School;
Benson Lindsey, Office of Technology and Digital Innovation and Jay Johnson,
Office Institutional Research and Planning

Interactive Industry Engagement



Innovation Exchange
An Initiative of the Ohio Department of Higher Education



Corporate Partner Summary Corporate Partner Detail Rank View Aliases List Data Source Info

Corporate Activity Overview

Selected Partner



★ = Top Activity Category

\$0

Research Expenditures

FY18-FY22

Source: Workday

\$0

Clinical Trial Expenditures

FY18-FY22

Source: Workday

\$3,936,892

Recent Giving

FY18-FY22

Source: Advancement

\$0

Licensing Revenue

FY18-FY22

Source: InnovateIP

254★

Intern/Co-Op Hires

FY17-FY21

Source: College Offices

288★

Full Time Hires

FY18-FY22

Source: Grad Survey

4,042★

Alumni Employees

FY18-FY22

Source: Advancement

0 sqft

Leased Space

FY18-FY22

Source: PARE

\$0

Purchasing Spend

FY22

Source: Workday

0

Master Agreement(s)

Active as of 6/14/2023

Source: OSP

5

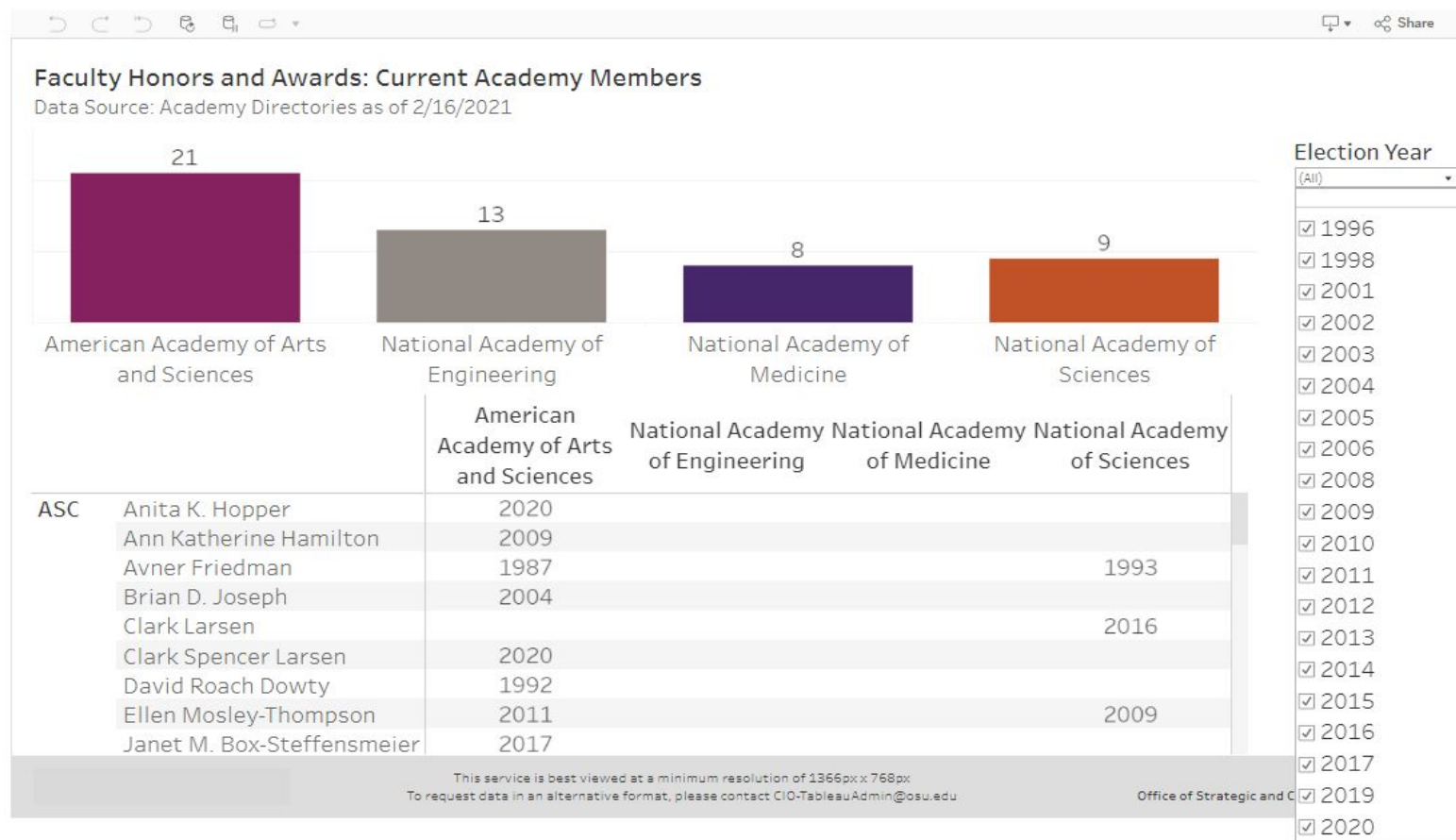
Salesforce Opportunities

FY22

Source: Salesforce

Honorific Awards

[Faculty Awards](#) | Office of Academic Affairs, The Ohio State University



Student Engagement

- Ohio State and the Coalition for Next Generation Life Sciences
 - Understand performance of graduate programs
 - Improves academic and nonacademic career growth; assists with proposal development, e.g., research output
 - Research Analytics Dashboards/Reports:
 - Student and Program
 - PhD and Master's Alumni Outcomes
 - Post-Doc Alumni Outcomes
 - [OSU Data and Assessment](#)
 - [NGLS Coalition](#)

High Impact Practices



NSSE 2022 High-Impact Practices

About This Report

About Your High-Impact Practices Report

Due to their positive associations with student learning and retention, certain undergraduate opportunities are designated "high-impact." High-Impact Practices (HIPs) share several traits: They demand considerable time and effort, facilitate learning outside of the classroom, require meaningful interactions with faculty and students, encourage collaboration with diverse others, and provide frequent and substantive feedback. As a result, participation in these practices has the potential to be very influential and rewarding (Kilgo et al., 2015; Kuh, 2008). NSSE founding director George Kuh recommends that institutions should aspire for all students to participate in at least two HIPs over the course of their undergraduate experience—one during the first year and one in the context of their major (NSSE, 2007).

NSSE asks students about their participation in the six HIPs shown in the box at right. Unlike most questions on the NSSE survey, the HIP questions are not limited to the current school year. Thus, senior students' responses include participation from prior years.

High-Impact Practices in NSSE

Service-Learning

Courses that included a community-based project

Learning Community

Formal program where groups of students take two or more classes together

Research with Faculty

Work with a faculty member on a research project

Internship or Field Experience

Internship, co-op, field experience, student teaching, or clinical placement

Study Abroad

Culminating Senior Experience

Capstone course, senior project or thesis, portfolio, recital, comprehensive exam, etc.

Report Sections

Participation Comparisons (p. 3)

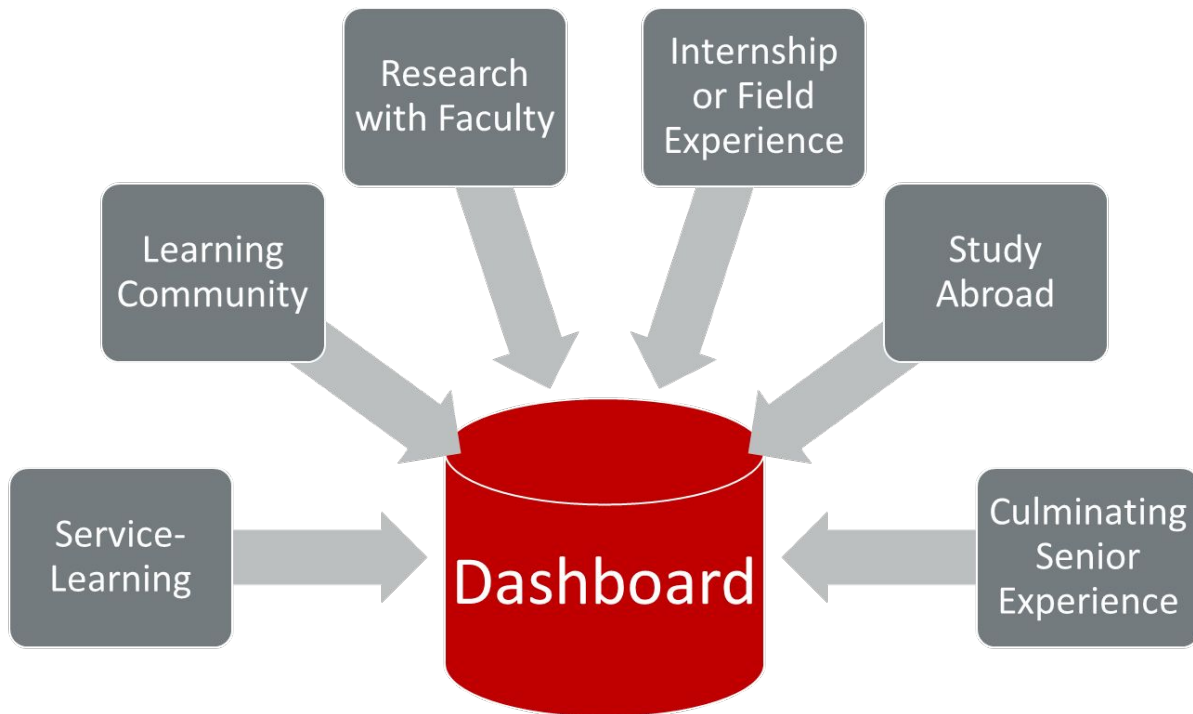
Displays HIP participation for your students compared with that of students at your comparison group institutions. Two views present insights into your students' HIP participation:

Overall HIP Participation

Displays the percentage of students who participated in one HIP and in two or more HIPs, relative to those at your comparison group institutions.

Statistical Comparisons

High Impact Practices



High Impact Practices - Cumulative Participation Breakdown

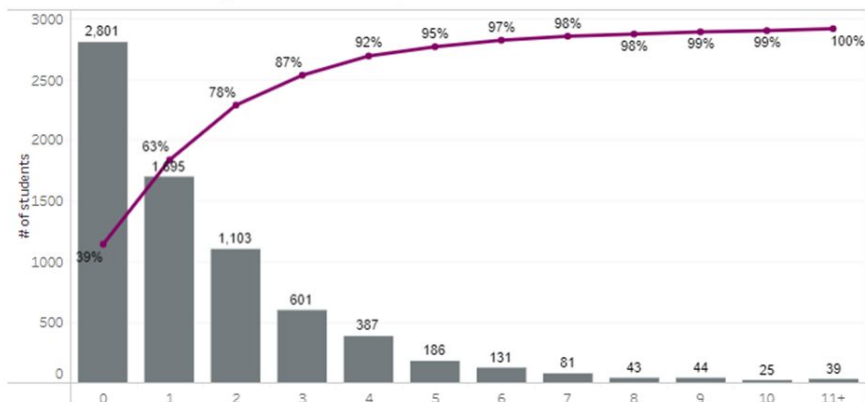
Cohort	Cohort Size	Year 1		Year 2		Year 3		Year 4	
		Participants (cumul.)	% of initial cohort	Participants (cumul.)	% of initial cohort	Participants (cumul.)	% of initial cohort	Participants (cumul.)	% of initial cohort
2017	7136	1,768	24.8%	3,665	51.4%	4,059	56.9%	4,335	60.7%
2018	7851	2,558	32.6%	4,266	54.3%	4,433	56.5%		
2019	7630	2,240	29.4%	3,675	48.2%				
2020	8602	2,193	25.5%						
Grand Total		8,759	28.1%	11,606	51.3%	8,492	56.7%	4,335	60.7%

Demographics: Race/Ethnicity by Sex

2017 Cohort as Seniors

		Cohort Size	# of participants	# of HIPs	Avg HIPs per Student	% Participation
American Indian/Native Alaskan	Female	3	2	5	1.67	66.7%
	Male	1	0	0	0.00	0.0%
Asian	Female	289	188	576	1.99	65.1%
	Male	281	133	366	1.30	47.3%
Black or African American	Female	217	133	401	1.85	61.3%
	Male	129	57	149	1.16	44.2%
Hispanic	Female	188	110	316	1.68	58.5%
	Male	154	66	178	1.16	42.9%
Native Hawaiian/Pac Islander	Male	1	0	0	0.00	0.0%
Non-Resident Alien	Female	265	90	157	0.59	34.0%
	Male	323	48	108	0.33	14.9%
None Given/Race Unknown	Female	128	76	233	1.82	59.4%
	Male	167	75	198	1.19	44.9%
Two or More Races	Female	163	108	287	1.76	66.3%
	Male	116	55	142	1.22	47.4%
White	Female	2,422	1,491	4,200	1.73	61.6%
	Male	2,289	969	2,316	1.01	42.3%
Grand Total		7,136	3,601	9,632	1.35	50.5%

Distribution: HIPs per student - 2017 Cohort as Seniors



Cohort

2017

Rank

Seniors

Demographic Level 1

Race/Ethnicity

Demographic Level 2

Sex

Select HIPs

(All)

- Buck-I-Serv ✓
- Buckeye Leadership Fellows ✓
- Internship ✓
- Non-Profit Immersion Program ✓
- Scholars Program ✓
- Service Learning ✓
- STEP ✓
- Student Life LC ✓
- Study Abroad ✓
- Undergrad Research (credit) ✓
- Undergrad Research (paid) ✓

Benefits of Symplectic Elements

Continuous, Automated Capture of Research Outputs

- Populate researcher profiles before their first login
- Auto-claim research objects based on user identifiers
- Harvest publications and grants from external sources
- Import data from on-campus systems

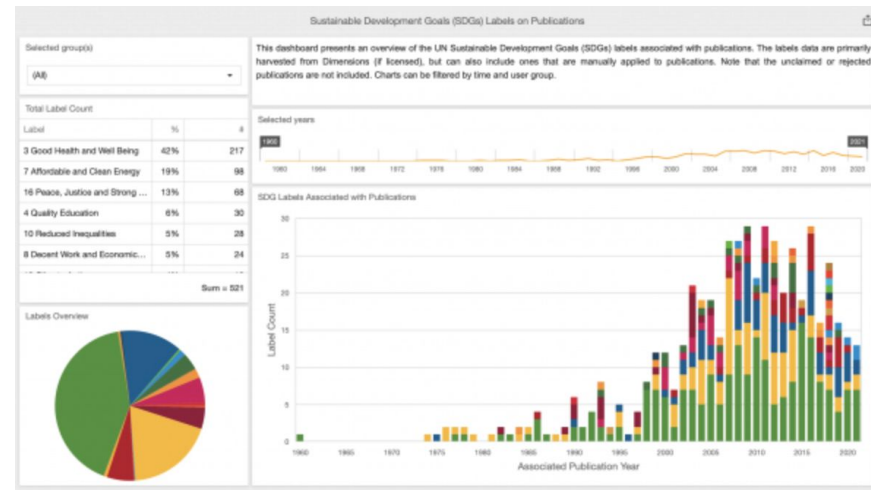
[Learn more about Symplectic Elements](#)

The screenshot displays the 'Elements' user interface for a user named Beth Breeze. The top navigation bar includes the 'Elements' logo and the user's name. The main content area is titled 'Homepage' and features a prominent 'Claim your scholarly outputs' banner. This banner includes an illustration of a document with a checkmark and a 'CLAIM NOW' button. Below the banner, there are four main sections: 'Scholarly outputs' (showing a bar chart of 69 outputs plus 21 pending), 'Grants & contracts' (listing 7 grants and 1 internal grant/award), 'Professional activities' (listing various roles like board memberships and committee work), and 'Teaching & mentoring' (listing course-based degree supervisions and courses taught). Each section has a '+ ADD NEW' and 'VIEW ALL' link. On the right side, there is a user profile card for Dr. Beth Breeze, showing her photo, name, affiliation (Lilliput Centre for Research Excellence), and contact information.

Benefits of Symplectic Elements

Map Research Outputs to Strategic Goals

- Build and share custom reports, dashboards, visualizations
- Narrow by keywords, trends, subject areas, and initiatives
- Tracking progress on Sustainable Development Goals (SDGs)
- Track your organization's unique goals



[Learn more about SDGs in Elements](#)

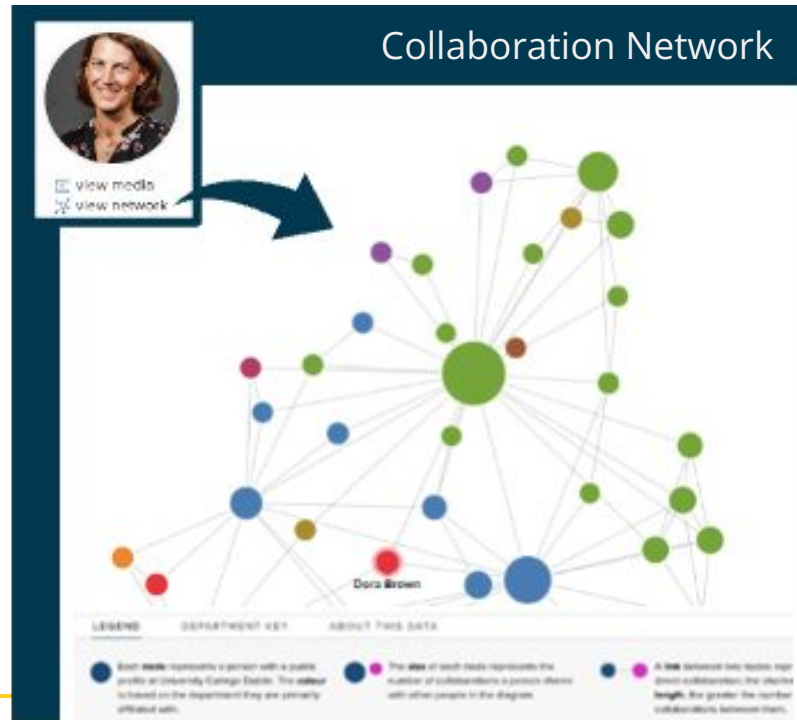
[Learn more about Elements Dashboards](#)

Benefits of Symplectic Elements

Elements Discovery for Public Profiles

- Professional, accessible display
- Search engine optimized
- Repository integrations
- Collaboration Network map
- Discover colleagues and peers
- Be discovered by project partners

[Learn more about Discovery profiles](#)



A wide-angle landscape photograph taken at sunset. The sun is a bright, glowing orb in the upper center, casting a warm, golden light across the scene. The sky is a mix of soft orange, yellow, and pale blue. Below the horizon, a series of rolling hills and valleys are visible. The hills are covered in lush green grass, with some areas appearing slightly drier or more yellowed. A prominent feature is a winding asphalt road that curves through the valleys, starting from the bottom left and looping towards the right. The road is bordered by a simple wooden fence. In the distance, more hills are visible under the fading light. The overall mood is peaceful and serene.

Lessons and Recommendations



THANK YOU

www.digital-science.com

www.ohioinnovationexchange.org

