

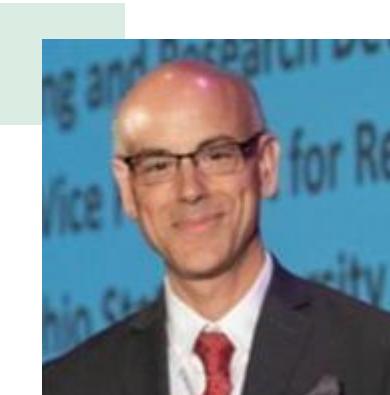
# Reaching Beyond Research

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

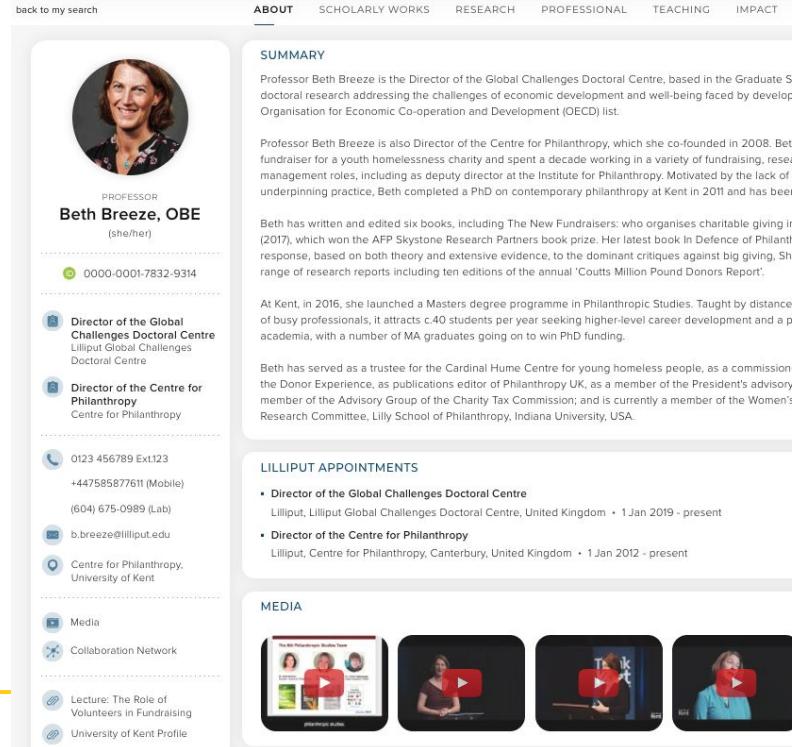


# How We Use RIMS

## 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 shows a detailed profile page for Professor Beth Breeze, OBE. At the top, there is a navigation bar with links for 'ABOUT', 'SCHOLARLY WORKS', 'RESEARCH', 'PROFESSIONAL', 'TEACHING', and 'IMPACT'. Below the navigation is a 'back to my search' link. The main profile area features a circular photo of Beth Breeze, her title 'PROFESSOR', and her name 'Beth Breeze, OBE (she/her)'. It also includes her ORCID ID: 0000-0001-7832-9314. Below this, there are two sections: 'DIRECTOR OF THE GLOBAL CHALLENGES DOCTORAL CENTRE' and 'DIRECTOR OF THE CENTRE FOR PHILANTHROPY'. Each section includes a small icon, a title, and a brief description. To the right of these sections, there is a 'SUMMARY' block containing a biography of Beth Breeze. Further down, there are sections for 'LILLIPUT APPOINTMENTS' and 'MEDIA', each with a list of items. At the bottom of the page, there are four video thumbnail images.

back to my search

ABOUT SCHOLARLY WORKS RESEARCH PROFESSIONAL TEACHING IMPACT

PROFESSOR

**Beth Breeze, OBE**  
(she/her)

0000-0001-7832-9314

Director of the Global Challenges Doctoral Centre  
Lilliput Global Challenges Doctoral Centre

Director of the Centre for Philanthropy  
Centre for Philanthropy

0123 456789 Ext123  
+447585877611 (Mobile)  
(604) 675-0989 (Lab)

b.breeze@lilliput.edu

Centre for Philanthropy,  
University of Kent

Media

Collaboration Network

Lecture: The Role of  
Volunteers in Fundraising  
University of Kent Profile

**SUMMARY**

Professor Beth Breeze is the Director of the Global Challenges Doctoral Centre, based in the Graduate School of Business Administration. She is also the 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 involved in the development of the field ever since.

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 involved in the development of the field ever since.

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* is based on extensive evidence to the dominant critiques against big giving, Shifting the balance: the range of research reports including ten editions of the annual 'Counts' Million Pound Donors Report.

At Kent, in 2016, she launched a Masters degree programme in Philanthropic Studies. Taught by distance learning of busy professionals, it attracts c.40 students per year seeking higher-level career development and a pathway to further study. Beth has served as a trustee for the Cardinal Hume Centre for young homeless people, as a commissioning editor for the *Donor Experience*, as publications editor of *Philanthropy UK*, as a member of the President's advisory committee of the *Advisory Group 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

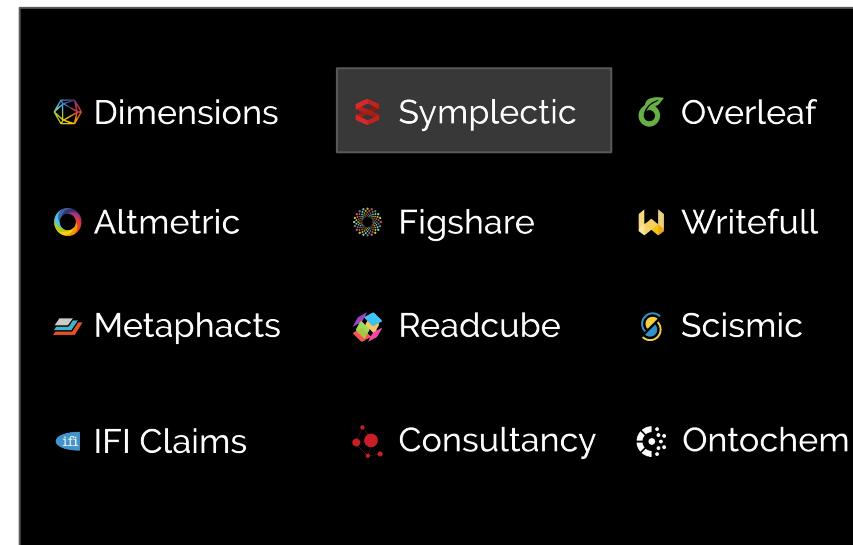
**MEDIA**

The screenshot shows four video thumbnail images:

- The 10th Philanthropy Studies Yearbook
- Lecture: The Role of  
Volunteers in Fundraising
- Talk
- Talk

# 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](#)

# 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

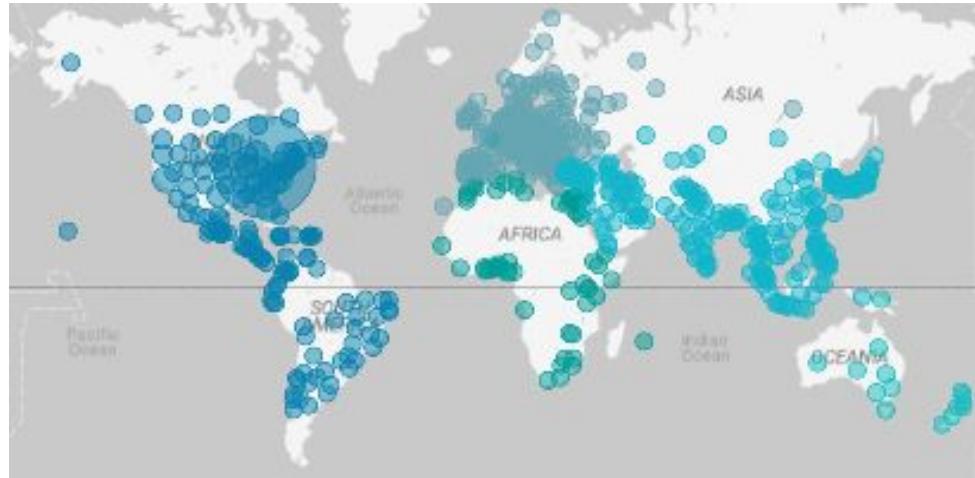
- **Charles See**, Deputy Chief of Staff, Vice Chancellor for Strategic Partnerships and Education Technology, Ohio Department of Higher Education
- **Tim Cain**, Executive in Residence, Associate Professor, Ohio University
- **Jeff Smith**, Director of the Shared Infrastructure, OH-TECH (Ohio Technology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

# Analytics, Outreach, and Culture at OIEx

- 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

[Corporate Partner Summary](#) [Corporate Partner Detail](#) [Rank View](#) [Aliases List](#) [Data Source Info](#)

## Corporate Activity Overview

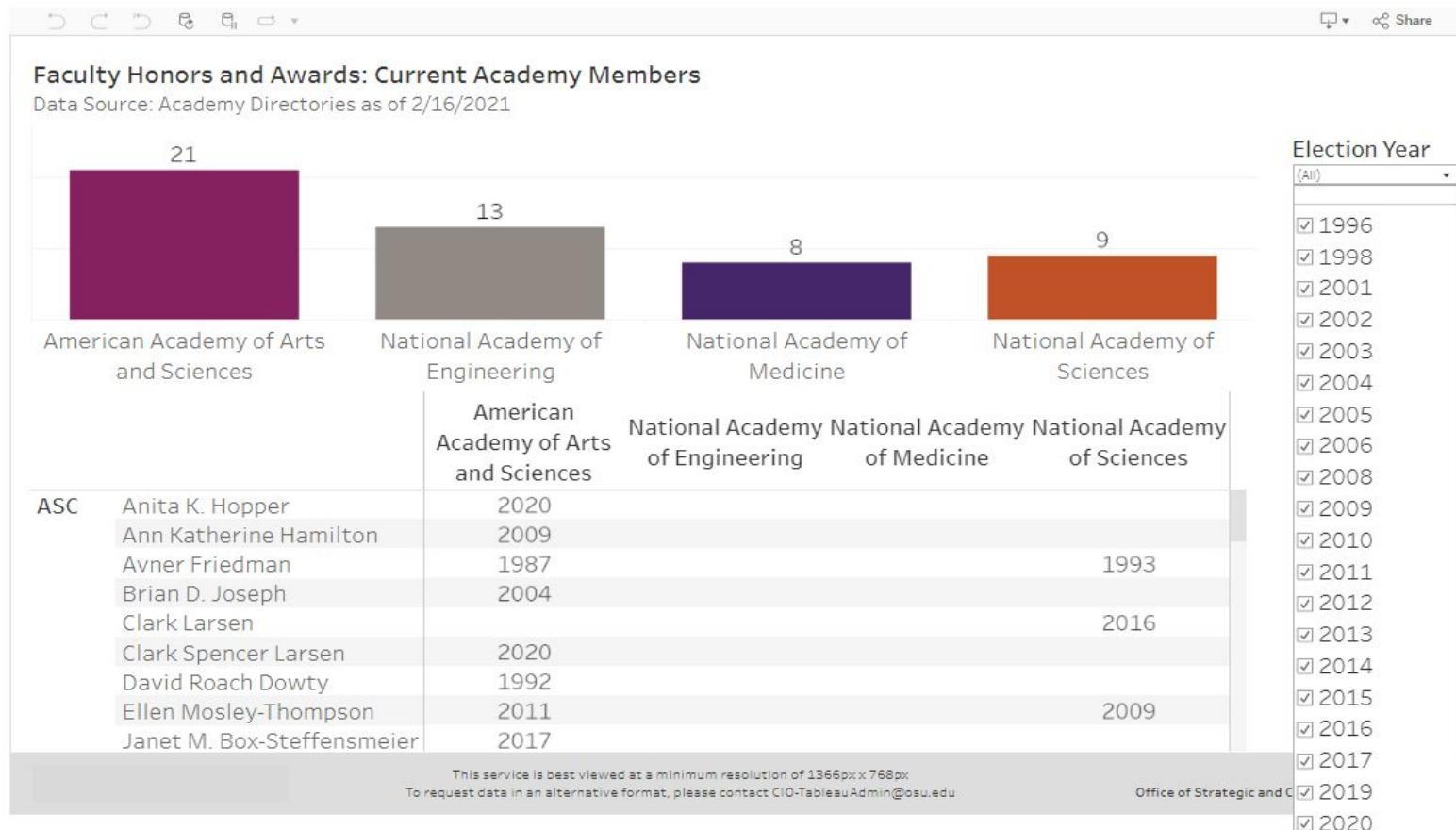
Selected Partner  


★ = Top Activity Category

<b>\$0</b> Research Expenditures FY18-FY22 Source: Workday	<b>\$0</b> Clinical Trial Expenditures FY18-FY22 Source: Workday	<b>\$3,936,892</b> Recent Giving FY18-FY22 Source: Advancement	<b>\$0</b> Licensing Revenue FY18-FY22 Source: InnovateIP
<b>254★</b> Intern/Co-Op Hires FY17-FY21 Source: College Offices	<b>288★</b> Full Time Hires FY18-FY22 Source: Grad Survey	<b>4,042★</b> Alumni Employees FY18-FY22 Source: Advancement	<b>0 sqft</b> Leased Space FY18-FY22 Source: PARE
<b>\$0</b> Purchasing Spend FY22 Source: Workday	<b>0</b> Master Agreement(s) Active as of 6/14/2023 Source: OSP	<b>5</b> 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)

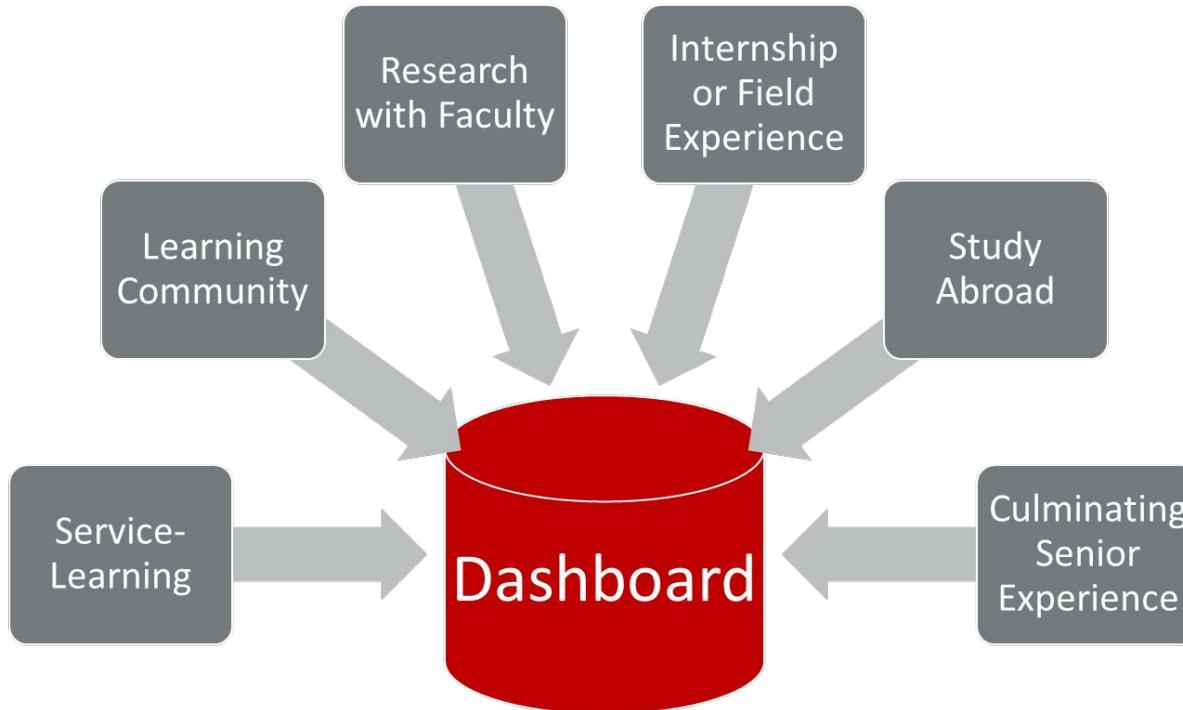
Displays HIP participation for your students compared with that of students at your comparison group institutions. Two views present insights into your students' HIP participation:

##### 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

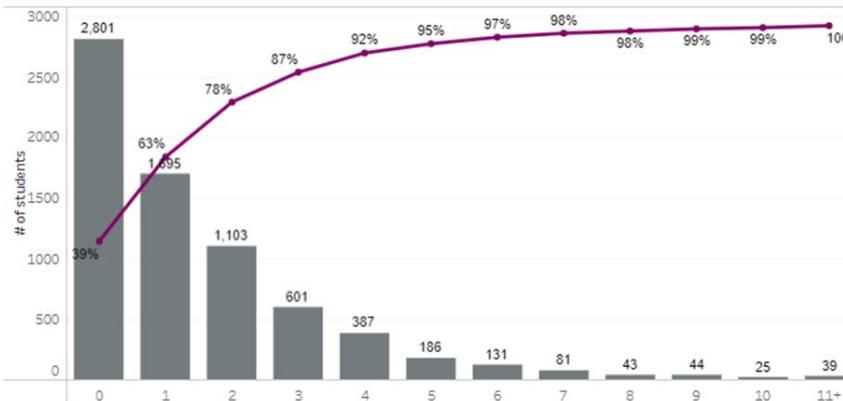
# High Impact Practices



# High Impact Practices - Cumulative Participation Breakdown

Cohort	Cohort Size	Year 1		Year 2		Year 3		Year 4	
		Participants (cumul.)	% of initial cohort						
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	8502	2,193	25.5%						
Grand Total		8,759	28.1%	11,606	51.3%	8,492	56.7%	4,335	60.7%

## Distribution: HIPs per student - 2017 Cohort as Seniors



## 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/Pacific 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%

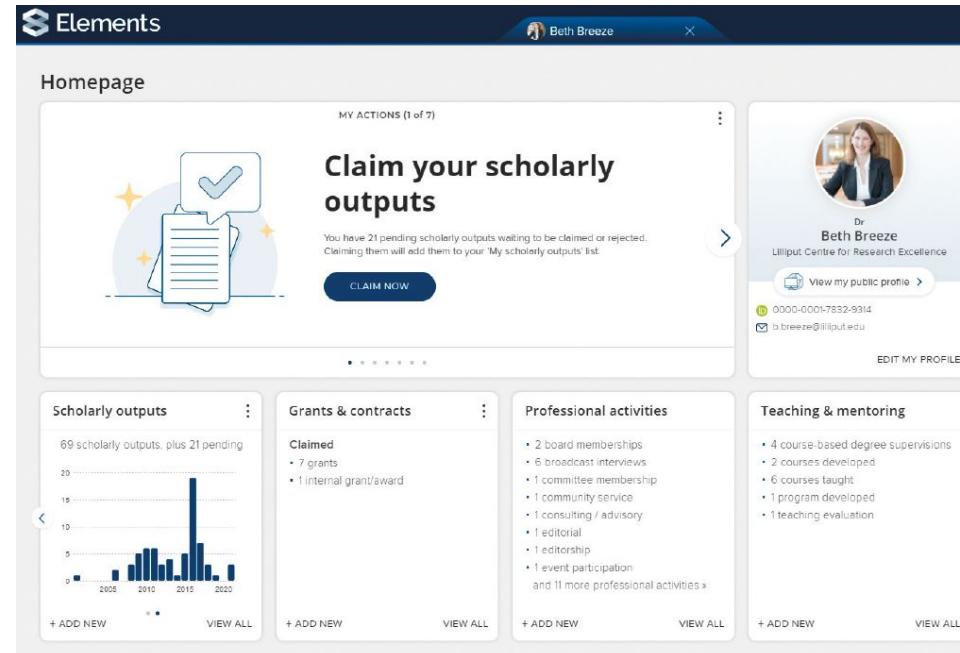
Cohort	Rank	Demographic Level 1	Demographic Level 2	Select HIPs
2017	Seniors	Race/Ethnicity		
		Asian		
		Black or African American		
		Hispanic		
		Native Hawaiian/Pacific Islander		
		Non-Resident Alien		
		None Given/Race Unknown		
		Two or More Races		
		White		
				Buck-I-Serv
				Buckeye Leadership 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](#)

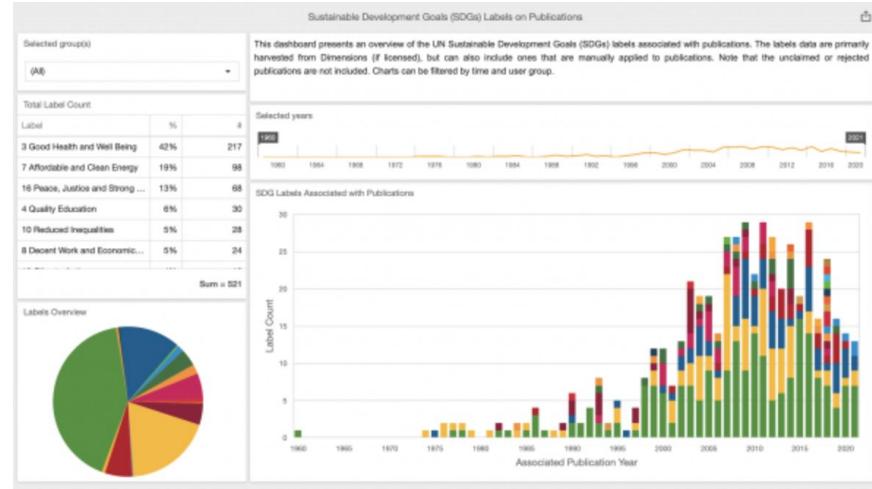


The screenshot shows the Symplectic Elements homepage for a user named Beth Breeze. The top navigation bar includes the 'Elements' logo, a user profile icon for Beth Breeze, and a 'Logout' button. The main content area is titled 'Homepage' and features a 'Claim your scholarly outputs' section with a 'CLAIM NOW' button. Below this, there are four main sections: 'Scholarly outputs' (69 outputs, plus 21 pending), 'Grants & contracts' (Claimed: 7 grants, 1 internal grant/award), 'Professional activities' (2 board memberships, 6 broadcast interviews, 1 committee membership, 1 community service, 1 consulting / advisory, 1 editorial, 1 editorship, 1 event participation, and 11 more professional activities), and 'Teaching & mentoring' (4 course-based degree supervisions, 2 courses developed, 6 courses taught, 1 program developed, 1 teaching evaluation). Each section includes a 'VIEW ALL' button and a '+ ADD NEW' button. The sidebar on the right shows a profile picture of Beth Breeze, her title 'Dr. Beth Breeze', her affiliation 'Lilliput Centre for Research Excellence', and contact information: phone number (0000-0001-7532-9314) and email (b.breeze@lilliput.edu). There is also a 'EDIT MY PROFILE' button.

# 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](#)

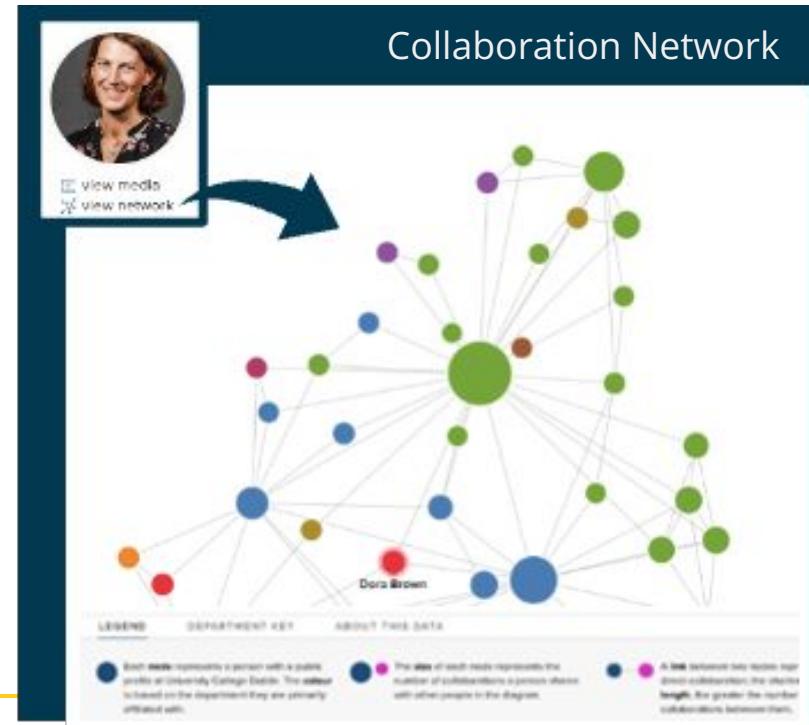
[Learn more about Elements Dashboards](#)

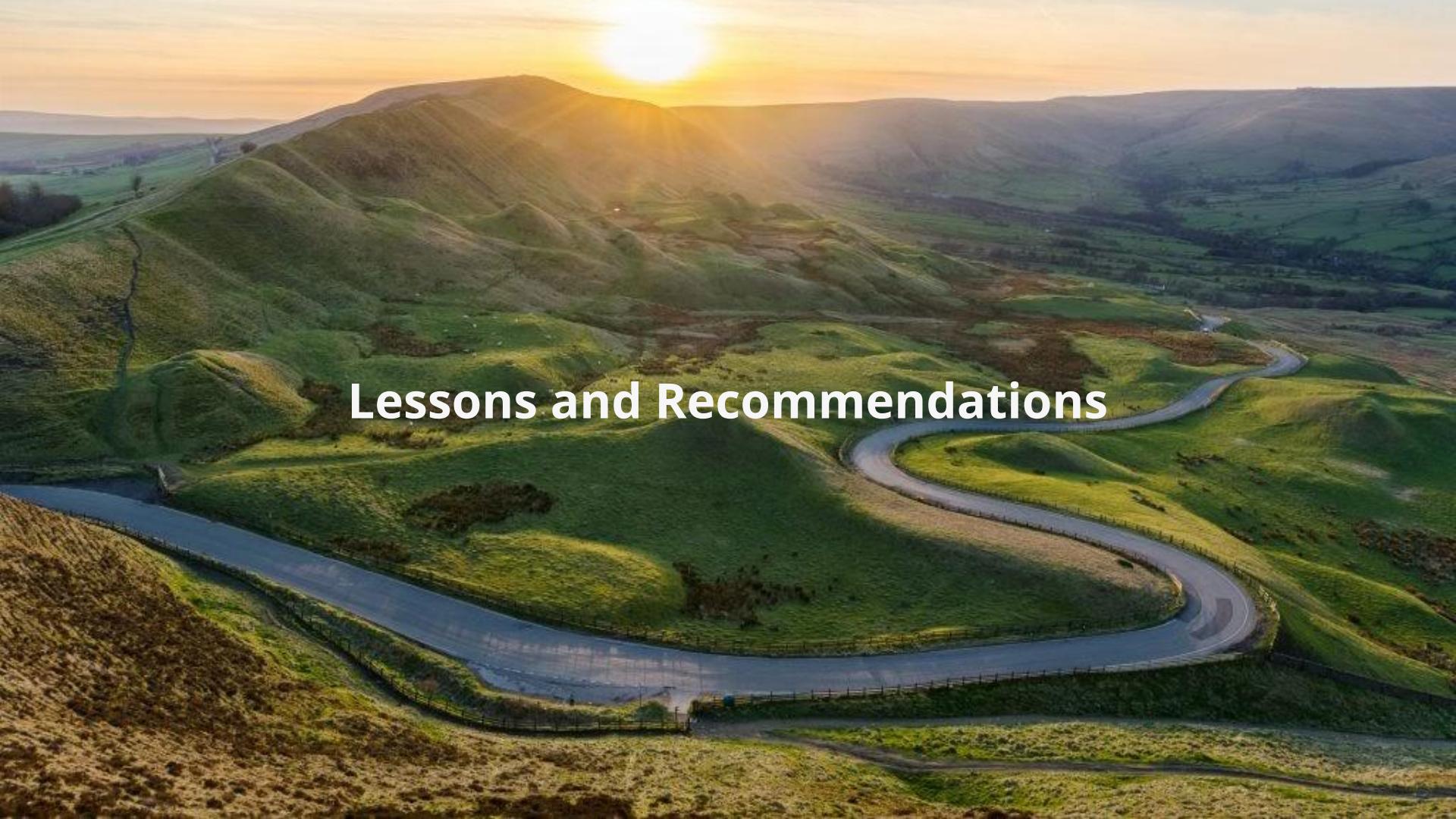
# Benefits of Symplectic Elements

## 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 photograph of a winding road through a rural landscape. The road curves through rolling green hills, with a bright sun setting behind the highest peaks, casting a warm glow and long shadows. The foreground is a mix of green fields and brown, dry grassy areas.

# Lessons and Recommendations



# THANK YOU

[www.digital-science.com](http://www.digital-science.com)

[www.ohioinnovationexchange.org](http://www.ohioinnovationexchange.org)

