Major Topics to Share

- Faculty and Student Awards and Recognitions

- New Faculty and the Ongoing Cluster Hiring

- New Teaching and Research Support Initiatives to Onboard Early-Career Faculty

- Institutional Data of Interest: Demographics and Graduation Rates

- Opportunities for Enrollment Growth: Arrival of the Hybrid Era and Dual-Enrollment Between ESF and OCC

- Collegewide Strategic Planning, Branding and Timelines

Faculty Awards and Recognitions

Dr. Douglas Johnston
Landscape Architecture
SUNY Distinguished Service Professor

Tyler Dorholt (MFA)
Div. Interdisciplinary Programs
Promoted to Tenure-Track Assistant Professor

Dr. David Newman
Sustainable Res. Management
2022 Soc. of Am. Foresters Fellow
2022 Philip J Haddock Award for Service to the Ranger School

Dr. Lemir Teron
Environmental Studies
Richard P. Nathan Pub. Policy Fellow Rockefeller Institute of Government

Dr. Ivan Gitsov
Chemistry
Fulbright Scholar Award

Faculty & Staff Awards and Recognitions

SUNY Chancellor's Award recipients listed from left to right:

Dr. John Farrell
Environmental Biology
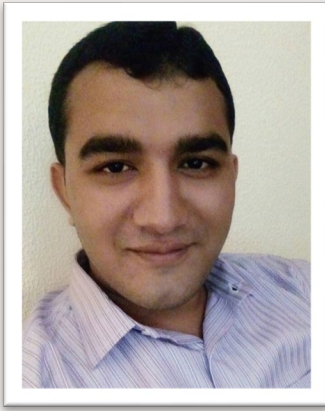*Excellence in Scholarship and Creative Activities*

Ms. Maren King
Landscape Architecture
Excellence in Faculty Service

Ms. Maura Stefl
ESF in the High School
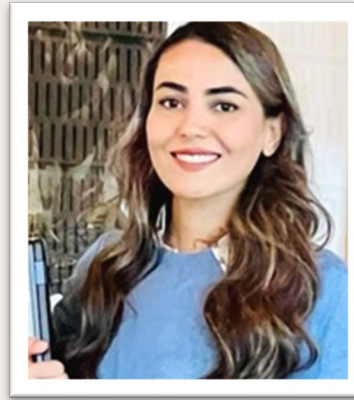*Excellence in Professional Service*

Dr. Stephen Shaw
Environmental Resources Engineering
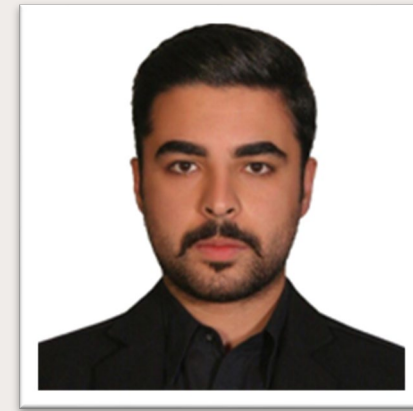*Excellence in Teaching*

Student Awards and Recognitions

Atif Ali (MS Student)
Sustainable Res. Management
2022 Farnsworth Fellow

Maryam Saffari Amam (PhD Student)
Environmental Resources Engineering
Research Scholarship – Compost Research & Education Foundation

Shayan Mirzabeigi (PhD Candidate)
Sustainable Resources Management
2022 Farnsworth Fellow

Christian Bright (Undergrad Student)
Environmental Resources Engineering
William F. Porter Research Fellowship and Society of Wetland Scientists Biogeochemistry Research Grant

Ashley Carter (Undergrad Student)
Sustainable Resources Management
SAF National Student Leadership Award

Alicia Fahrner (Undergrad Student)
Landscape Architecture
National Award: 2022 Douglas Dockery Thomas Fellowship in Garden History & Design; Garden Club of America

Bridget Maloney (Undergrad Student)
Landscape Architecture
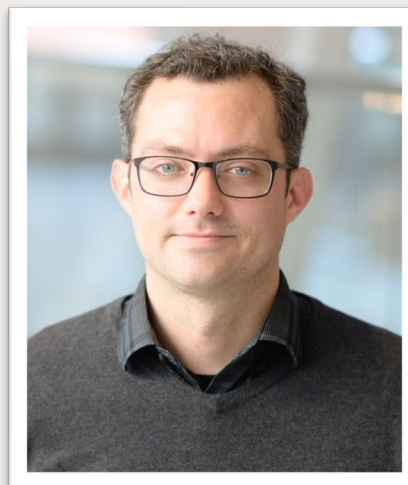SUNY Chancellor's Award for Student Excellence

New Faculty

Dr. Emily Arsenault
Environmental Biology
Lotic Ecology, Dir. CLBS

Dr. Christopher Briggs
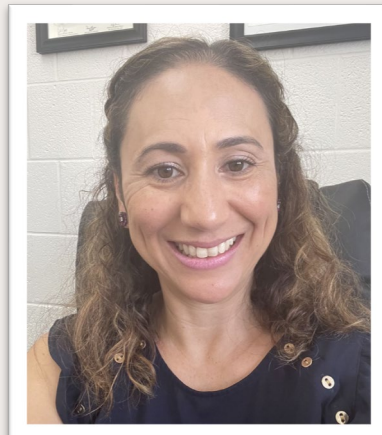**Environmental Biology**
Avian Population Biology

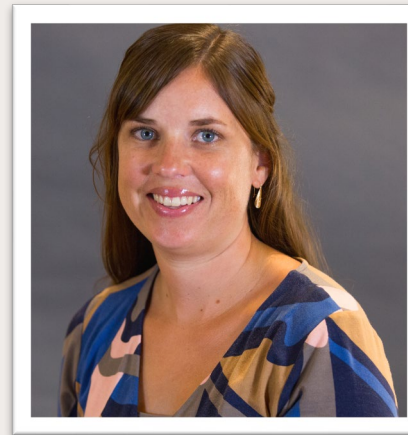Dr. Dan Cronan
Landscape Architecture
Urban Sustainability

Dr. Patrice Kohl
Environmental Studies
Env. Communication

Dr. Shannon Lynch
Environmental Biology
Forest Pathology

Dr. Ericka Redmond
Chemical Engineering
Paper Engineering

Dr. Jamie Shinn
Environmental Studies
Human Geography

Dr. Andy Vander Yacht
Sustainable Res. Management
Silviculture

2022-2023 Faculty Cluster Hiring Update

Water Science
- **CHEM**: Aquatic Biochemistry **8/01/22**
- **EB**: Aquatic Cellular & Mol. Biology **8/01/22**
- **ERE**: Water-Quality Modeler **8/15/22**
- **EST**: Water Policy and Governance
- **SRM**: Applied Hydrologist **8/15/22**

Bioeconomy
- **SRM**: Landscape Simulation Modeler **9/26/22**
- **SRM**: Natural Resource Economist **9/19/22**
- **SRM**: Soil Carbon Cycling Scientist **10/03/22**
- **SRM**: Carbon in the Built Environment **10/10/22**
- **CHE**: Chem/Bioresources/Ag Engineer **9/12/22**

Indigenous Environmental Science
- **EB** or **SRM**: Ethnoecologist
- **EST**: Environmental Justice
- **EB**: Biocultural Restoration

Urban Sustainability
- **DLA**: Climate Adaptive Design
- **DLA**: Spatial Determinants of Health
- **CHEM**: Atmospheric Chemistry
- **EST**: Climate Justice

Legend and Font Colors

Blue: Offer Made and Accepted

Purple: Offer Made But Deferred

Red: Offer Made and Declined

Black: Search in Progress

Bold: Department Name

8/01/22: Application Deadline

CCAP Orientation/Mentoring Activities

- **Research success**: proposal writing; time management; engagement with non traditional research funding sources (e.g. BNL)

- **Classroom success**: classroom etiquette; creating a positive and supportive environment to foster student success

- **Mentoring graduate students**: graduate committee processes; supporting grad students for success

- Managing **workload balance**

- Importance of **policy**/STEM integration

New Research Development Director

- Starting October 2022 – Funded by SUNY for 5 years

- New role and capacity for ESF:
  - Mentor early-career faculty in grant-making
  - Support research clusters
  - Facilitate large, multi-PI proposals
  - Diversify funding portfolio
  - Build institutional partnerships

Carbon & Bio-Economy

Water Science

Urban Sustain-ability
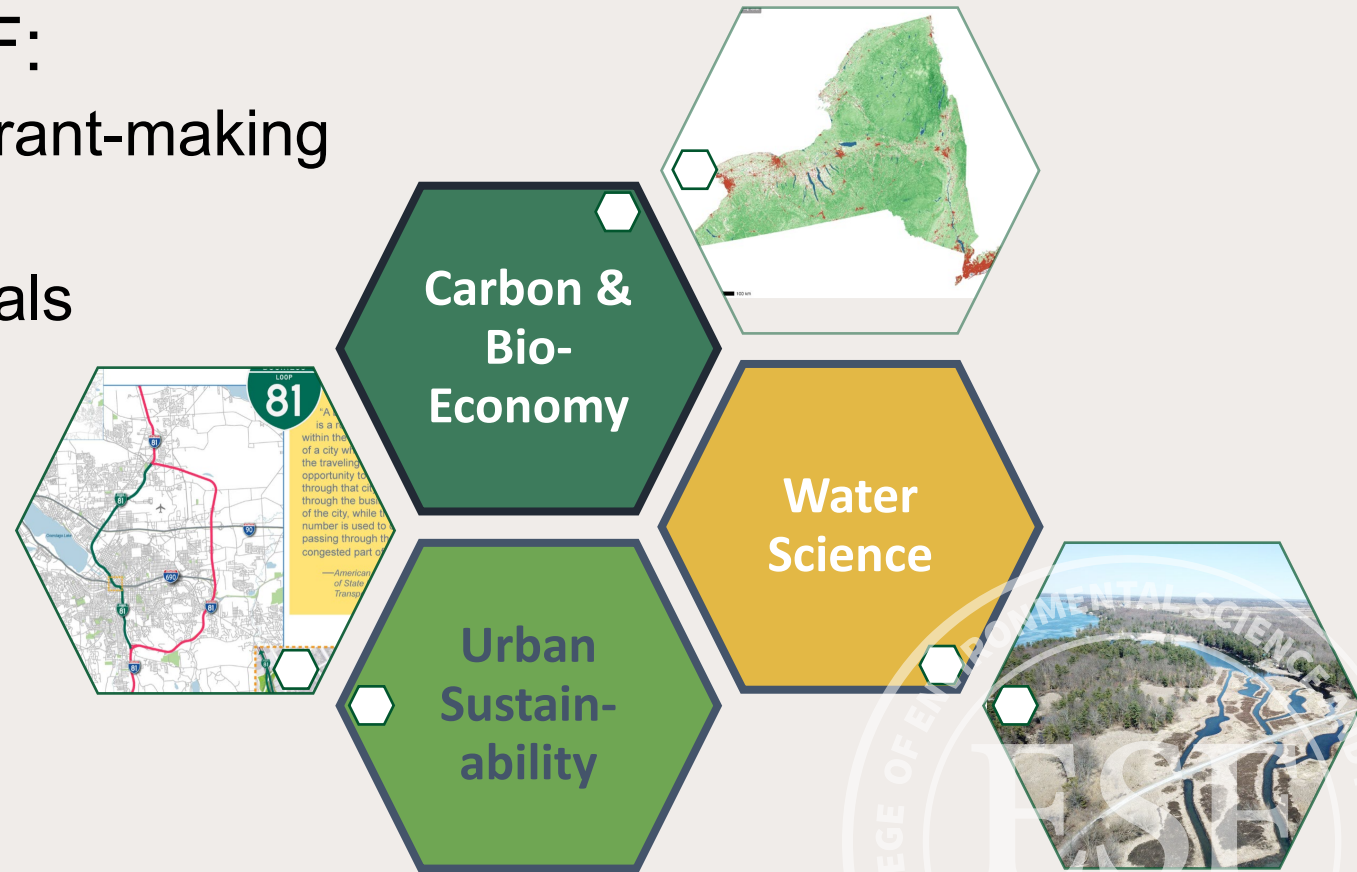
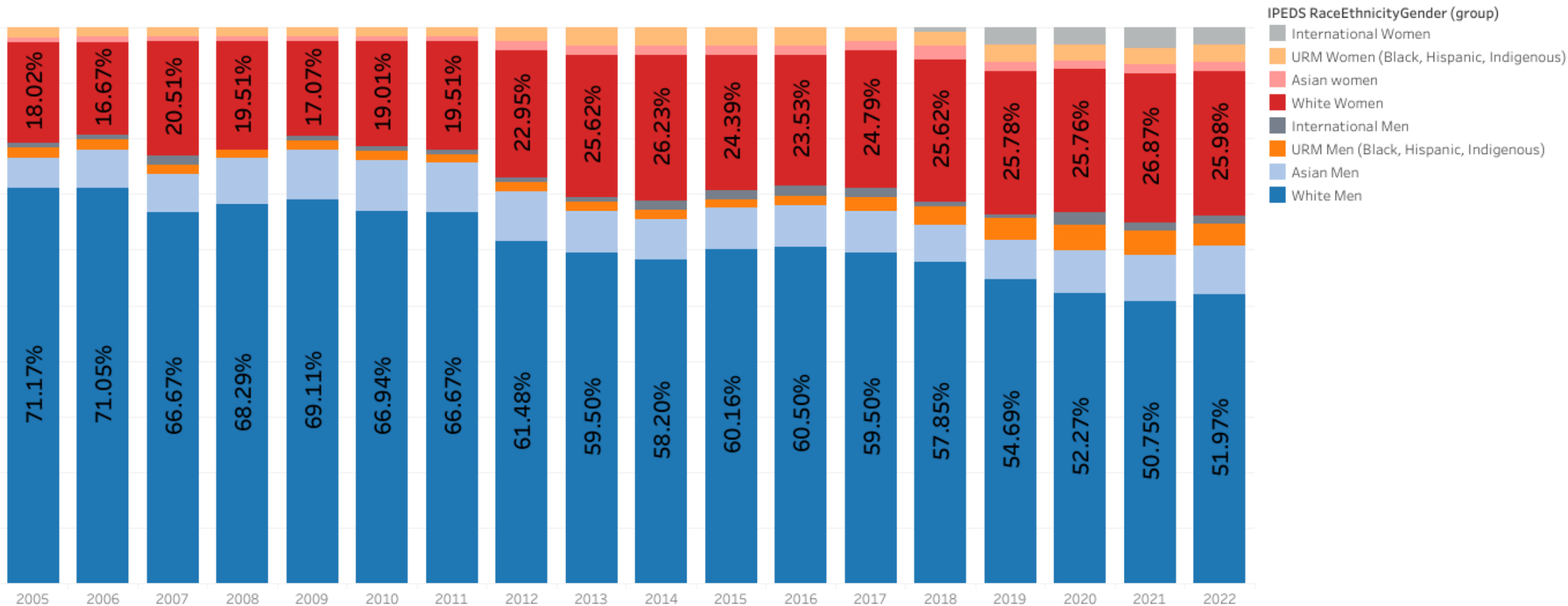# Understanding Ourselves 1: Student Demographics (Gender & Ethnicities)

Student Enrollment Composition by Gender and Race-Ethnicity, Campus Wide
Data Retreived from SUNY BI Dashboard, 5/23/22
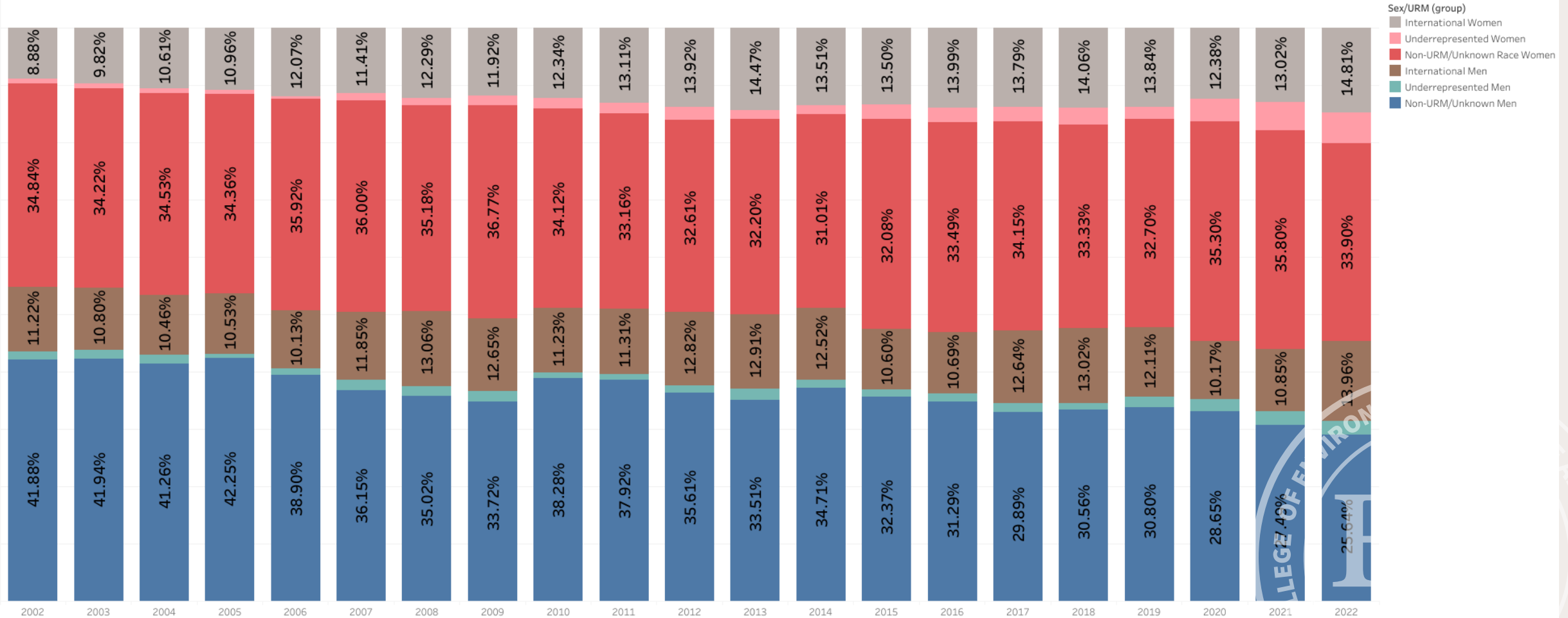
# Understanding Ourselves 2: Faculty Demographics (Gender & Ethnicities)

Full Time Faculty Composition by Gender and Race-Ethnicity (Proportions-All Ranks), Campus-wide

IPEDS RaceEthnicityGender (group)
- International Women
- URM Women (Black, Hispanic, Indigenous)
- Asian women
- White Women
- International Men
- URM Men (Black, Hispanic, Indigenous)
- Asian Men
- White Men

Year	White Women	White Men
2005	18.02%	71.17%
2006	16.67%	71.05%
2007	20.51%	66.67%
2008	19.51%	68.29%
2009	17.07%	69.11%
2010	19.01%	66.94%
2011	19.51%	66.67%
2012	22.95%	61.48%
2013	25.62%	59.50%
2014	26.23%	58.20%
2015	24.39%	60.16%
2016	23.53%	60.50%
2017	24.79%	59.50%
2018	25.62%	57.85%
2019	25.78%	54.69%
2020	25.76%	52.27%
2021	26.87%	50.75%
2022	25.98%	51.97%

Student Enrollments By Dept

Dark Blue = Undergraduate Students; Light Blue = Graduate Students
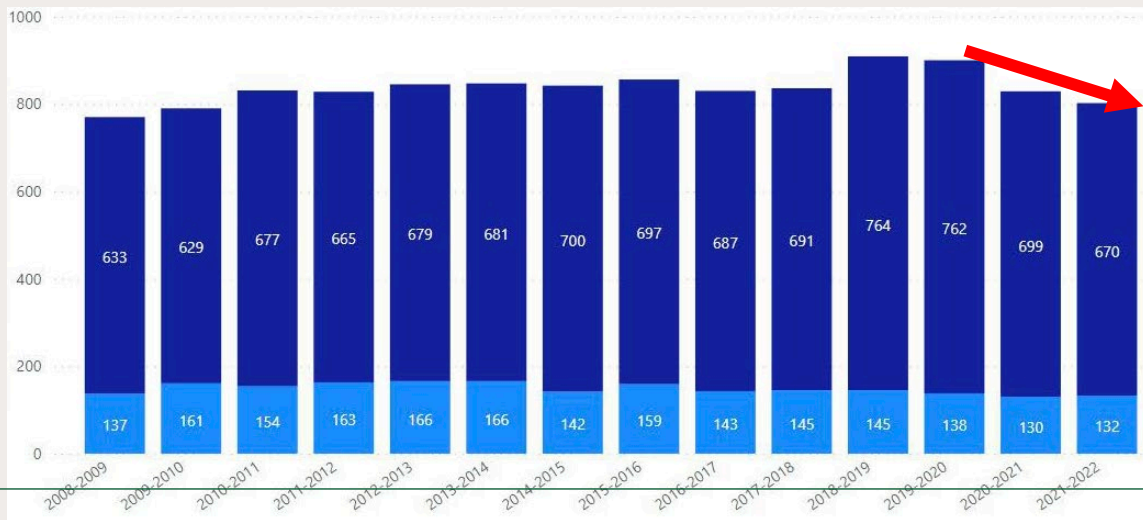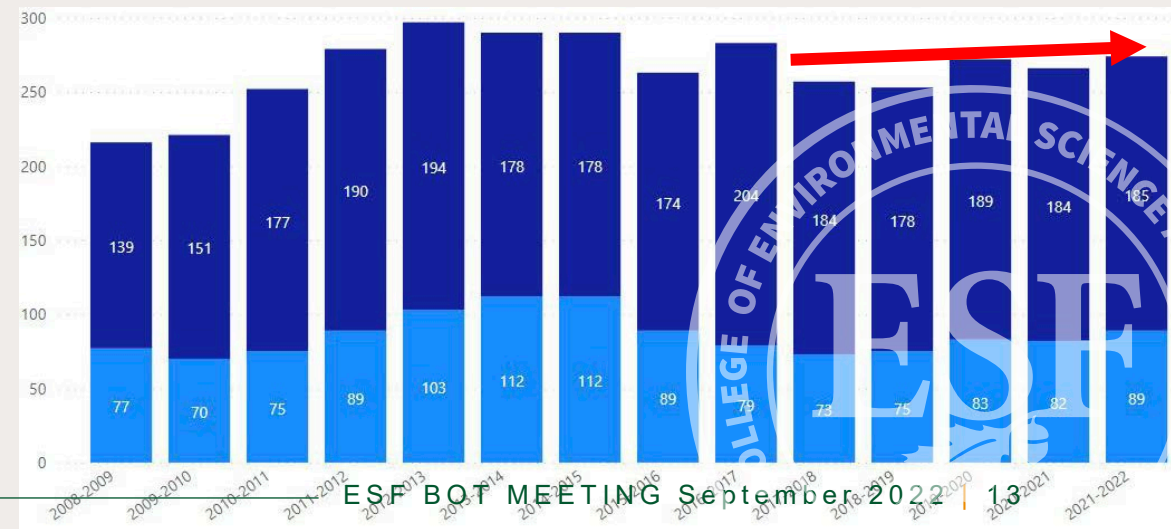

Chemical Engineering
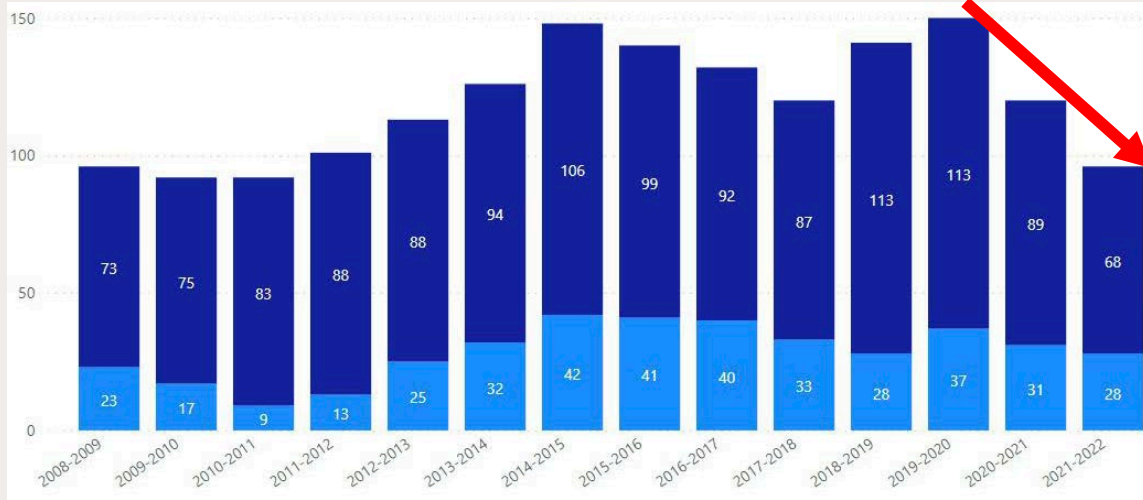
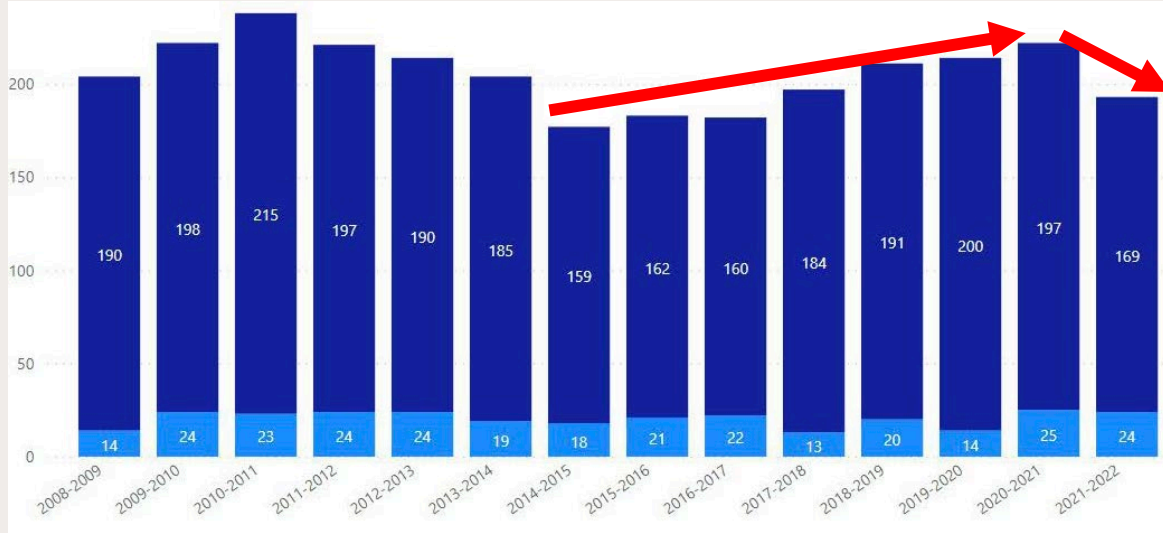
Chemistry
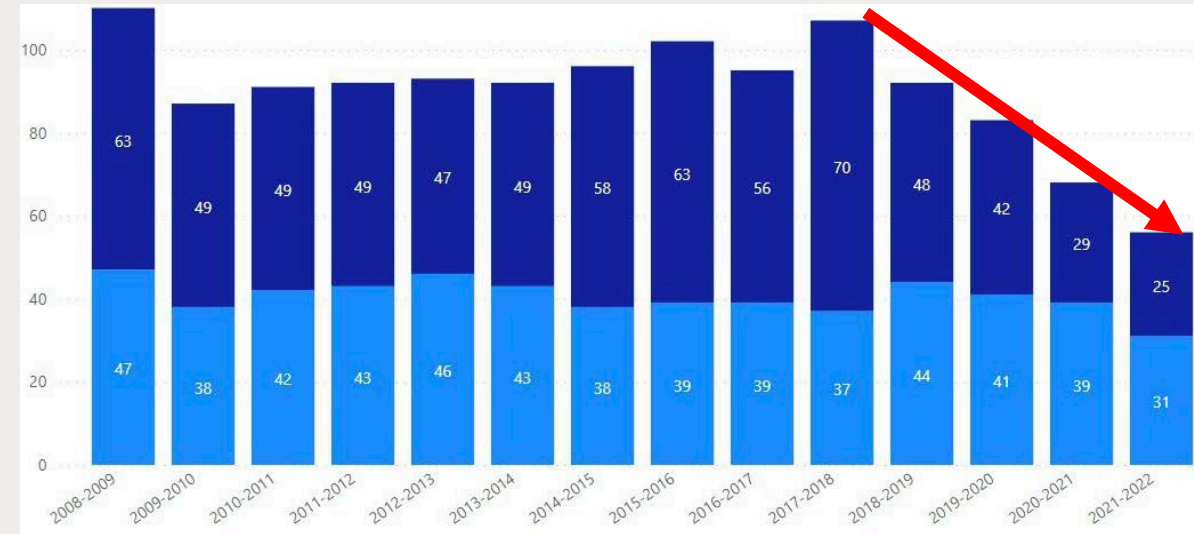
Environmental Biology
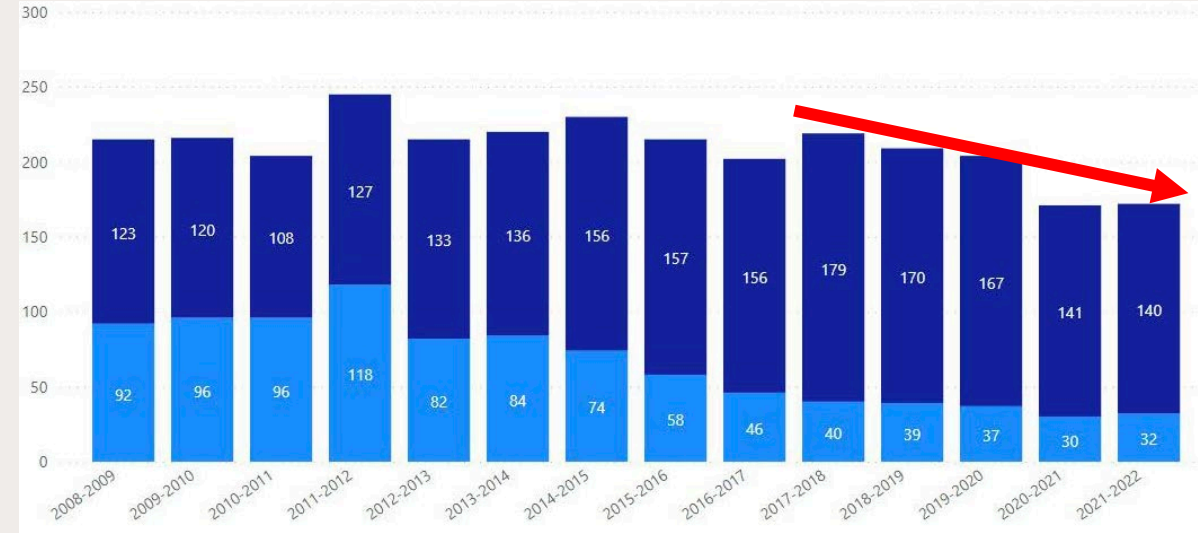

Environmental Science

Student Enrollments By Dept

Dark Blue = Undergraduate Students; Light Blue = Graduate Students
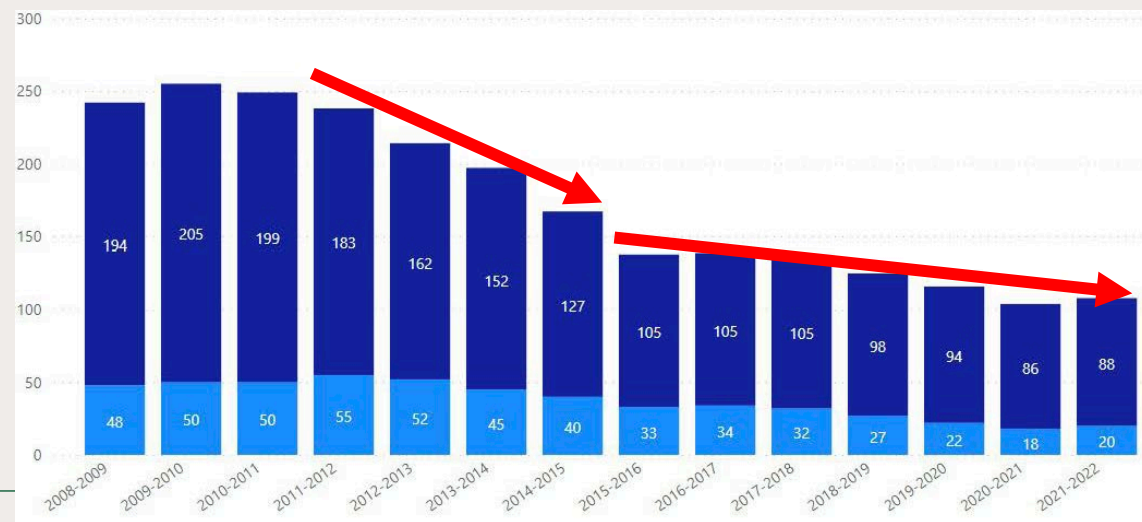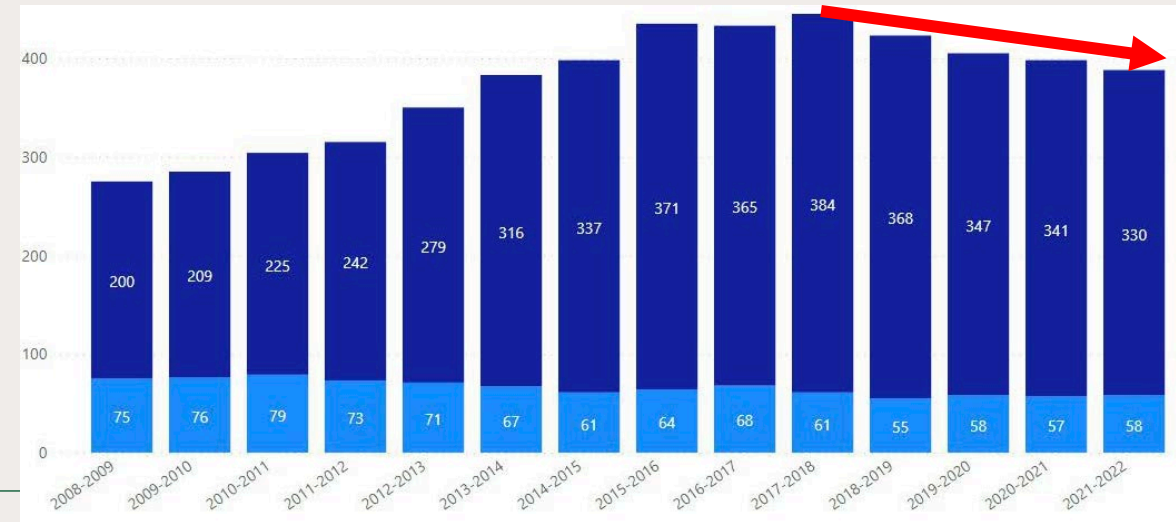

Environmental Studies

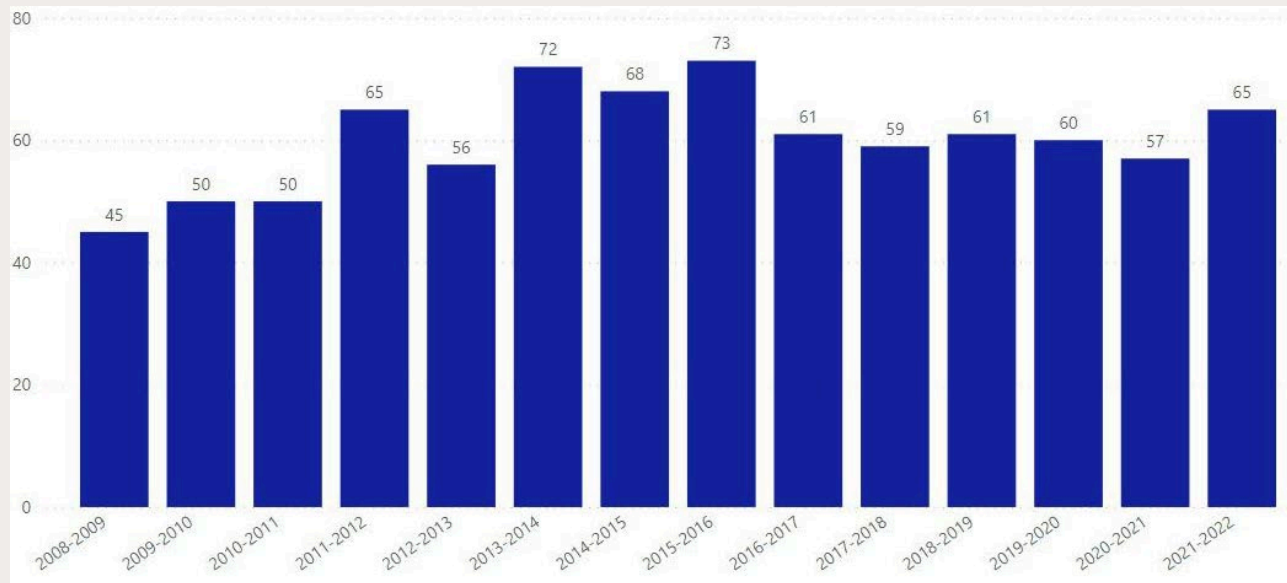Environmental Resources Engineering

Landscape Architecture
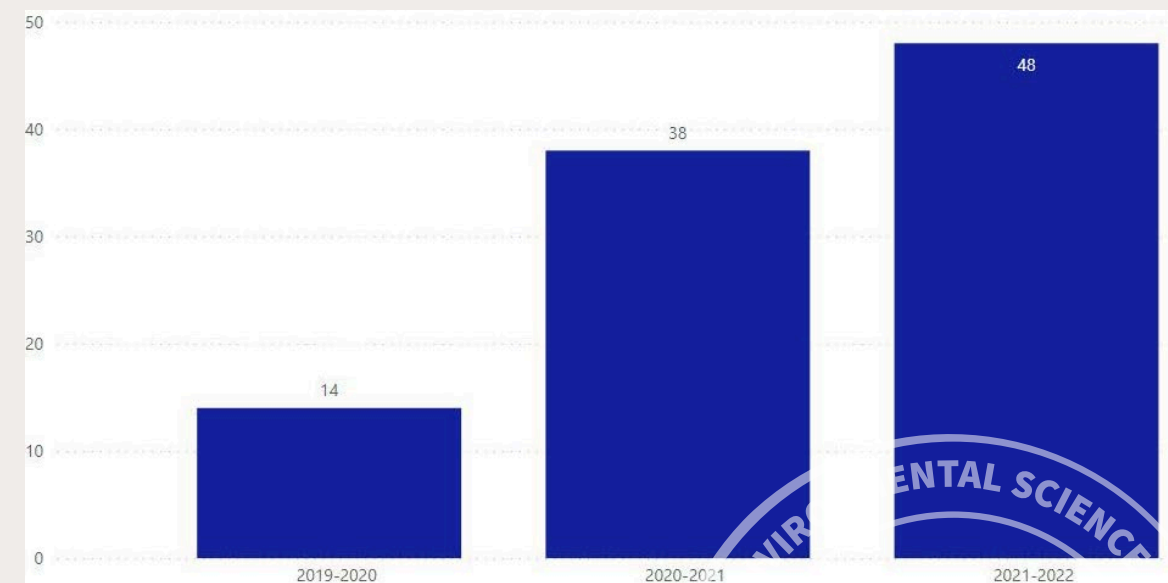

Sustainable Resources Management

Student Enrollments at the Ranger School and Online
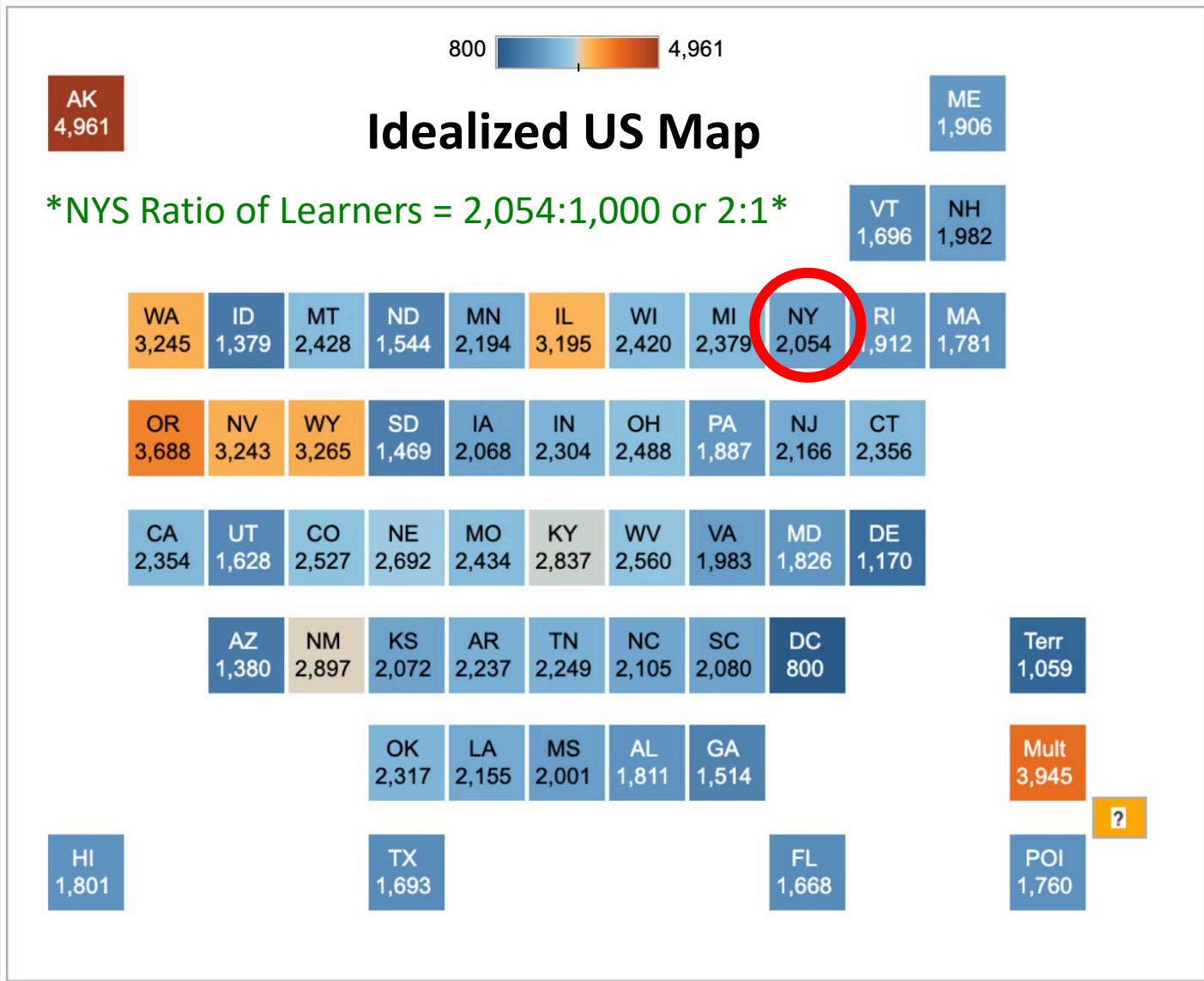
Ranger School

Online Sustainability Management
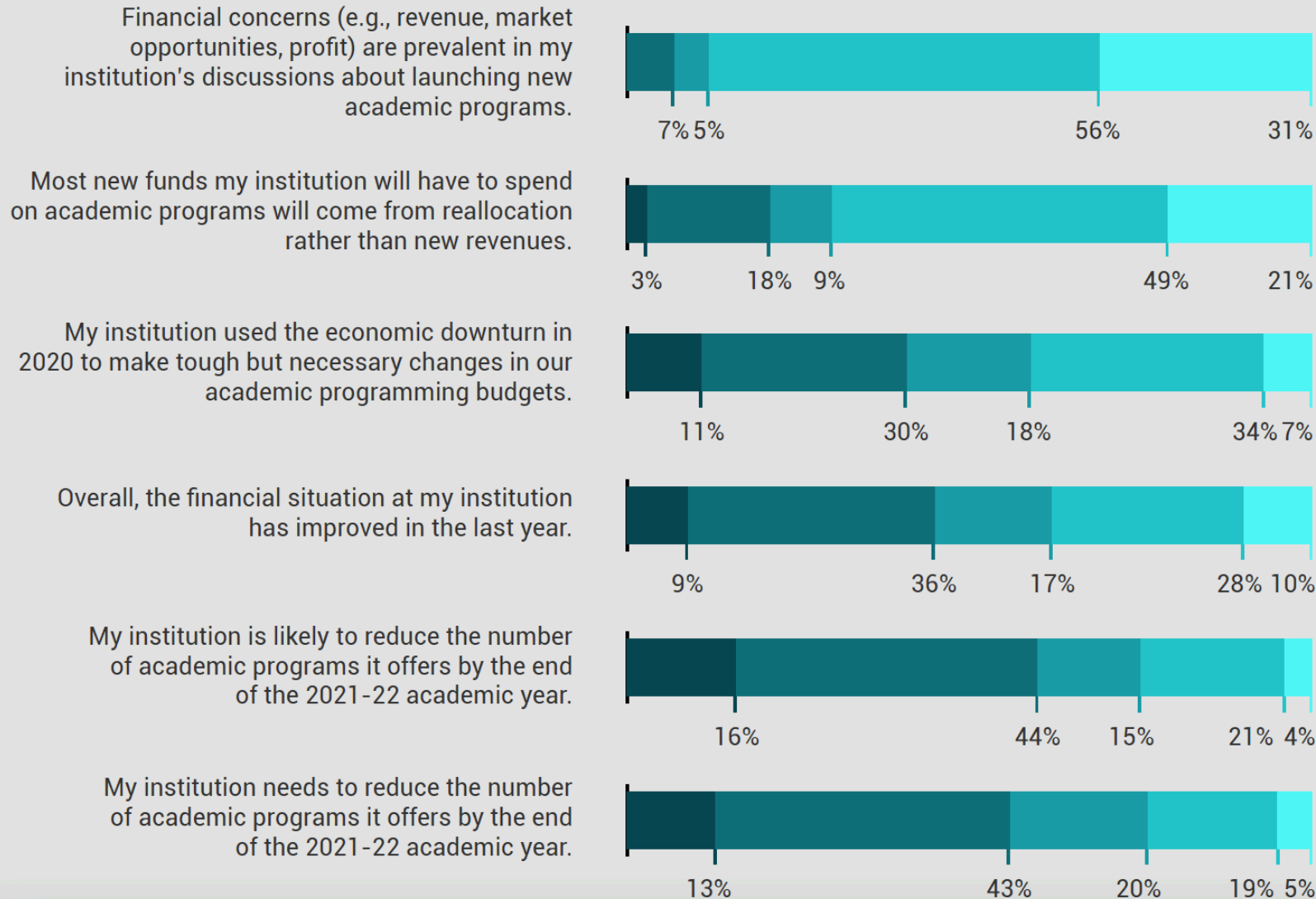
SCNC Students Now Number 39 Million

Idealized US Map

NYS Ratio of Learners = 2,054:1,000 or 2:1

800 ▬▬▬▬ 4,961

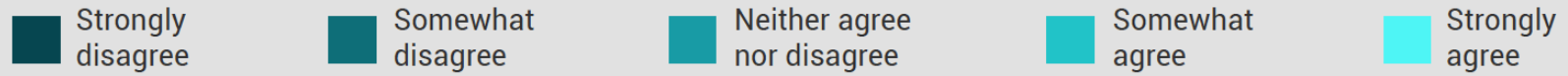| State	Value
AK	4,961
ME	1,906
VT	1,696
NH	1,982
WA	3,245
ID	1,379
MT	2,428
ND	1,544
MN	2,194
IL	3,195
WI	2,420
MI	2,379
NY	2,054
RI	,912
MA	1,781
OR	3,688
NV	3,243
WY	3,265
SD	1,469
IA	2,068
IN	2,304
OH	2,488
PA	1,887
NJ	2,166
CT	2,356
CA	2,354
UT	1,628
CO	2,527
NE	2,692
MO	2,434
KY	2,837
WV	2,560
VA	1,983
MD	1,826
DE	1,170
AZ	1,380
NM	2,897
KS	2,072
AR	2,237
TN	2,249
NC	2,105
SC	2,080
DC	800
Terr	1,059
OK	2,317
LA	2,155
MS	2,001
AL	1,811
GA	1,514
Mult	3,945
HI	1,801
TX	1,693
FL	1,668
POI	1,760

- SCNC = Some College, No Credential

- Boxes represent states; numbers show SCNC students per 1,000 currently enrolled in undergraduate degrees

- *Survey: 66% of adults say traditional college does not meet the needs of today's students

* https://www.highereddive.com/news/survey-66-of-adults-say-college-doesnt-meet-needs-of-todays-students/628773/

2022 Survey of Higher Ed Provosts

Legend:
- Strongly disagree
- Somewhat disagree
- Neither agree nor disagree
- Somewhat agree
- Strongly agree

Financial concerns (e.g., revenue, market opportunities, profit) are prevalent in my institution's discussions about launching new academic programs.
7% 5% 56% 31%

Most new funds my institution will have to spend on academic programs will come from reallocation rather than new revenues.
3% 18% 9% 49% 21%

My institution used the economic downturn in 2020 to make tough but necessary changes in our academic programming budgets.
11% 30% 18% 34% 7%

Overall, the financial situation at my institution has improved in the last year.
9% 36% 17% 28% 10%

My institution is likely to reduce the number of academic programs it offers by the end of the 2021-22 academic year.
16% 44% 15% 21% 4%

My institution needs to reduce the number of academic programs it offers by the end of the 2021-22 academic year.
13% 43% 20% 19% 5%

- Please indicate your level of agreement with the following statements about budget and finances: (n = 149)

Inside Higher Ed | 2022 Survey of College and University Chief Academic Officers

Big Questions to Anchor Strategic Planning

1. How serious are we about taking steps to change the demographics of both faculty and students in favor of diversity, equity, inclusion and social justice?

2. Should internationalization be part of the strategy for diversification?

3. Short-term credentials or microcredentials (certificates, digital badges, MPS, micro-bachelors, micro-masters, etc.), are trending and here to stay. How committed are we to parallel programing for the traditional college experience and Open Academy experience which is to be largely online?

4. What are opportunities and challenges associated with the sustainable growth of ESF's in-person undergraduate and graduate student enrollments, and expansion of online engagement with non-traditional learners?

5. How can ESF prepare today's graduate for jobs that may not even be created/invented for another decade or two? [Answer: Create a graduate who is ethical, honest, good listener, hard worker, team player, and resilient and comfortable with a high rate of change – a person with agility]. Employers want complex problem-solving ability, critical thinking, analytical thinking, coordination with others (team player), people management skills, resilience/adaptability, creativity/imagination. **How do we measure this?**

Big Questions to Anchor Strategic Planning

7. **Is SUNY ESF missing an opportunity to rebrand itself?**

8. **Why is ESF forfeiting the opportunity to develop courses with "Climate Change" in the title?**

9. **What steps should ESF take to alleviate the negative impact the condition of our research facilities has on faculty and graduate student recruitment and retention, and which would be the most impactful facility upgrades?**

10. **How can we best support and incentivize faculty in launching and sustaining dynamic and productive research careers? What should be the highest priorities within the areas of faculty research development, streamlining administrative processes, and research incentives??**

11. **Does the placement of some majors under departments and others under divisions advantage or disadvantage ESF enrollment objectives?**

12. **What are the most important measurable goals that should be considered as pillars in the ESF "Meeting the Moment" Strategic Plan?**

Good/Bad News: ESF's Branding Dilemma

Bar chart titled "Number of dissertations" by University (x-axis 0 to 800), ranked from SUNY (highest, ~730) down through Oregon State, U of Washington, U of California-Berkeley, U of Florida, U of Wisconsin-Madison, North Carolina State, U of Minnesota, U of Georgia, Michigan State, Colorado State, Texas A & M, Cornell, Virginia Tech, U of Idaho, Purdue, U of Arizona, Penn State, Duke, Mississippi State, U of Michigan, U of Montana, Ohio State, LA State Ag-Mech, U of Illinois-Urbana, Auburn University, U of Missouri-Columbia, U of Tennessee, U of Maine, Clemson, West Virginia University, Rutgers, UMass-Amherst, Utah State, Michigan Tech, Iowa State, Washington State, U of Alaska-Fairbanks, U of Connecticut, U of Wyoming, So Illinois-Carbondale, U of New Hampshire, Oklahoma State, U of Arkansas, U of Nebraska-Lincoln, Kansas State, U of Kentucky, U of Nevada-Reno, New Mexico State, U of Delaware, Stephen F. Austin State, U of Rhode Island, South Dakota State, So University Ag-Mech, North Dakota State, U of Vermont (lowest).

OXFORD   SAF
forests. resources. communities.

Social Sciences

Change in Doctoral Dissertation Topics in Forest Resources from US Universities Over Four Decades

Robert G. Wagner[1],[*], Kristen M. Bellisario[1], and Ningning N. Kong[2]

[1]Department of Forestry and Natural Resources, Purdue University, 715 W State Street, West Lafayette, Indiana 47907, USA.
[2]Libraries and School of Information Studies, Purdue University, 715 W State Street, West Lafayette, Indiana 47907, USA.
*Corresponding author email: rgwagner@purdue.edu

- Doctoral dissertations identified by university containing the terms "forest", "forests", "forestry", "silviculture", "wood technology",
- or "wood science" in the title and/or abstract from 1978 to 2017
- The name ESF does not appear anywhere in the publication

Implementation Timelines

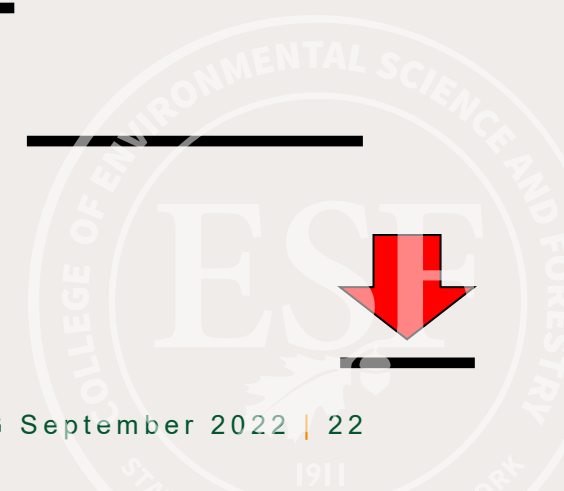|	2022						2023				
	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May

Unit Strategic Planning

*SPSC Feedback

Academic Unit Plans Due

SPSC Planning & Integration

Community Input & SPSC Plan Finalization

Presidential Unveiling

* SPSC: The ESF **S**trategic **P**lanning **S**teering **C**ommittee