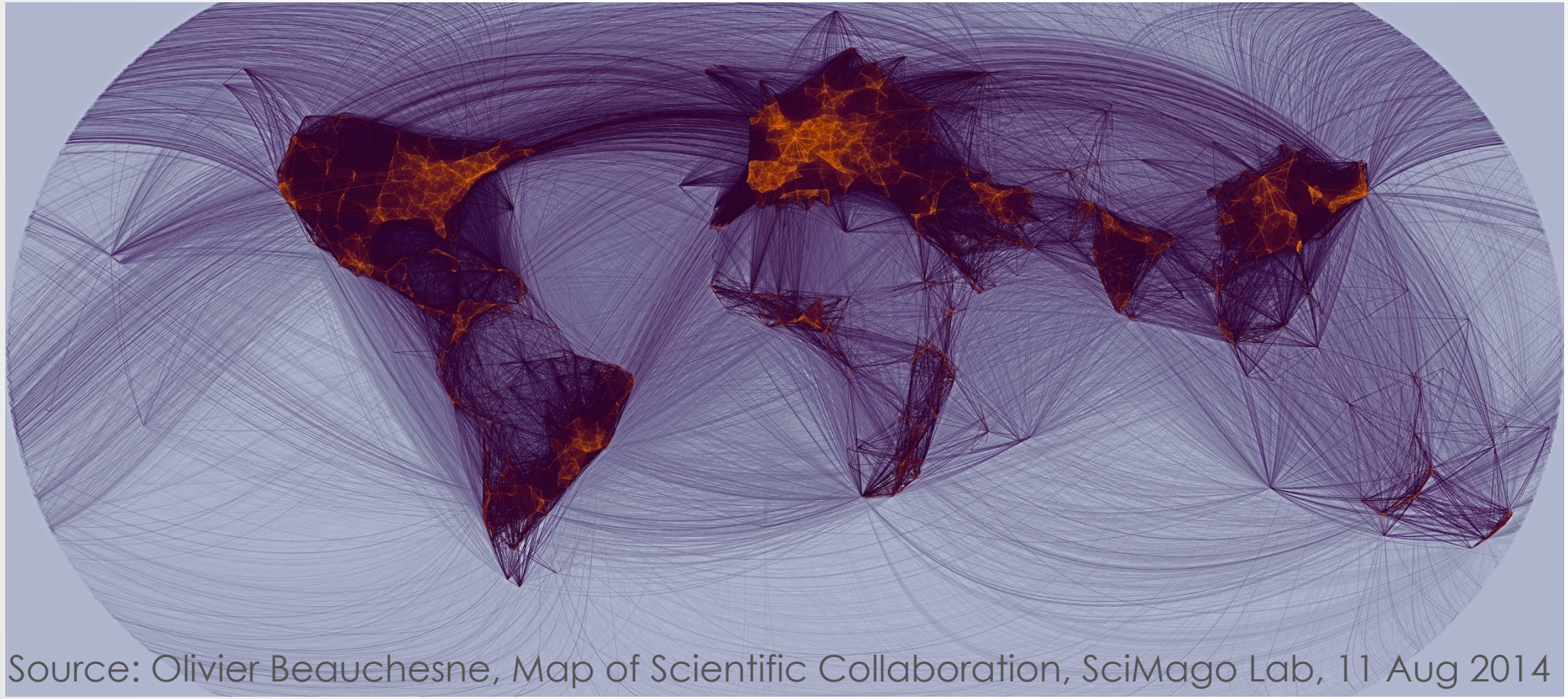
HOW MUCH DO YOU REALLY KNOW?
DEVELOPING DATA-DRIVEN STRATEGIES FOR INTERNATIONAL ENGAGEMENT

Jane Gatewood, University of Rochester
Kiki Caruson, University of South Florida
Mary Anne Walker, Michigan State University

CONTEXT FOR INTERNATIONAL COLLABORATION



Source: Olivier Beauchesne, Map of Scientific Collaboration, SciMago Lab, 11 Aug 2014

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CONTEXT FOR INTERNATIONAL COLLABORATION

"Today, over 35% of articles published in international journals are internationally collaborative, up from 25% 15 years ago."

Knowledge, Networks & Nations: Global Scientific Collaboration in the 21st Century
(Royal Society, UK: 2011)

Source: Olivier Beauchesne, Map of Scientific Collaboration, SciMago Lab, 11 Aug 2014

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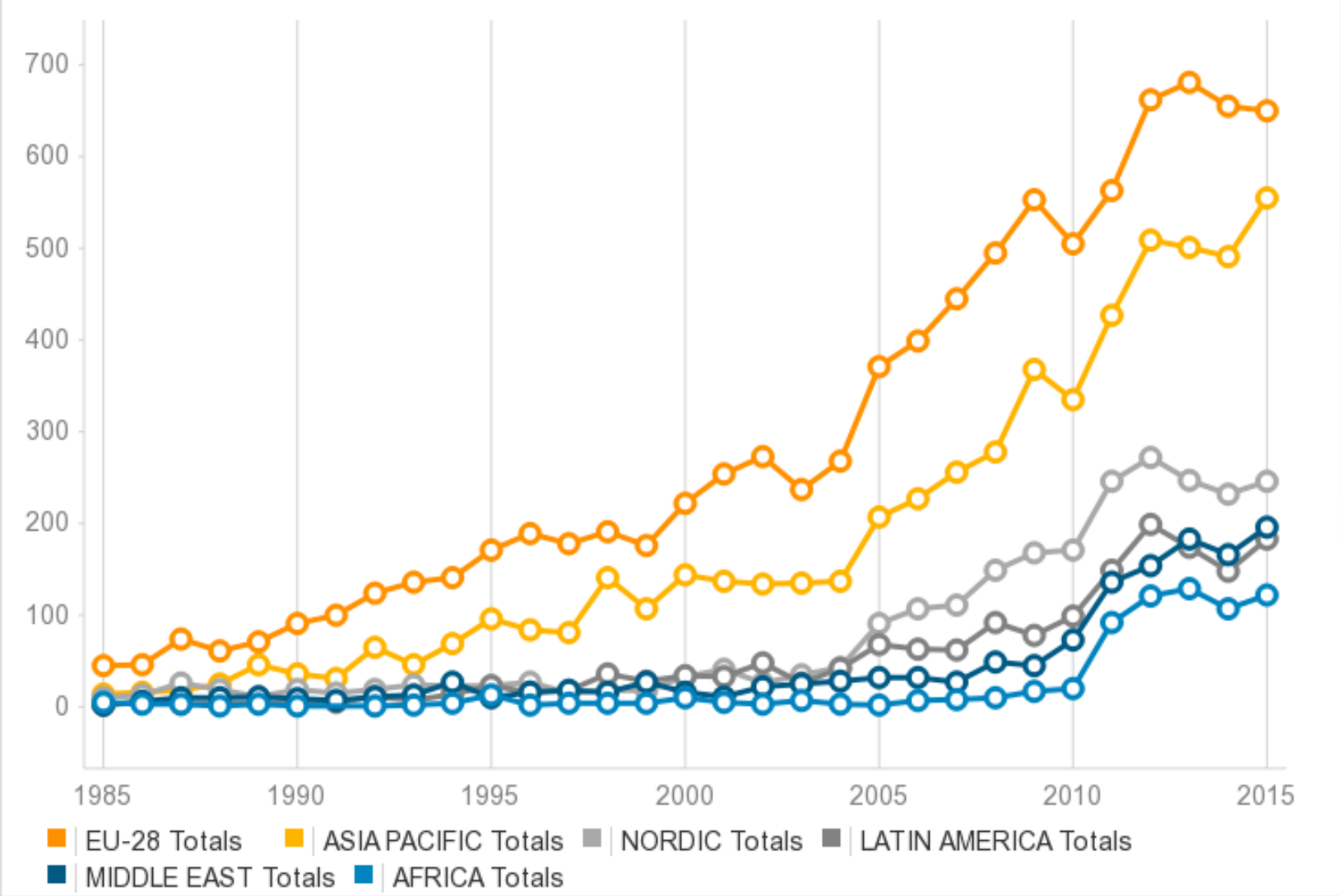

Indicators: Web of Science Documents. **Location:**NOT OECD Totals,NOT BRIC Totals,NOT EU-15 Totals,NOT EU-25 Totals,NOT ASEAN Totals.**Location Type:**Country Group.**Collaborations with Organizations:**University of Rochester.**Time Period:**1985-2015

InCites dataset updated Jan 14, 2017. Includes Web of Science™ content indexed through Dec 2, 2016. Export Date: Feb 17, 2017.

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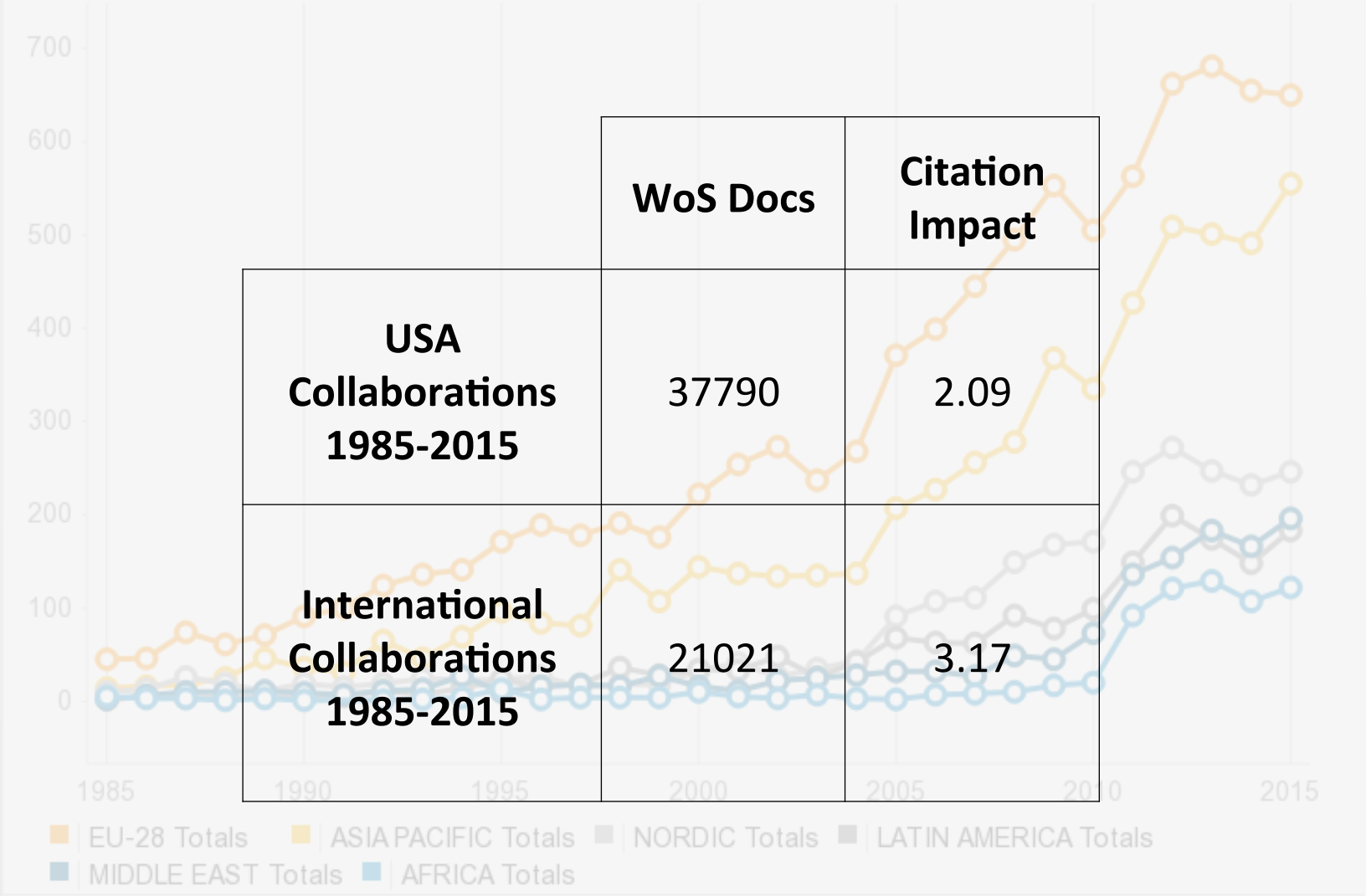
	WoS Docs	Citation Impact
USA Collaborations 1985-2015	37790	2.09
International Collaborations 1985-2015	21021	3.17



Indicators: Web of Science Documents. **Location:**NOT OECD Totals,NOT BRIC Totals,NOT EU-15 Totals,NOT EU-25 Totals,NOT ASEAN Totals.**Location Type:**Country Group.**Collaborations with Organizations:**University of Rochester.**Time Period:**1985-2015

InCites dataset updated Jan 14, 2017. Includes Web of Science™ content indexed through Dec 2, 2016. Export Date: Feb 17, 2017.

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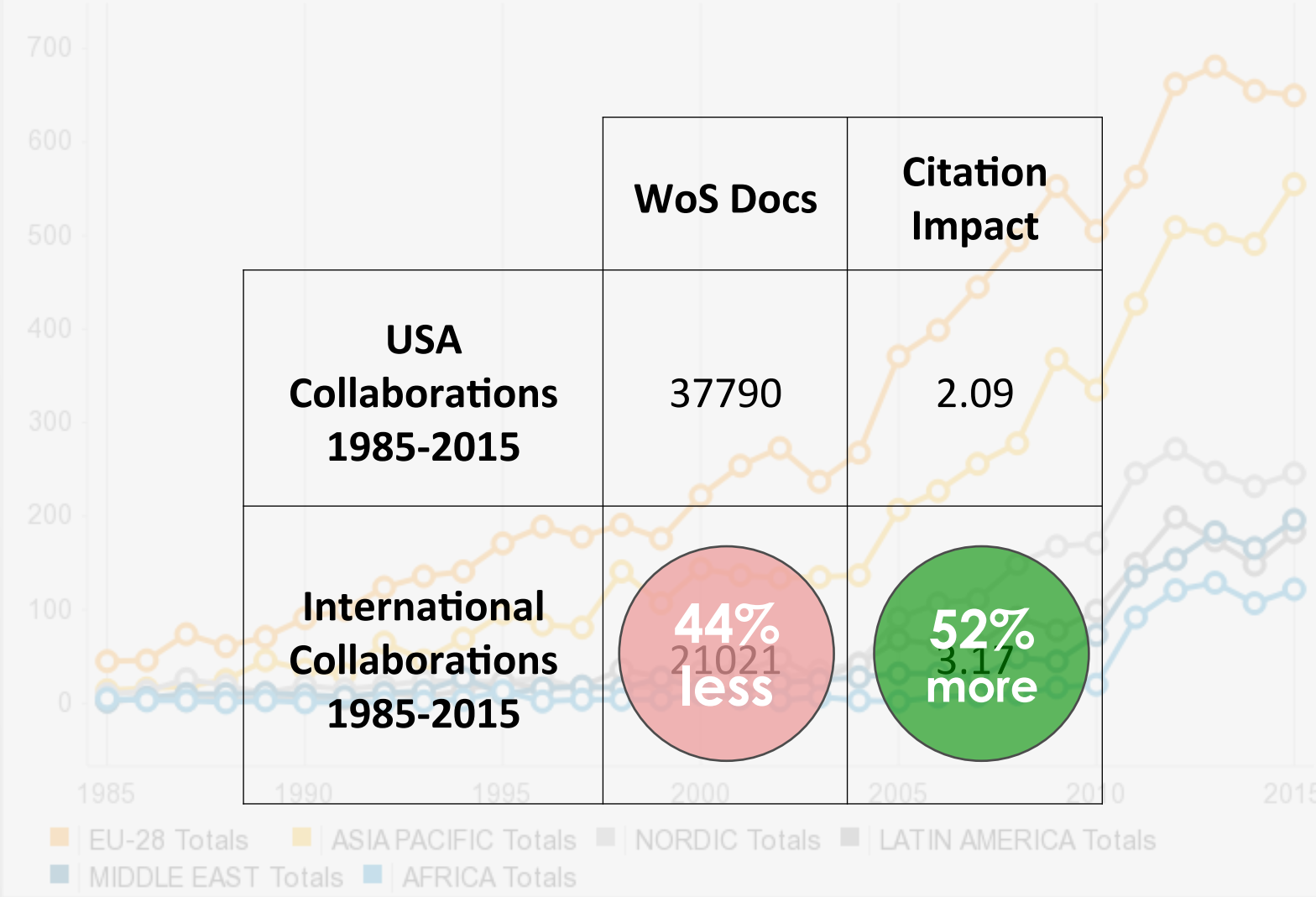
	WoS Docs	Citation Impact
USA Collaborations 1985-2015	37790	2.09
International Collaborations 1985-2015	44% less 21021	52% more 3.17



Indicators: Web of Science Documents. **Location:**NOT OECD Totals,NOT BRIC Totals,NOT EU-15 Totals,NOT EU-25 Totals,NOT ASEAN Totals.**Location Type:**Country Group.**Collaborations with Organizations:**University of Rochester.**Time Period:**1985-2015

InCites dataset updated Jan 14, 2017. Includes Web of Science™ content indexed through Dec 2, 2016. Export Date: Feb 17, 2017.

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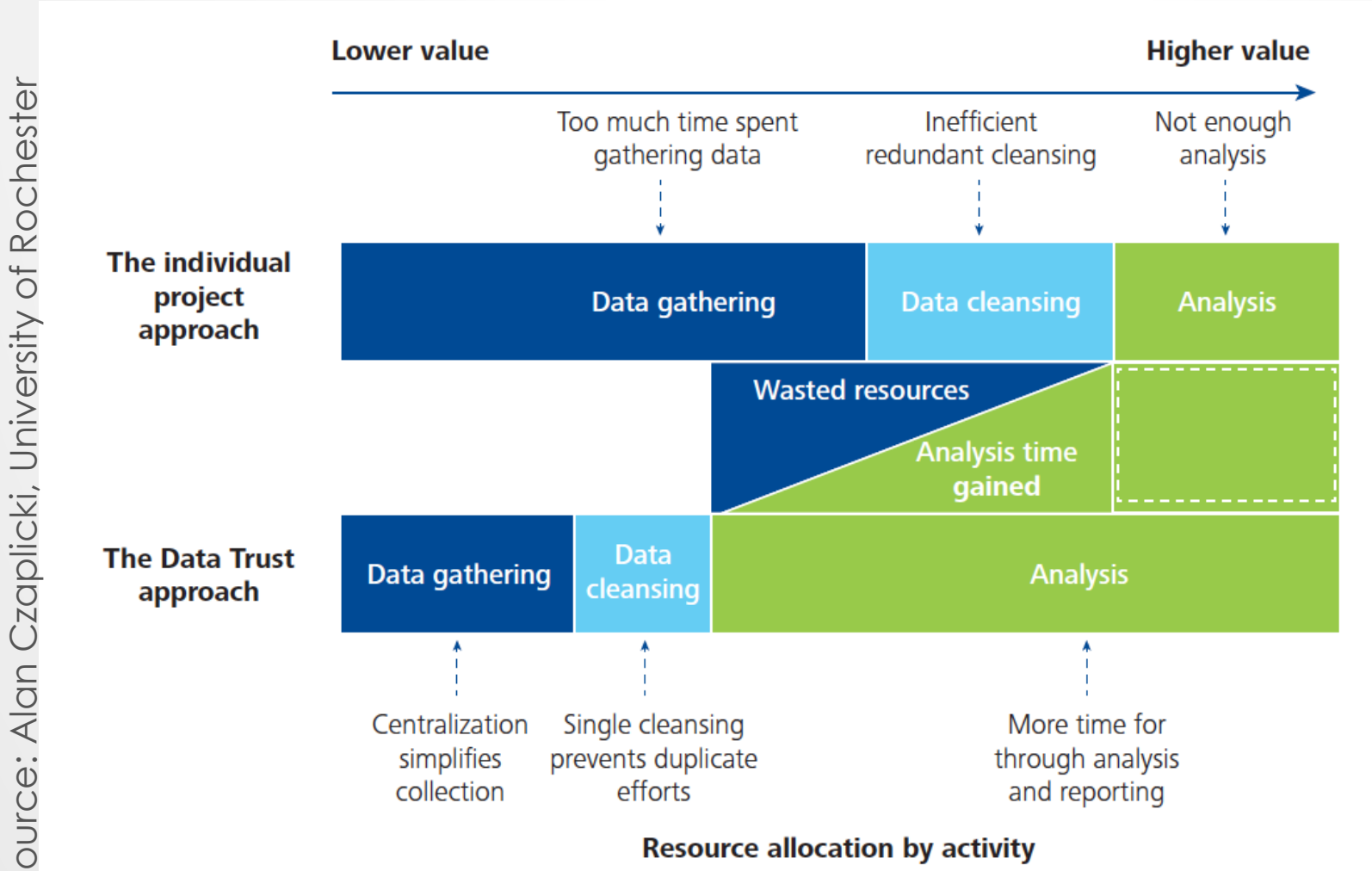
DATA GOVERNANCE & ORG TYPE



Source: Alan Czaplicki, University of Rochester

International Student Dashboard

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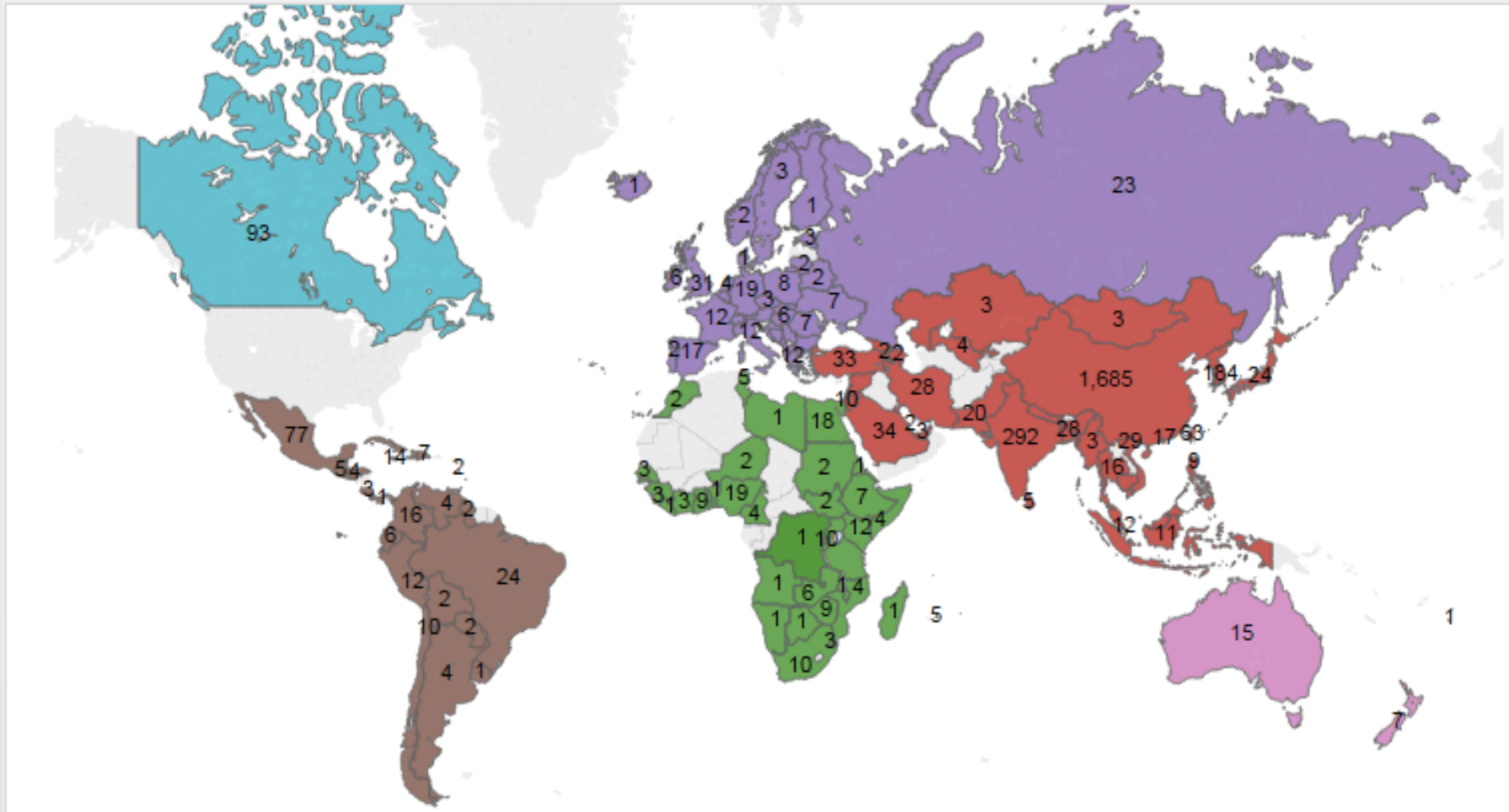
International Student Map



UN Region

(All)

UN Subregion

(All)

UN Country Name

(All)

Color Code

Region

- Africa
- Asia
- Europe
- Latin America & Caribbean
- Northern America
- Oceania

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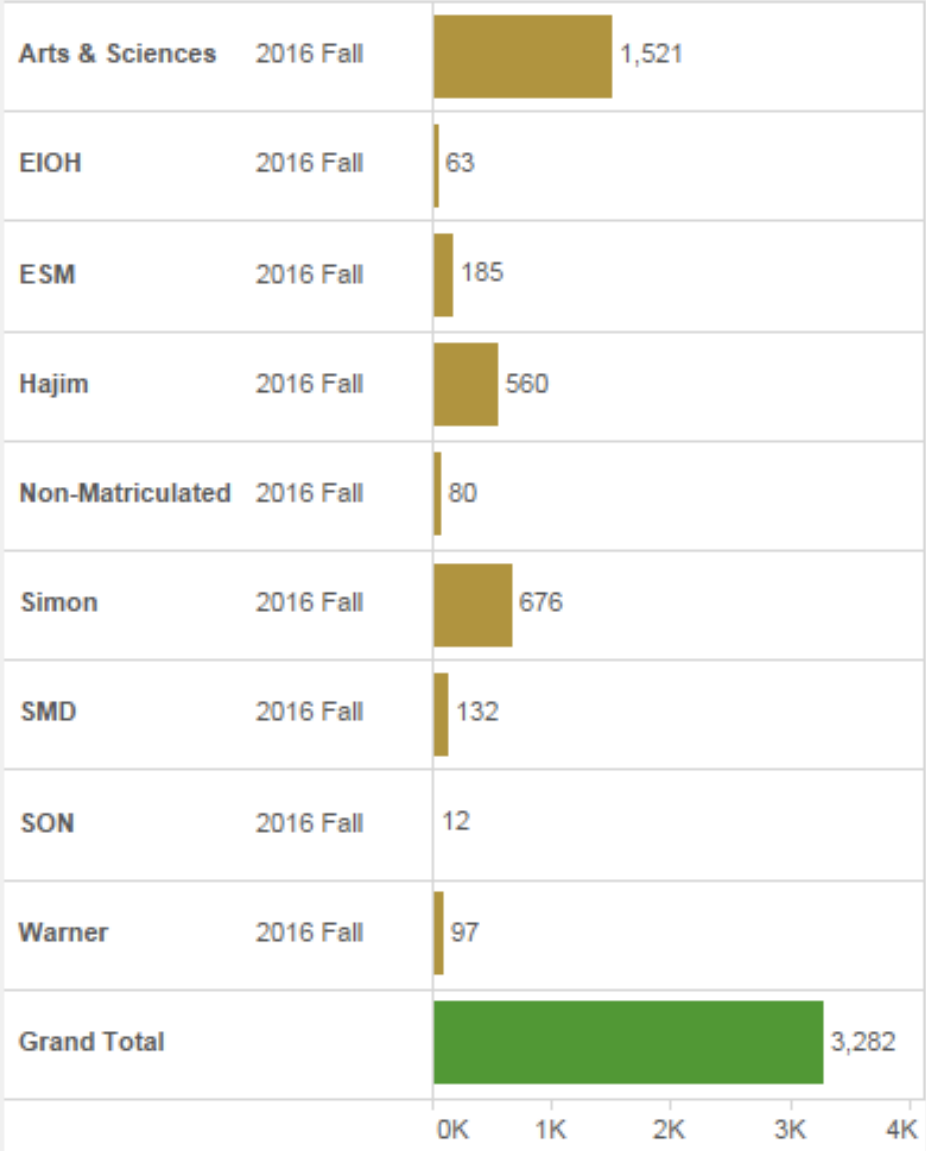
International Enrollment by Country by Term

UN Country Name	Term Set	UNDERGRAD	GRAD	MEDICAL	Grand Tot..
China	2016 Fall	804	879	2	1,685
India	2016 Fall	59	232		291
South Korea	2016 Fall	122	61		183
Canada	2016 Fall	51	41		92
Mexico	2016 Fall	58	19		77
Taiwan	2016 Fall	21	42		63
Saudi Arabia	2016 Fall	20	14		34
Turkey	2016 Fall	8	24		32
United Kingdom	2016 Fall	21	10		31
Bangladesh	2016 Fall	12	16		28
Iran	2016 Fall	5	23		28
Vietnam	2016 Fall	19	9		28
Brazil	2016 Fall	8	16		24
Japan	2016 Fall	16	8		24
Russia	2016 Fall	6	17		23
Pakistan	2016 Fall	8	12		20
Germany	2016 Fall	6	13		19
Nigeria	2016 Fall	11	8		19
Egypt	2016 Fall	9	9		18
Hong Kong	2016 Fall	8	9		17
Spain	2016 Fall	4	13		17
Colombia	2016 Fall	4	12		16

Student Detail

International Students by School



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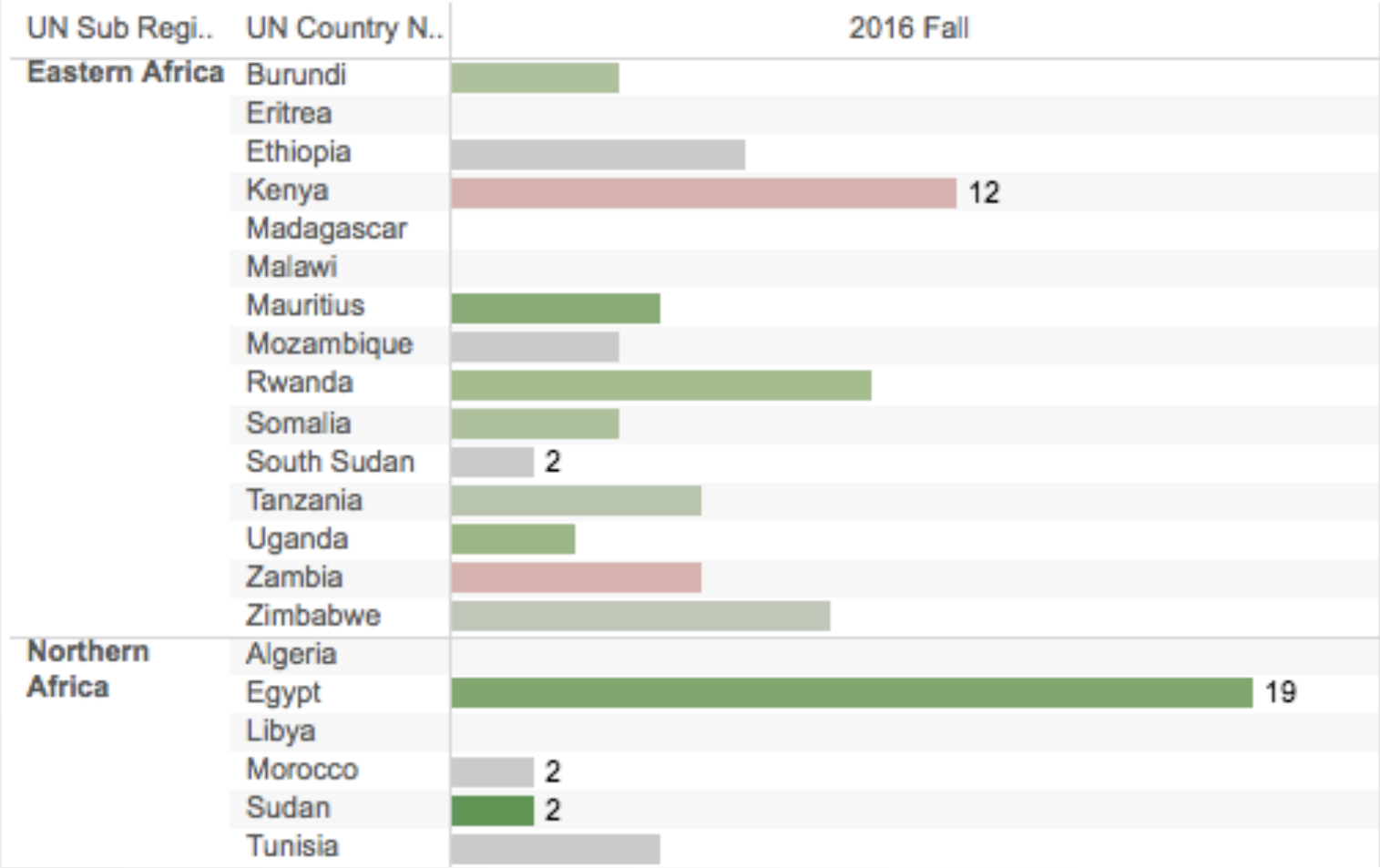
Rate of Growth for 2016 Fall

Bar Height = # of Students

Bar Color = Rate of Growth from previous Fall Term



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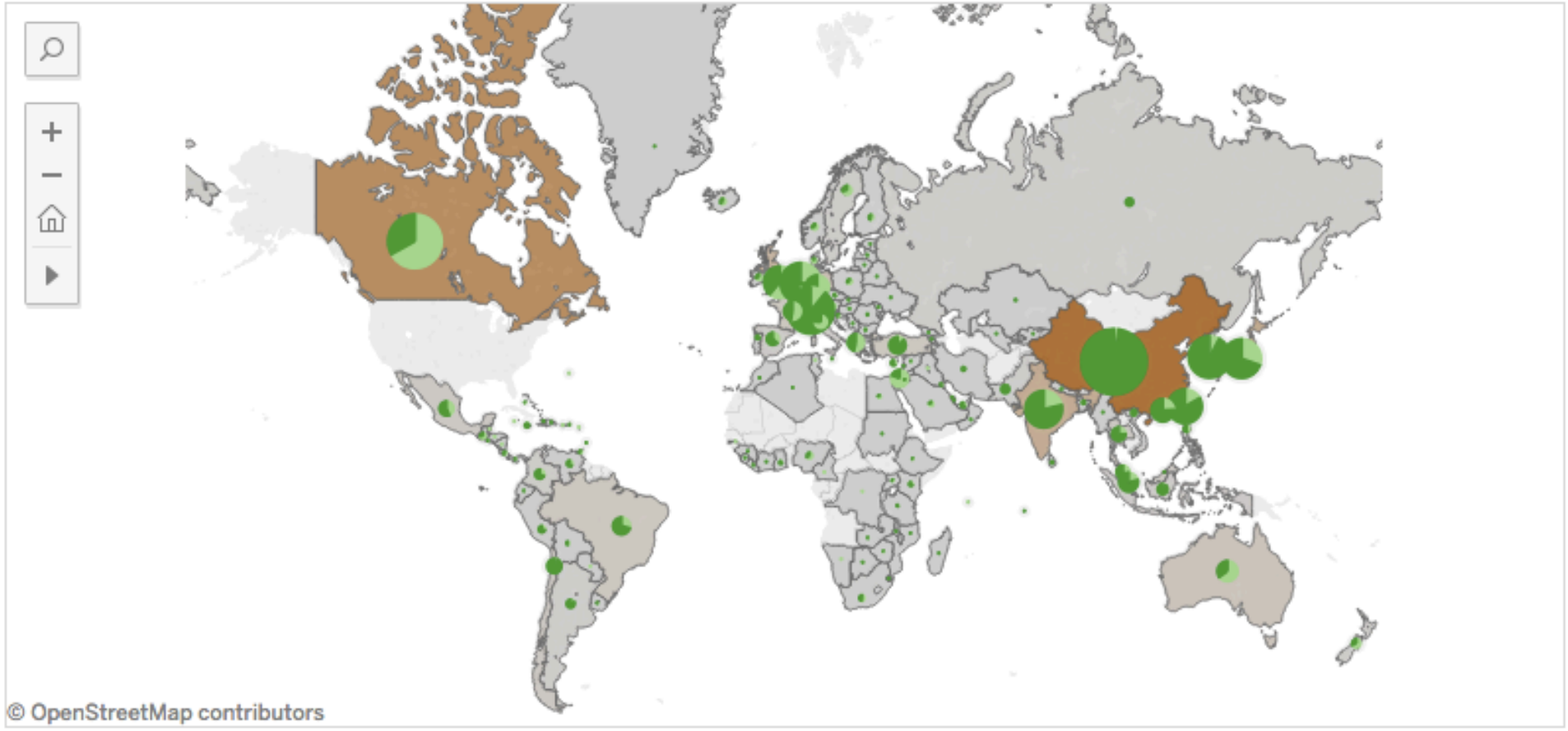
Year Filter

2016 2024



Presence Type

- [ ] (All)
- [x] Alumni
- [ ] Faculty
- [x] New Alumni
- [ ] Student

Presence Type

- Alumni
- New Alumni

Origin Un Region

- [x] (All)
- [x] Null
- [x] Africa
- [x] Asia
- [x] Europe
- [x] Latin America & Caribbean
- [x] Northern America
- [x] Oceania
- [x] Unknown

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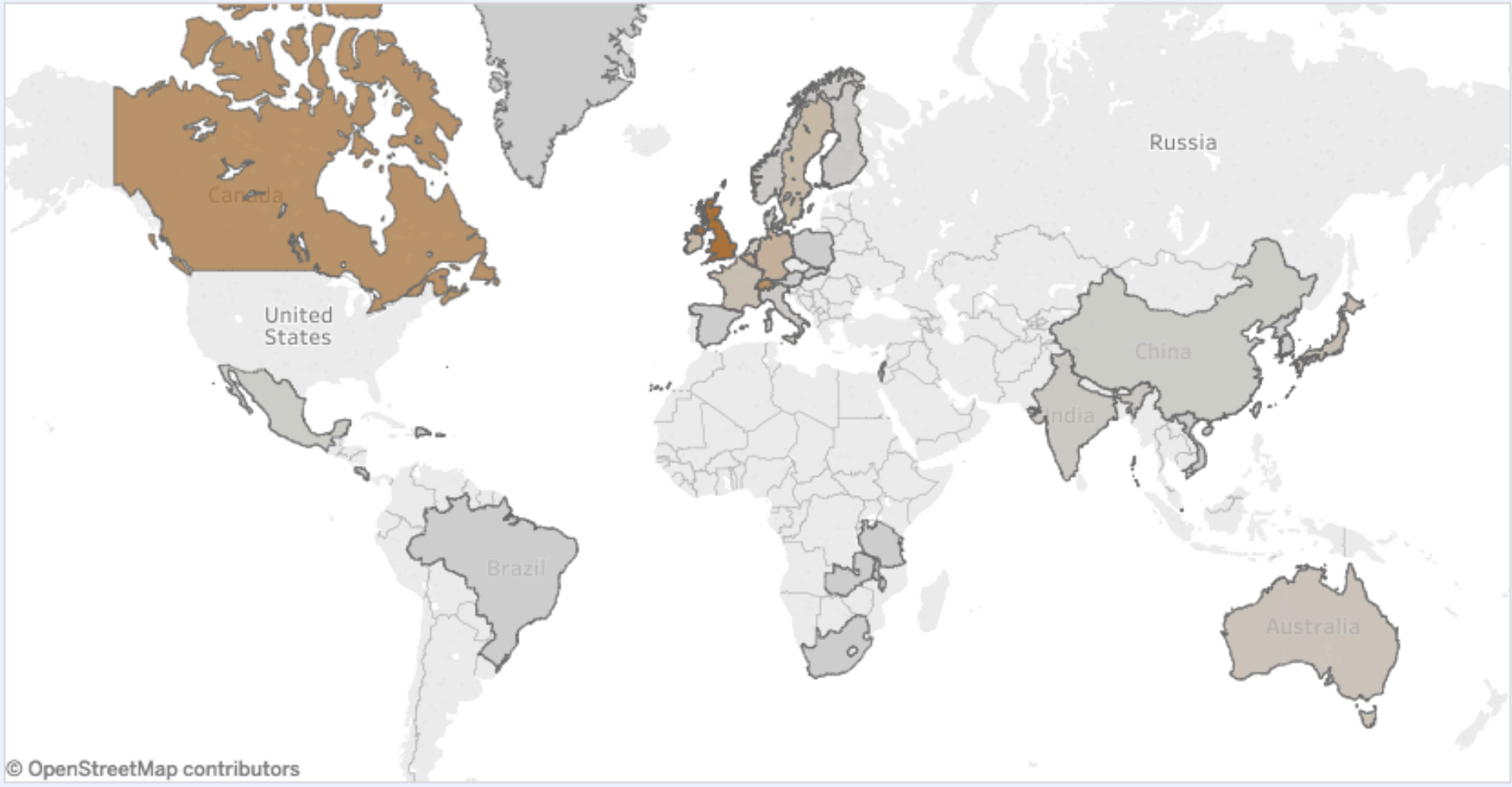
Go to Student Alumni Dashboard



Research Time Filter

- [x] (All)
- [x] Current
- [x] Future
- [x] Historic 0-5 Yrs
- [x] Historic 6-10 Yrs
- [x] Historic >10 Yrs

Location

- [x] (All)
- [x] Research
- [x] Research Sponsor

Region

(All)

Subregion

(All)

Country

- [x] (All)
- [x] Australia
- [x] Austria
- [x] Belgium
- [x] Bermuda
- [x] Brazil
- [x] Canada
- [x] China
- [x] Costa Rica

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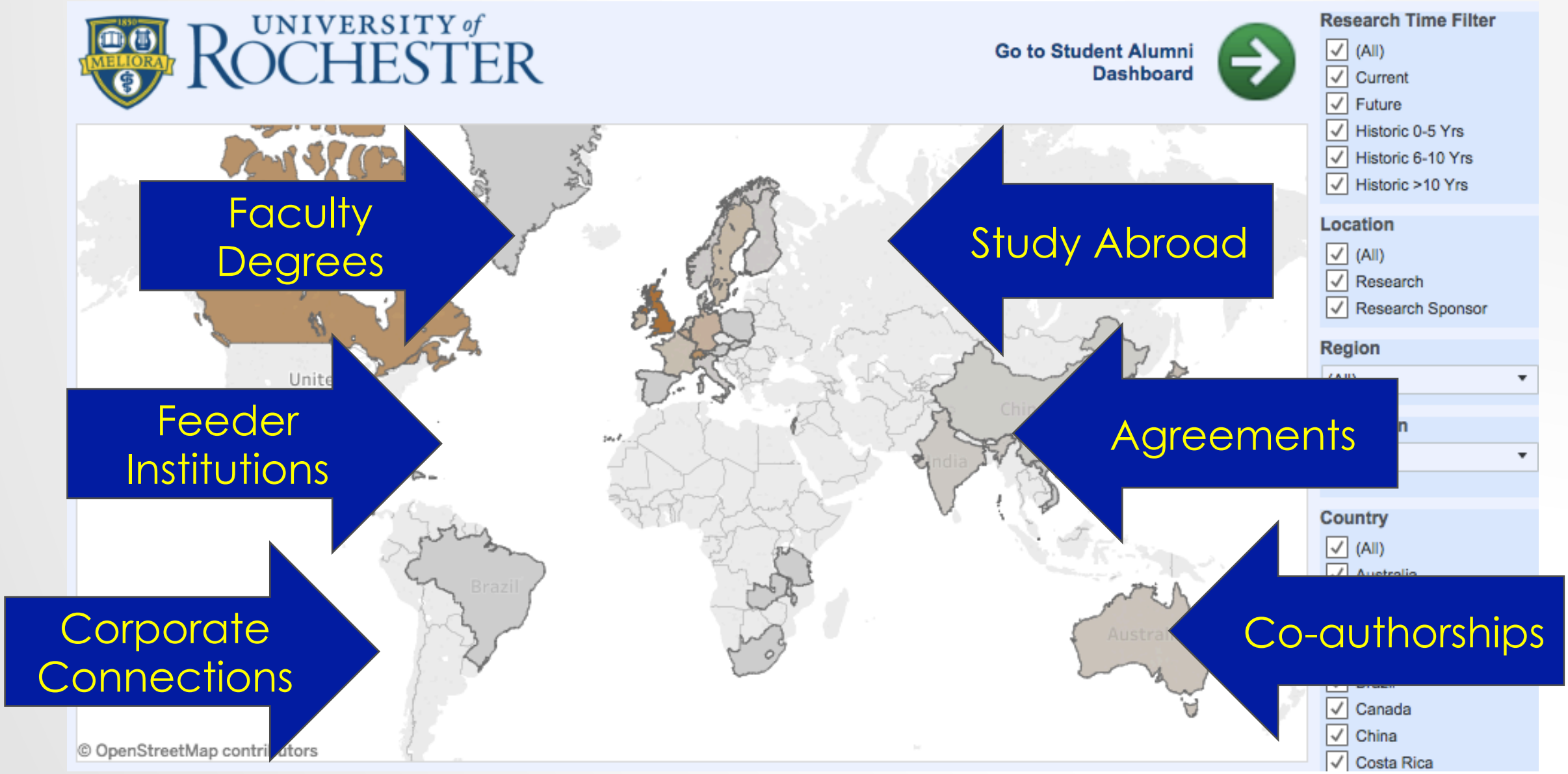

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INTERNATIONAL DATA OF INTEREST TO USF

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AGREEMENTS
The Agreements tab at the top of every page is your gateway to:
Visualizing our international agreement partners
Searching our agreement database
FACULTY & STAFF
The Faculty & Staff tab at the top of every page is your gateway to:
Viewing a global snapshot of international activity
Searching our activity database
Searching our formal education database
STUDENT MOBILITY
The Student Mobility tab is currently under development. Presently, USF World is the student gateway to:
Education Abroad programs and services
Services for international students

STRATEGIES FOR SECURING STAKEHOLDER BUY-IN ACROSS CAMPUS

- Identify key faculty, departments and programs from early data collection and create an outlet for their ideas. **Identify ambassadors** across campus.
- **Enfranchise stakeholders** into the development and implementation processes. Create a task force/workgroup and officially "charge" the group so individuals are able to document their contribution.
- Create a system or process that reflects the ideas of stakeholders – **Listen!**
- **Make it easy.** Design a system that is user friendly. Pre-populate faculty/staff profiles or activities to relieve faculty/staff burden.
- **Partner** with your IT professionals and other units with data or knowledge such as HR, Travel, Research, among others. Encourage "investment" in the project from a diverse coalition of units.

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STRATEGIES FOR SUSTAINING STAKEHOLDER BUY-IN ACROSS CAMPUS

- What's in it for me? Why should I invest time and energy into this initiative?

FACULTY

- Demonstrate **usefulness**: grant proposals, award nominations, annual review and promotion, mechanism to connect with peers on campus, and a tool to recruit graduate students
- Allow faculty to take **ownership** of their information/profiles. Encourage linkages to department websites and social media sites
- Create **opportunities** for student learning and the development of workforce skills through courses—e.g. computer science engineering, marketing, education
- Invest in **sustained outreach** to expand awareness and usage across campus.

ADMINISTRATION

- Highlight institutional global footprint and role global activities play in **institutional metrics** *"USF is a global research university dedicated to student success."*

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Home | Agreements | Faculty & Staff | Summary

USF WORLD UNIVERSITY OF SOUTH FLORIDA

Table | Map | Information

SEARCH AGREEMENTS

Reset search

239 agreements with **213** partners in **56** countries.

Click any number below for more information.

Snapshot | Table | Map | Formal Education | Languages | My Profile | Information

PROFESSIONAL ENGAGEMENT SNAPSHOT

20 people with **355** activities in **67** locations. Disclaimer

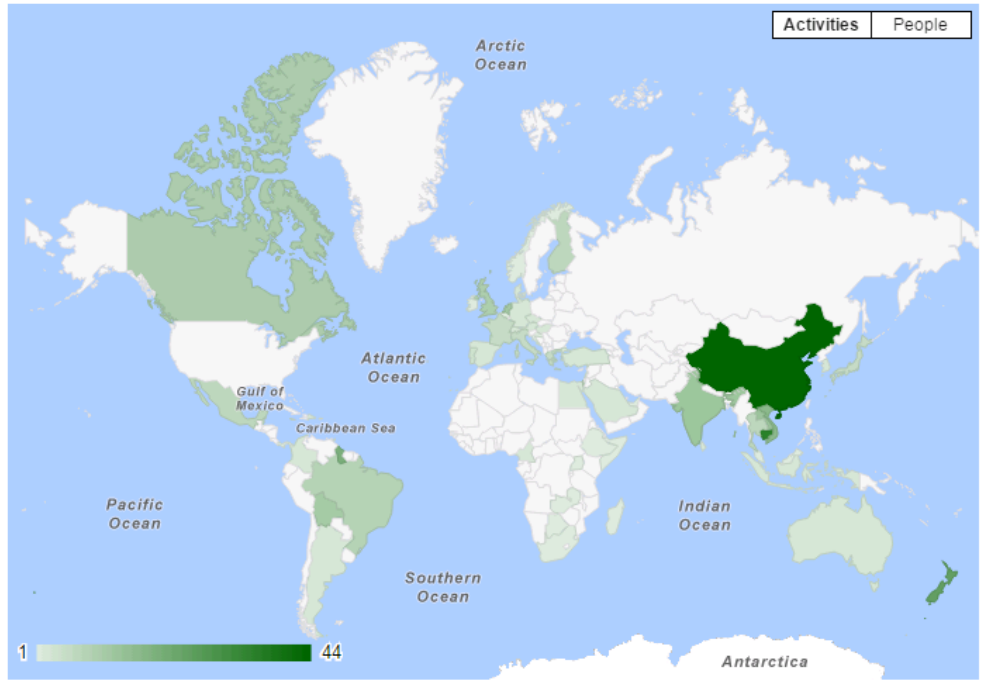
Click a location for more information.

Global View

USF Tampa

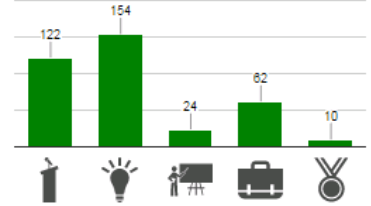
College of Engineering

Department of Civil and Environ



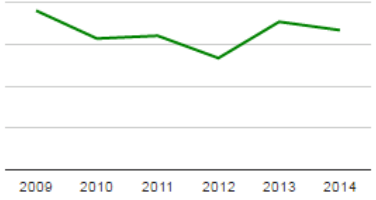
Activities by type See People

EVERYWHERE Click the map for more info



Activities Trend See People

EVERYWHERE Click the map for more info



Trend data is updated as information becomes available.

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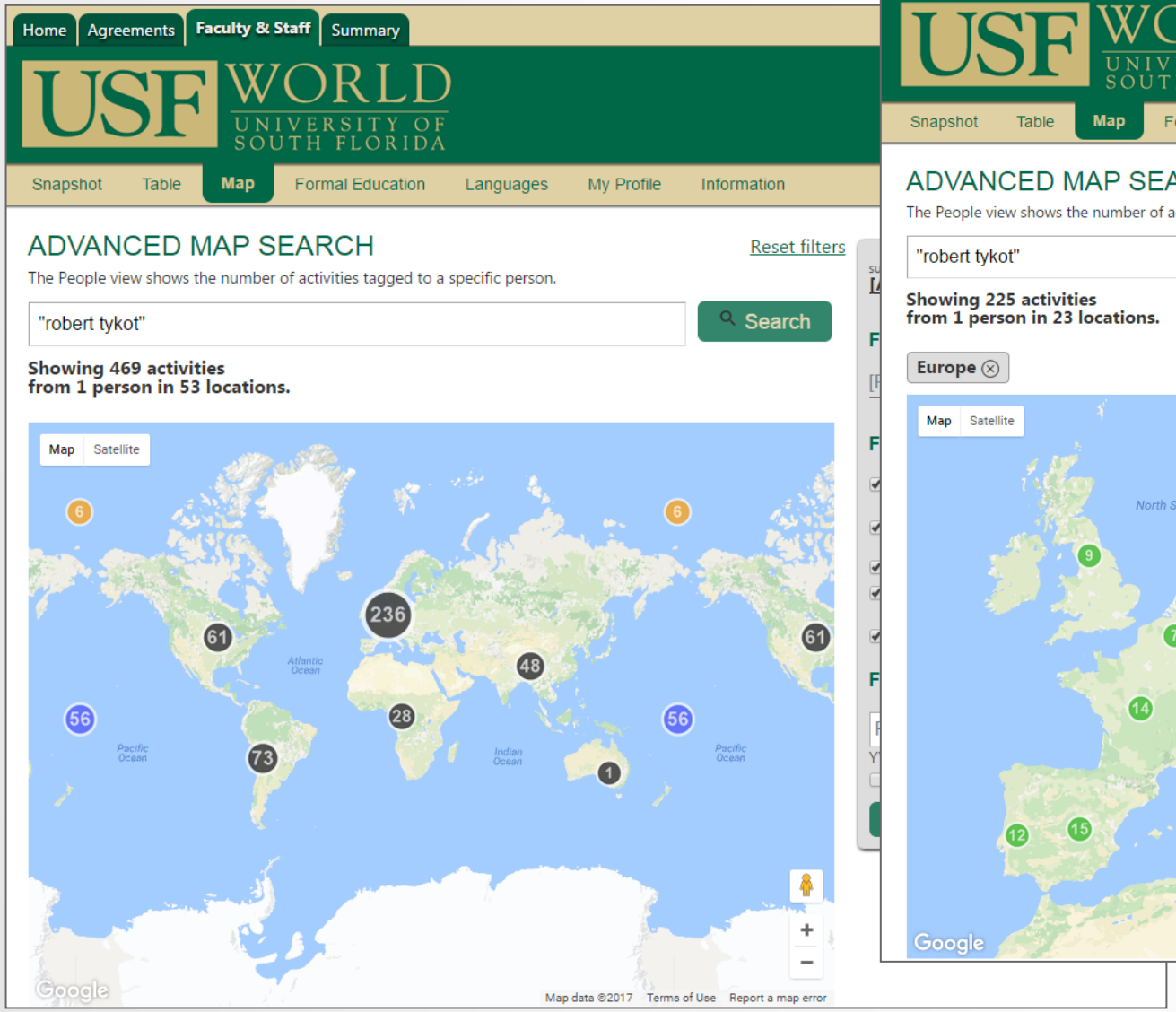

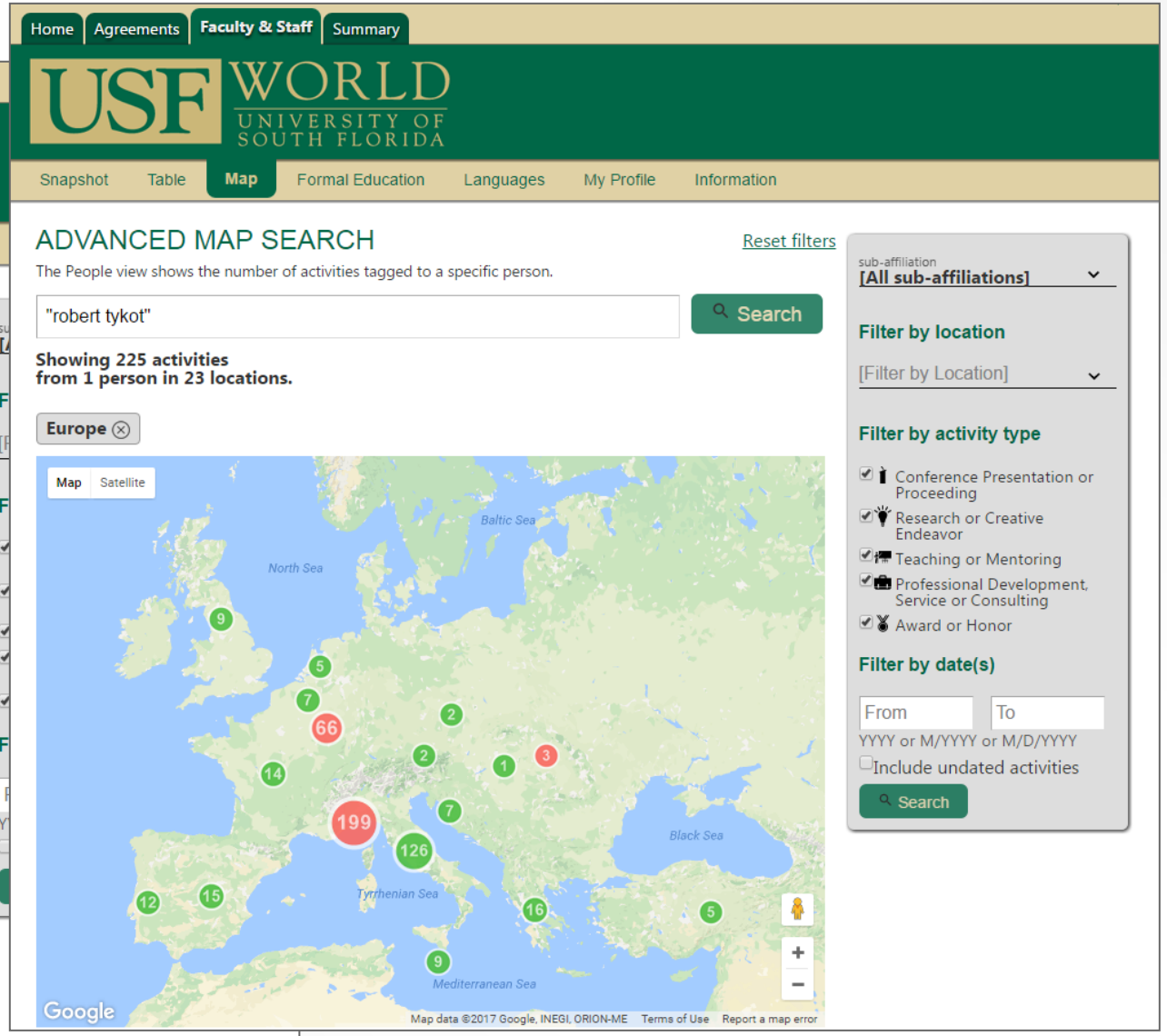

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A GLOBALLY ENGAGED RESEARCH UNIVERSITY

BRAZIL

COUNTRY ENGAGEMENT BRIEF

ABOUT USF

The University of South Florida (USF) is a high-impact, global, research university dec
the Carnegie Foundation for the Advancement of Teaching in the top tier of research
percent of all universities. The University ranks 41st in the nation for federal expendi
or private, according to the National Science Foundation, and received more than $4
The USF System has an annual operating budget of $1.7 billion, an annual economic
students in Tampa, St. Petersburg, and Sarasota-Manatee.

ABOUT USF WORLD

USF World leads the University's engagement with the world by providing resources
community to function as global leaders and global stewards. The goals of USF Worl
globalize student success, enhance global initiatives within the university system an
community. USF contributes to solutions for the world's most pressing challenges. Vi
about the strategy for USF World and USF's global activities.

USF AGREEMENTS

There are **15** international partnership agreements between USF and **14** institutions
These include: Brazil Cultural; Centro Universitário de Volta Redonda—Unif
Oswaldo Aranha—FOA; G100 Latin America, LLC; Instituto Cultural Steve B
entifico e Tecnológico da PUCRS (TECNOPUC); Pontificia Universidade Catol
University (UNESP); Universidade Estadual de Campinas, Universidade Fede
de Janeiro; and Universidade Feevale.

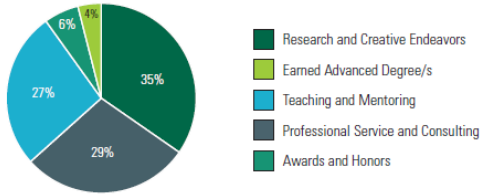
FACULTY ENGAGEMENT

120 faculty are engaged with Brazil.*

72 are involved in one or more of the following: research and creative endeavors, advanced degree/s, professional service and consulting, awards and honors.

48 have been involved solely through conference participation in Brazil.

FACULTY ENGAGEMENT IN BRAZIL



*Note: Faculty may appear in more than one category and are from USF's main campus in Tampa only. Conference presentations are not represented in the chart.

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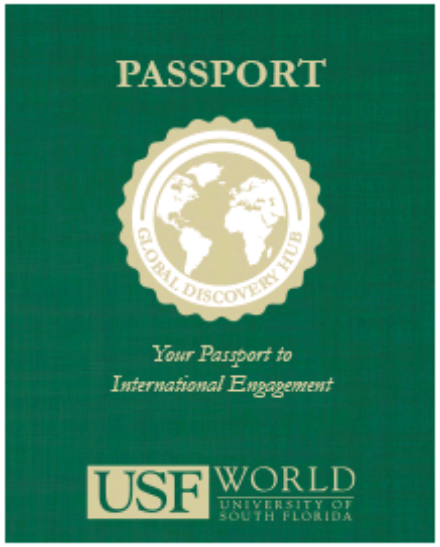

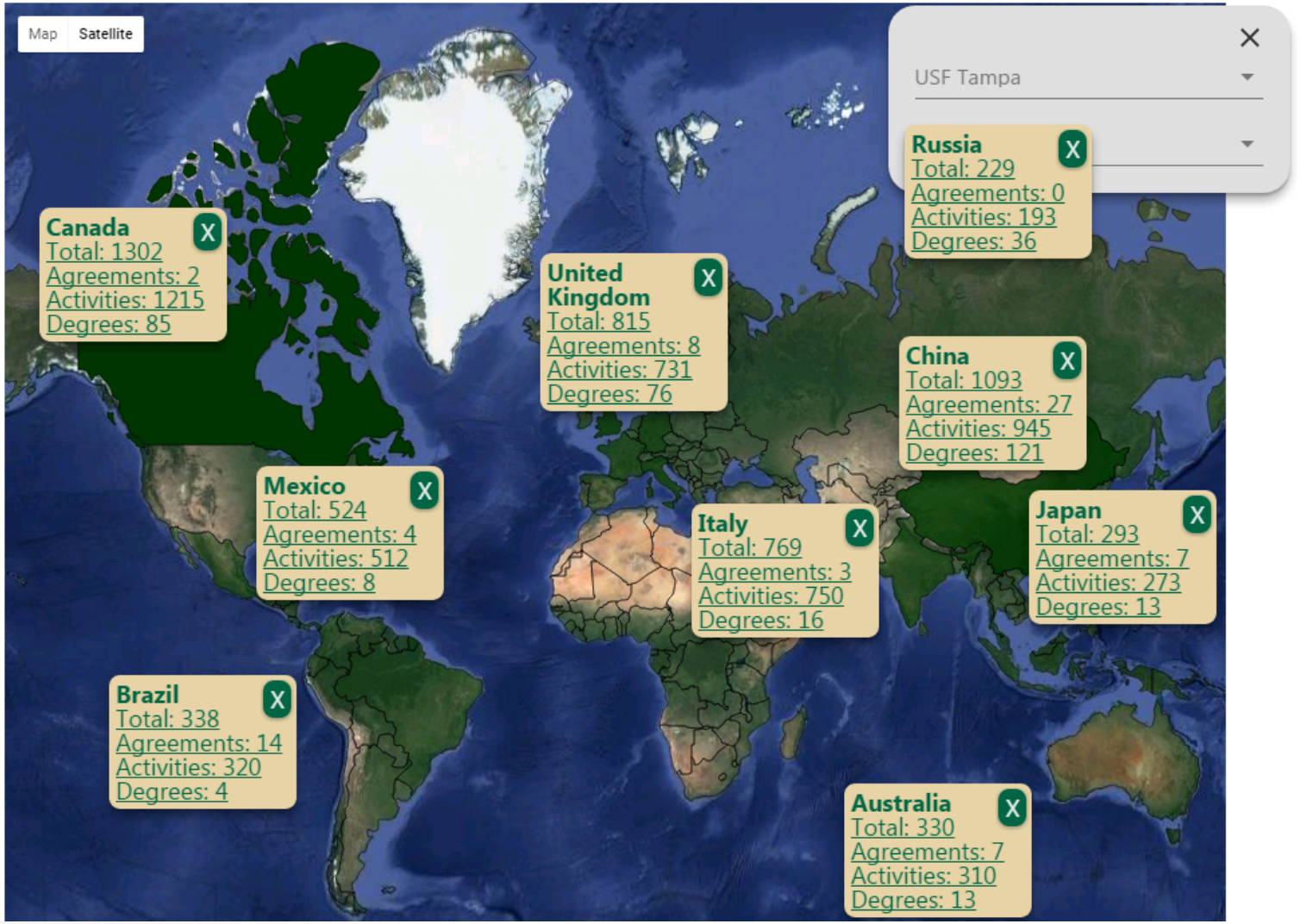

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Welcome to MSU's Corporate Partnership Database

Search, Refine, & Download

Text Mode

View MSU's corporate partnership in a responsive table. Filter the data and download it as CSV or Excel file.

Go

Map Mode

View MSU's corporate partnership on a map and refine your search using a geospatially aware environment.

Go

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dsiweb.msu@gmail.com

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(517) 353-1908

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524 S. Shaw Lane, Room 230,
East Lansing, MI 48824

Michigan State University, Decision Support & Informatics ©

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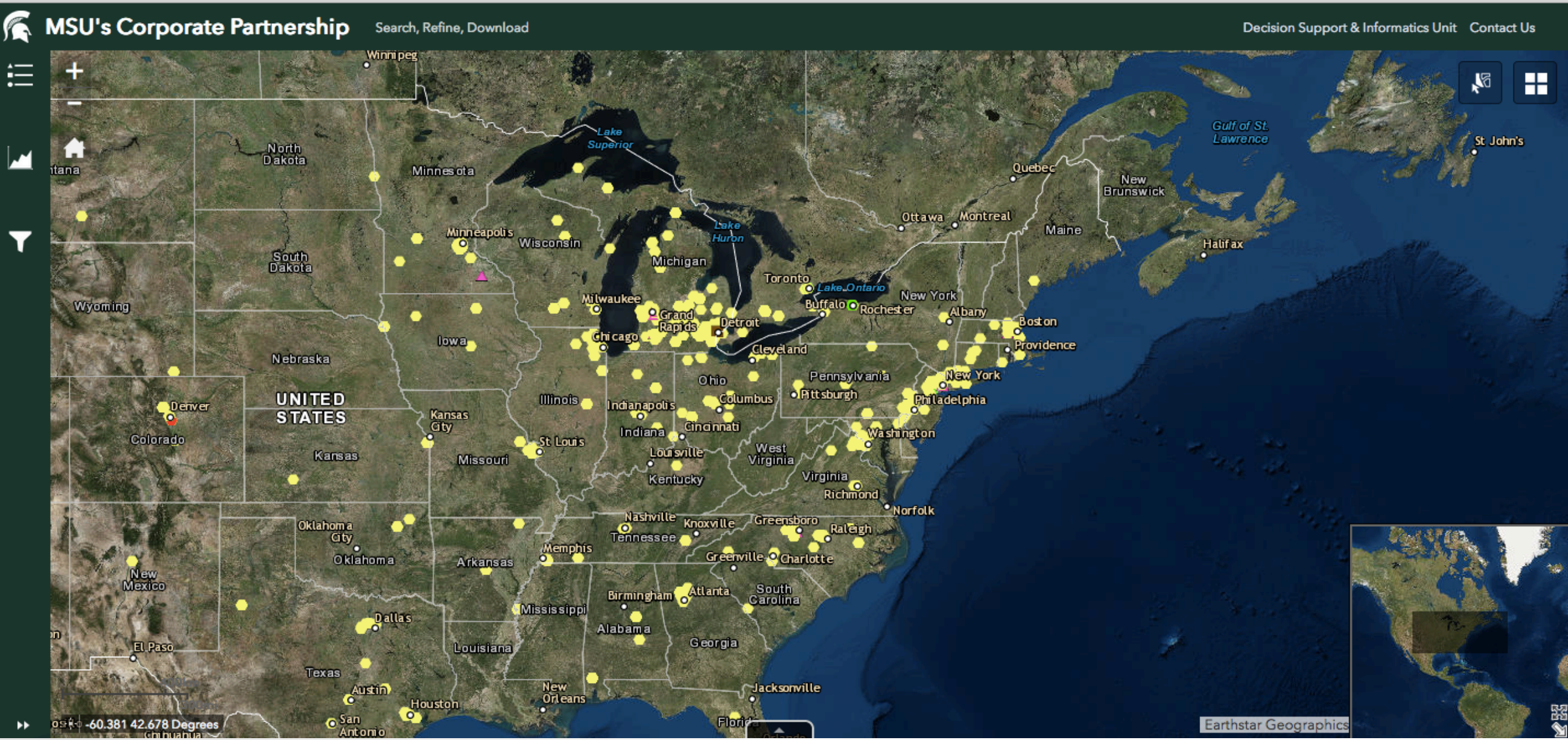

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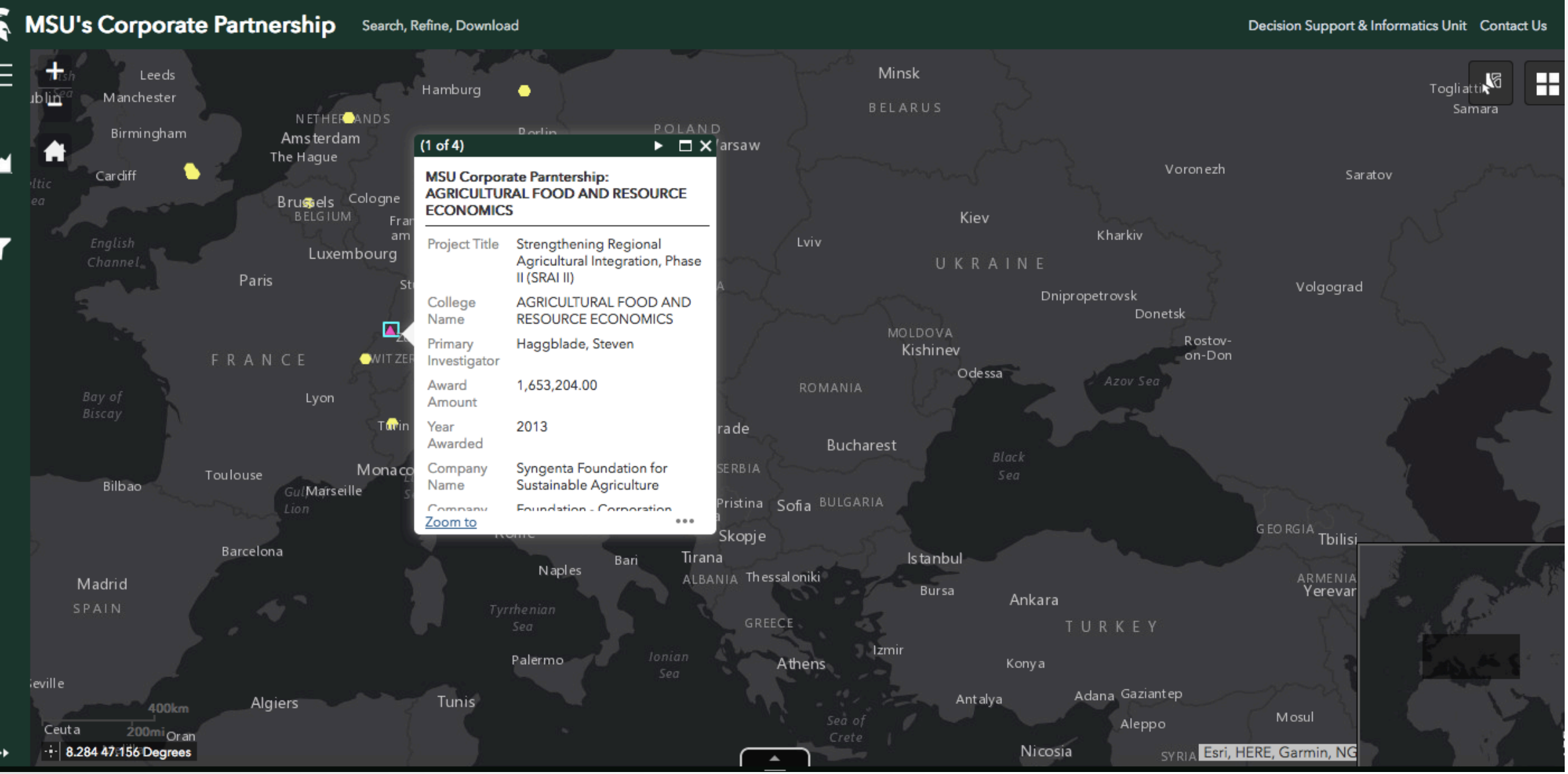

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Welcome to MSU's Corporate Partnership Database

Search, Refine, & Download

Export to CSV | Export to Excel | Hide/Show Columns

Search: health

Previous 1 2 3 4 5 ... 32 Next

Project Title	College Name	Primary Investigator	Award Amount	Year Awarded	Company Name	Company Type	Industry Type

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USF UNIVERSITY OF SOUTH FLORIDA

MICHIGAN STATE UNIVERSITY

Filter

All Conditions must be met

Primary investigator is

Choose the primary investigator (Leave empty for any)

Award amount is between

and

Choose the award amount (Leave empty for any)

Year awarded is between

2010 and 2016

Choose the year awarded (Leave empty for any)

College name is

Choose the college name (Leave empty for any)

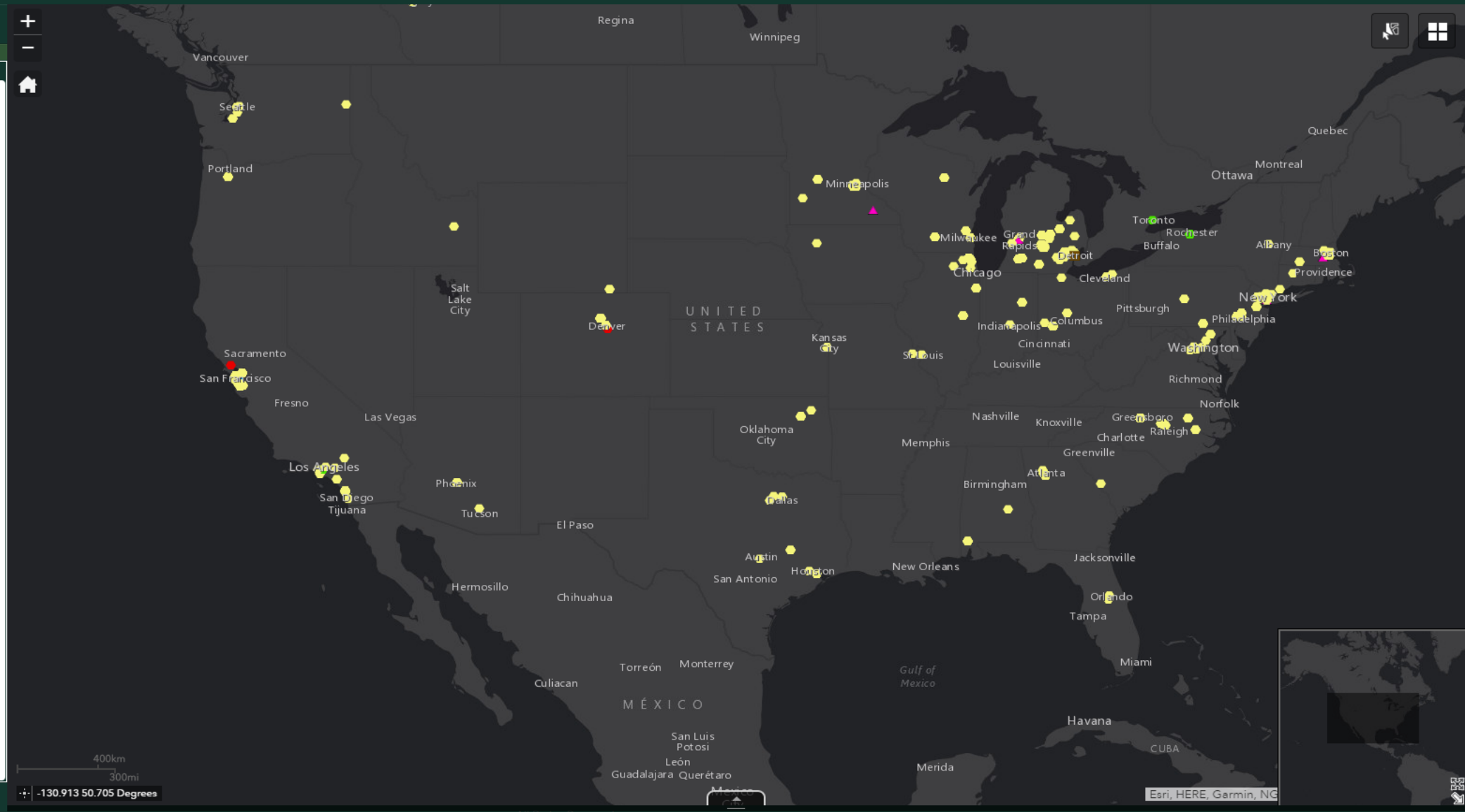
Company type is

Choose the company type (Leave empty for any)

Company name is

Choose the company name (Leave empty for any)

Apply



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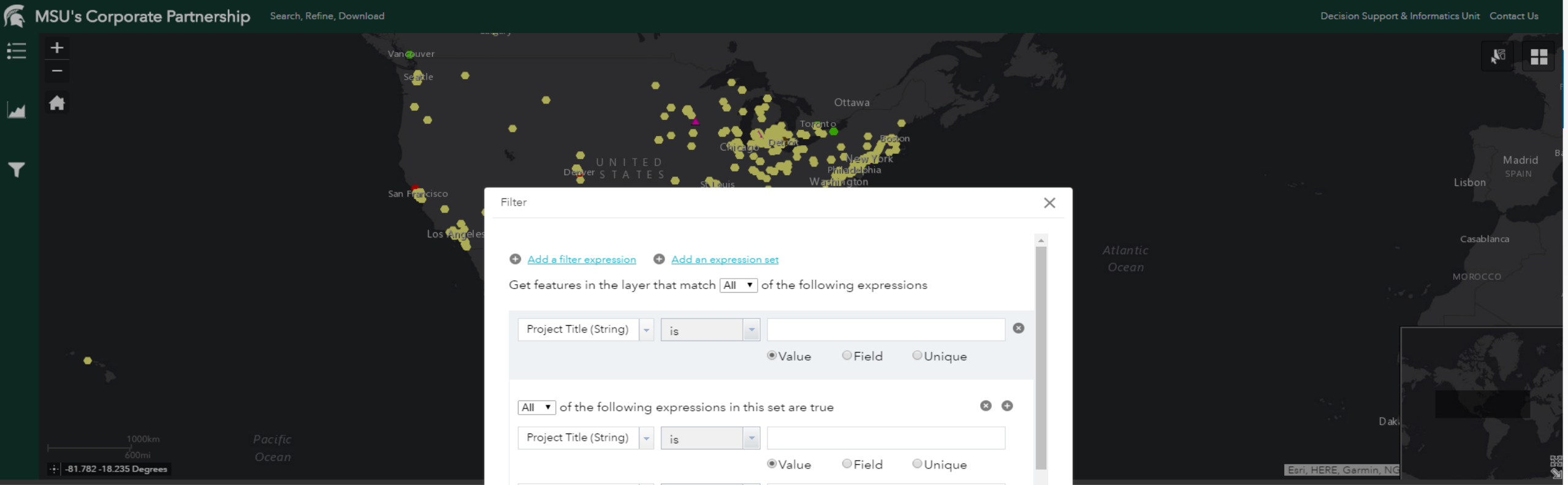

MSU Corporate Parntership

Options | Filter by Map Extent | Zoom to | Clear Selection | Refresh

Project Title	College Name	Primary Investigator	Av				Industry Type	Company Website	Company Address
#03-585 Prospective Multi-Center Evaluation of the Duration of Therapy for Thrombosis in Children (the "Kid's DOTT" Trial)	PEDIATRICS AND HUMAN DEVELOPMENT	Kulkarni, Roshni	4,[illegible]		OF COLORADO		Industry	https://www.cu.edu/regents/	1800 Grant St # 800, Denver, CO 80203
10 YEAR PROSPECTUS FOR LONG TERM EDUCATION AND RESEARCH PROJECTS FOR ORTHOPAEDIC FELLOWS AT MSUCOM	OSTEOPATHIC SURGICAL SPECIALTIES	Ross, Herbert	120,000.00	2002	STRYKER ENDOSCOPY	Corporation - For Profit	Industry	http://www.stryker.com	2825 Airview Boulevard,Kalamazoo, MI ,49002 USA
1996 FESTIVAL OF MICHIGAN FOLKLIFE	MUSEUM	Macdowell, Marsha	1,000.00	1996	PUBLIC SECTOR CONSULTANTS	Corporation - For Profit	Industry	http://www.pscinc.com/	230 N Washington Square #300, Lansing, MI 48933

423 features 0 selected

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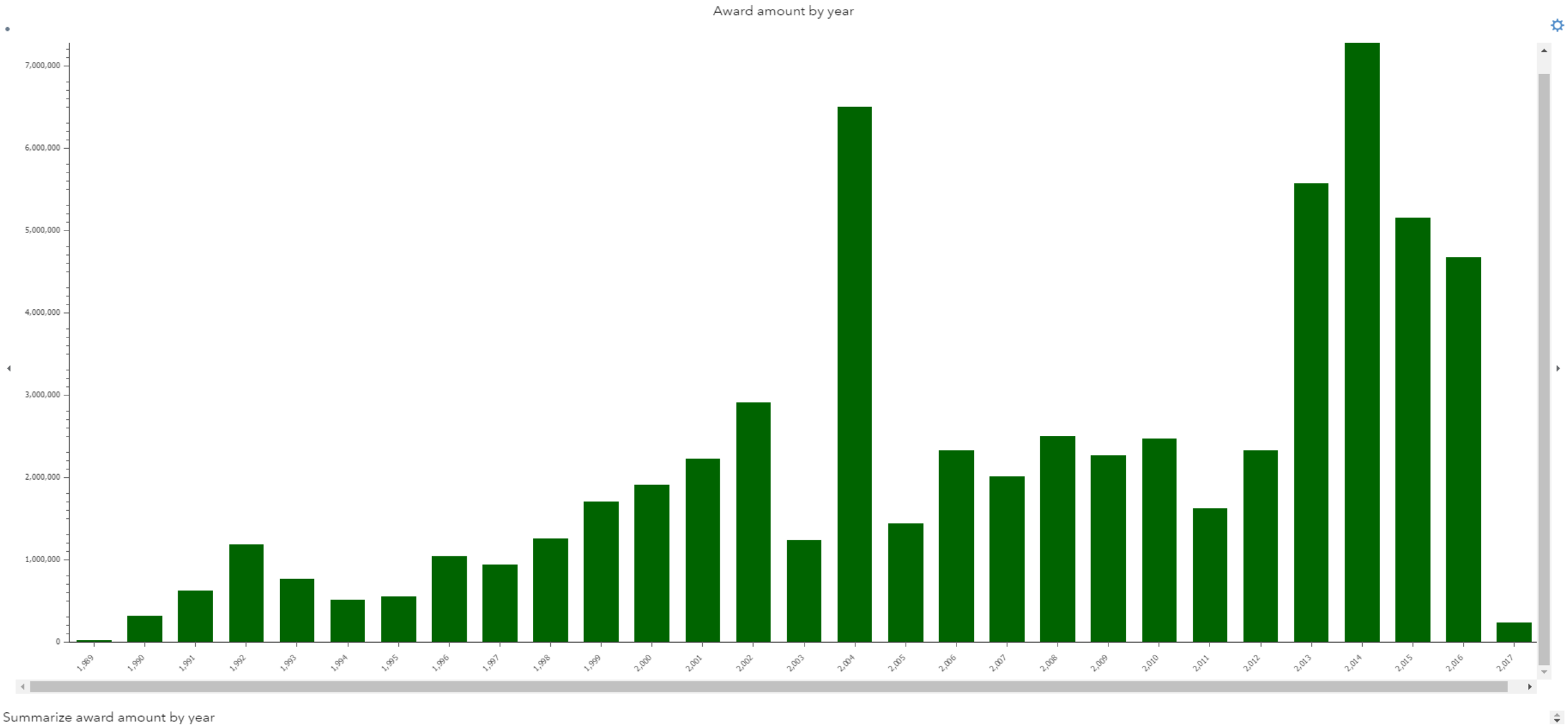
Chart



Summarize award amount by year

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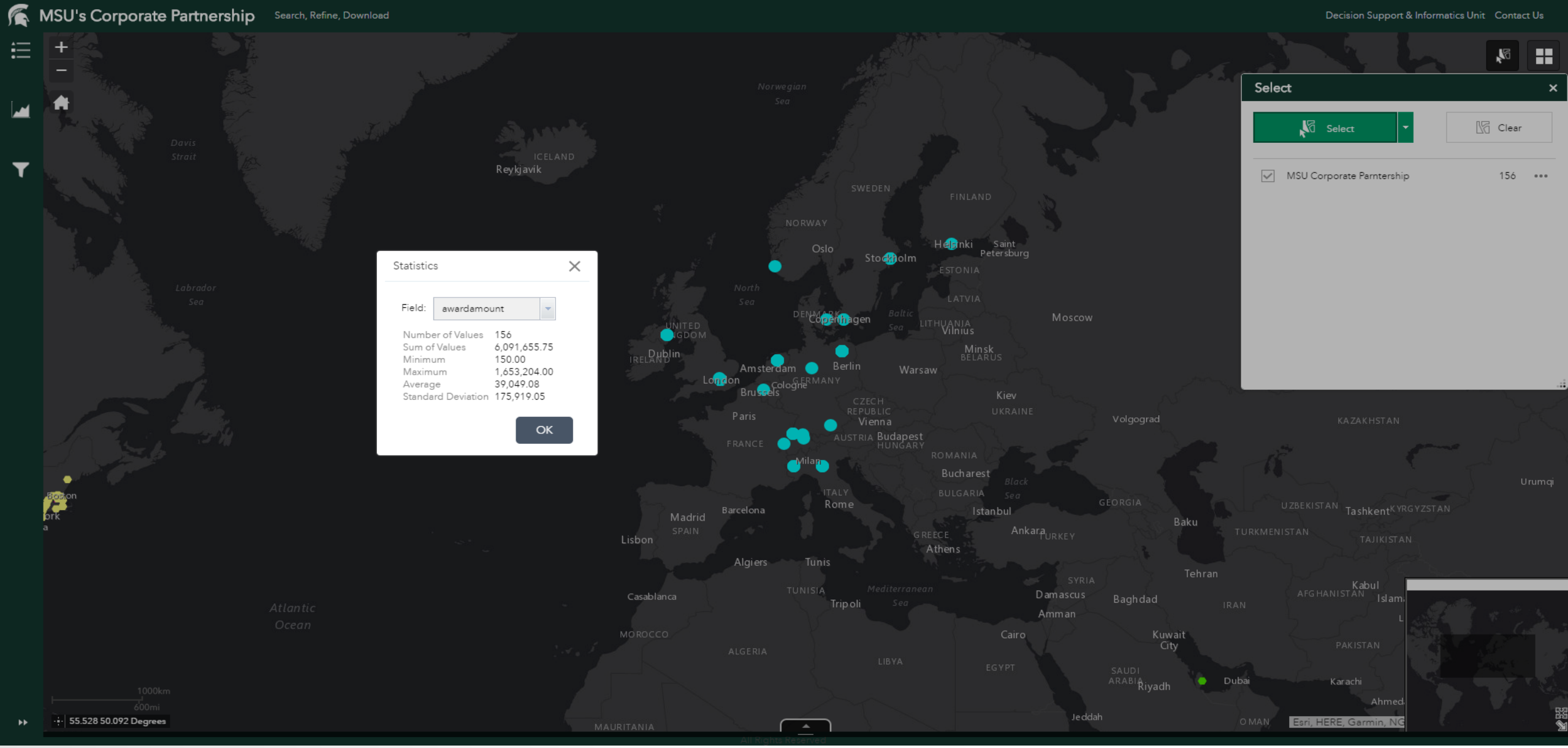

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DISCUSSION

- How would you approach getting started on your own campus?
- What is your data environment like? Campus culture around data organization?
- Where is reporting done?

THANK YOU

- Jane Gatewood – jane.gatewood@rochester.edu
- Kiki Caruson - kcaruson@usf.edu
- Mary Anne Walker - mawalker@egr.msu.edu

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