

Rubenstein School of Environment and Natural Resources

A person is captured mid-jump on a rocky mountain peak. The sun is low on the horizon, creating a bright glow and long shadows. The person is wearing a light blue shirt and dark pants. The background shows a vast landscape of rolling hills and mountains under a clear sky.

2021 State of the School

August 25, 2020

Today's Highlights:

Re-Introductions

Current School Stats

COVID Updates

2021 Goals and Plans

Who we are.....

Our mission is to understand, nurture, and enrich the interdependence of people with healthy ecological systems.

We seek to create a community that encourages an engaged, culturally diverse, and challenging learning environment that applies foundational knowledge from diverse fields, critical thinking, and integrative analyses to design a more sustainable society.

We value: Innovation, critical thinking, integrative learning, community engagement, and cultural awareness.

Rubenstein School Leadership Team



Breck Bowden
Associate Dean for Research



Kevin Chu
Strategic Innovation and
Communications Lead



Rose Feenan
Assistant Dean for
Business Services



Nancy Mathews
Dean



Jen Pontius
Associate Dean for
Academic Affairs



Dr. Marie Vea
Assistant Dean for
Student Services

Dean's Suite and Student Services Team



Nadeje Alexandre
Advisor-ENSC



Ben Langton
Advisor-ENVS



Chelsea Davidson
Assistant to the Dean



Jackie Bruning
Receptionist



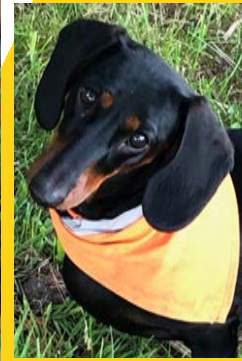
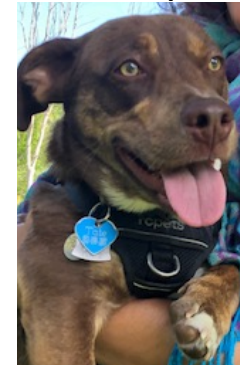
Carolyn Goodwin Kueffner
Graduate Program
Student Services Specialist



Dr. Marie Vea
Assistant Dean for
Student Services



Anna Smiles-Becker
Career Counselor and
Internship Coordinator



Tate and Franny
Suite Therapists

Dean's Suite and Business Services Team



Heather Bullett
Research Administrator



Rose Feenan
Assistant Dean for
Business Services



Deb McAdoo
Financial Administrator



Hallie Pombar Companion
Financial Assistant



Christine Patrin
Business Operations
Support

Kathleen Wells
Team Lead Business
Operations

Rubenstein School Program Directors



Carol Adair
Environmental Sciences



Tony D'Amato
Forestry



Brendan Fisher
Environmental Studies



Clare Ginger
Natural Resources



Matt Kolan
MPS Leadership for Sustainability Wildlife and Fisheries



Jason Stockwell



Pat Stokowski
Parks, Rec, Tourism

Laboratory and Research Property Directors



Carol Adair
Director Aiken
Forestry
Science Laboratory



Tony D'Amato
Research Forests
Director



Brendan
Fisher
Natural Areas
Director



Jason Stockwell
Director
Rubenstein Lab



2019-2020 Awards

National and International Recognition

- **Taylor Ricketts:** Top 1% HIGHLY CITED RESEARCHER LIST WORLDWIDE
- **Aimée Classen and Taylor Ricketts:** ECOLOGICAL SOCIETY OF AMERICA FELLOW
- **Bill Keeton:** FULBRIGHT Research Award

State Award

- **Ellen Marsden:** NEW YORK TROUT UNLIMITED PROFESSIONAL ACHIEVEMENT AWARD

UVM Awards

- **Mike Blouin:** MOSAIC CENTER Tim Shiner Ally Award
- **Bill Keeton:** LYNNE BOND OUTSTANDING SERVICE-LEARNING FACULTY AWARD
- **Amy Seidl:** UVM P: RESIDENT'S DISTINGUISHED SENIOR LECTURER AWARD
- **Christine Vatovec:** UVM PART-TIME FACULTY TEACHING AWARD
- **Kristin Raub:** Thomas J. Votta Award
- **Seth O'Brien:** SPECIAL RECOGNITION FOR EXTRAORDINARY SERVICE DURING THE COVID-19 PANDEMIC



2021 RSENR Work Force

	2016	2017	2018	2019	2020	2021
TT Faculty	24	27	27	24	25	22
Research Faculty	12	12	9	12	9	7
Extension Faculty	2	2	1	1	1	1
Lecturers	10	10	8	10	9	12
Post Docs	6	6	7	8	7	5
Admin/ Research Staff	42	41	41	42	40	38
Total	96	98	93	97	91	85

Incoming Undergrads 2021

UVM	RSENR
2562 FTFY students	170 FTFY students
308 Transfer students	15 Transfer students
2870 New Students	185 New Students
749 from Vermont (26%)	18 from Vermont (10%)
44 states plus Washington D.C	24 states plus Washington D.C
13% Students of Color	4% Students of Color
62% Women	66% Women
270 (11%) Honors College (FTFY)	20 (12%) Honors College (FTFY)
19.3% FTFY Yield	26.0% FTFY Yield
56.5% TR Yield	51.7% TR Yield

In State Cost= \$35,220; Out of State Cost = \$60,468

Applications, Admits, Enrolls 2016-2021

Year	Apps	Admits	Admit Rate	Enrolls	Yield	Average SAT
2016	866	665	76.8%	173	26.0%	1220
2017	853	614	72.0%	177	28.8%	1273
2018	869	612	70.4%	179	29.2%	1281
2019	826	610	73.8%	178	29.2%	1296
2020	861	654	76.0%	170	26.0%	1290

COVID-19: Enrollment Update

- 29 Deferrals
- 35 Leaves of Absence
- 169 FTFY
- 800 Undergrads

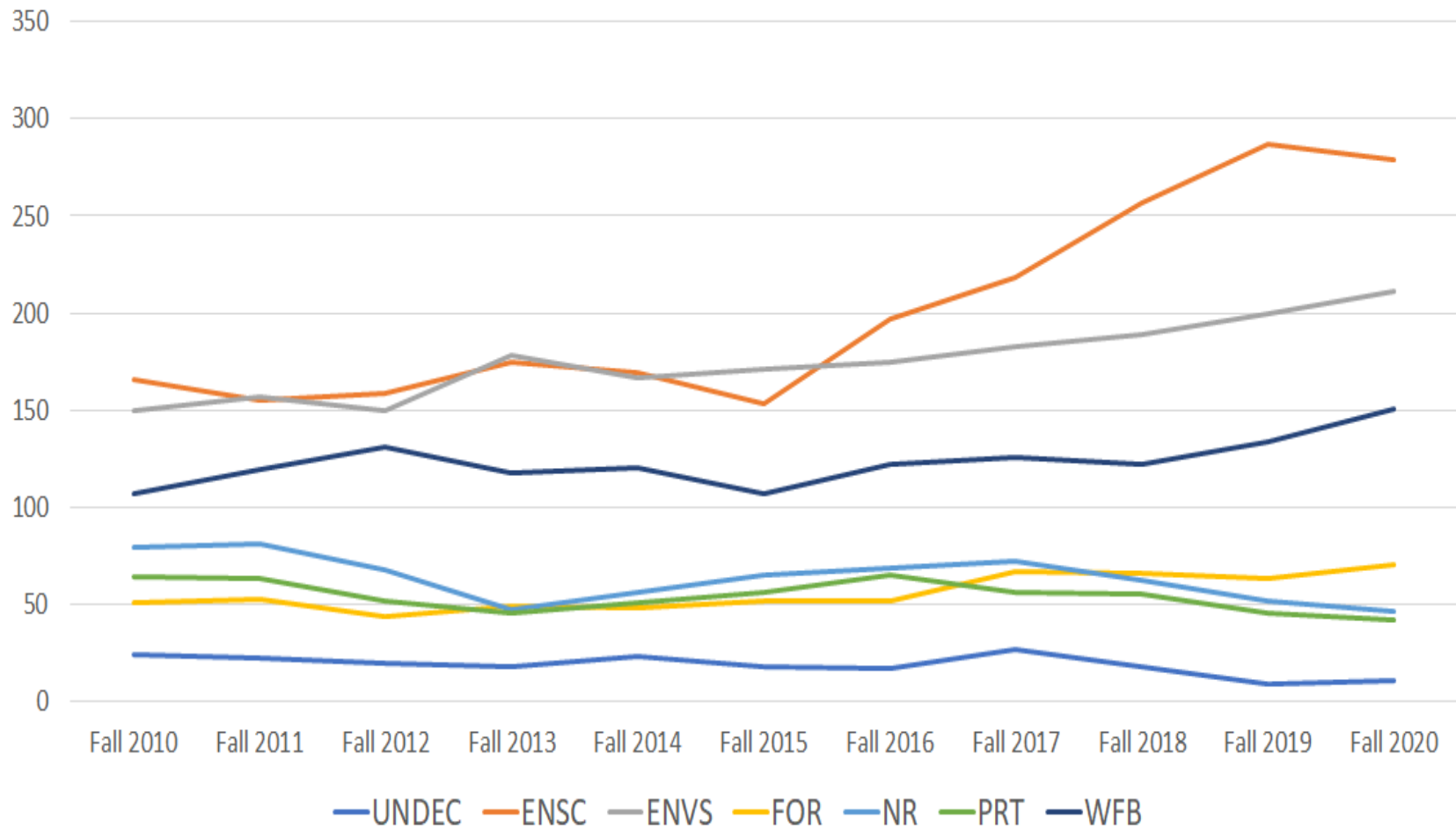
2020-2021

Rubenstein School Program Enrollment

	TOTAL Fall 2018	FTFY 2018	TOTAL Fall 2019	FTFY 2019	Total Fall 2020	FTFY 2020
ENSC	257	77	297	78	279	80
ENVS	189	36	211	43	211	32
WFB	122	28	140	29	151	33
FOR	66	19	62	9	70	10
NR	62	6	60	4	46	1
PRT	55	1	49	1	42	3
UNDECL	18	14	14	13	11	11
TOTAL	755	179	799	177	800	170

Source: Official enrollment data; repeat; program specific data includes double majors

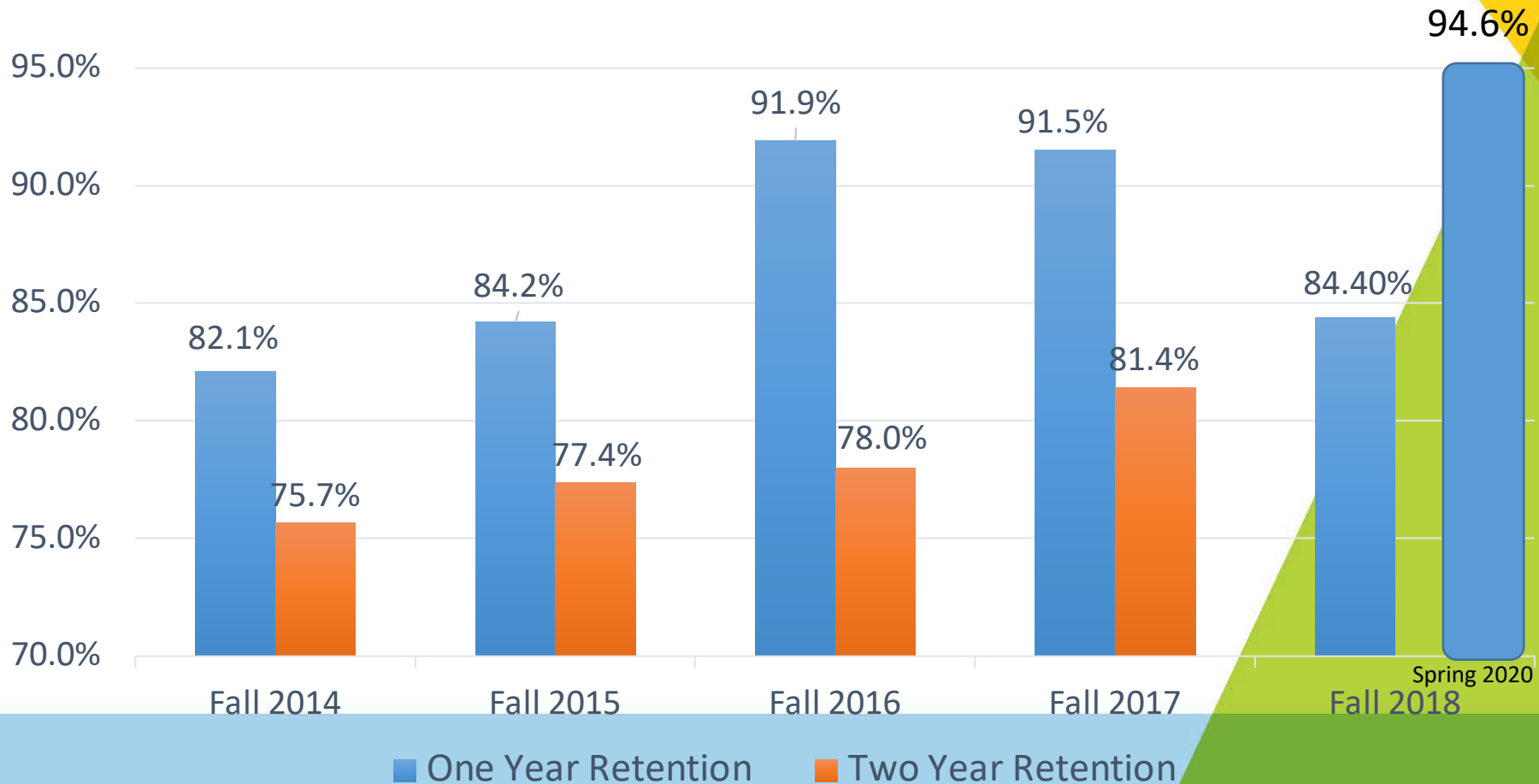
Enrollment by Program 2010-2020



Retention Rates 2013-2020

	# in original cohort	RSENR Retention Rate, 1-year	RSENR Retention Rate, 2-year	UVM Retention Rate, 1-year	UVM Retention Rate, 2-year
Fall 2019		*94.9%			
Fall 2018	179	84.4%		86.9%	
Fall 2017	177	91.5%	81.4%	86.6%	78.4%
Fall 2016	173	91.9%	78.0%	86.2%	75.3%
Fall 2015	146	84.2%	77.4%	86.4%	76.4%
Fall 2014	140	82.1%	75.7%	85.9%	76.8%
Fall 2013	154	90.3%	79.9%	86.8%	77.6%

RSENR 1st and 2nd Year Retention



Graduation Rates

Freshmen Classes of 2010-2015

	# in original cohort	RSEN Graduation Rate, 4-year	RSEN Graduation Rate, 6-year	UVM Graduation Rate, 4yr	UVM Graduation Rate, 6 yr
Fall 2015	146	69.2%		69.5%	
Fall 2014	140	69.3%		63.6%	
Fall 2013	154	72.7%	85.7%	64.3%	76.4%
Fall 2012	132	68.2%	80.3%	64.4%	75.9%
Fall 2011	131	74.0%	83.2%	62.1%	74.7%
Fall 2010	137	70.8%	77.4%	61.7%	73. 1%

Service and Civic Learning Courses

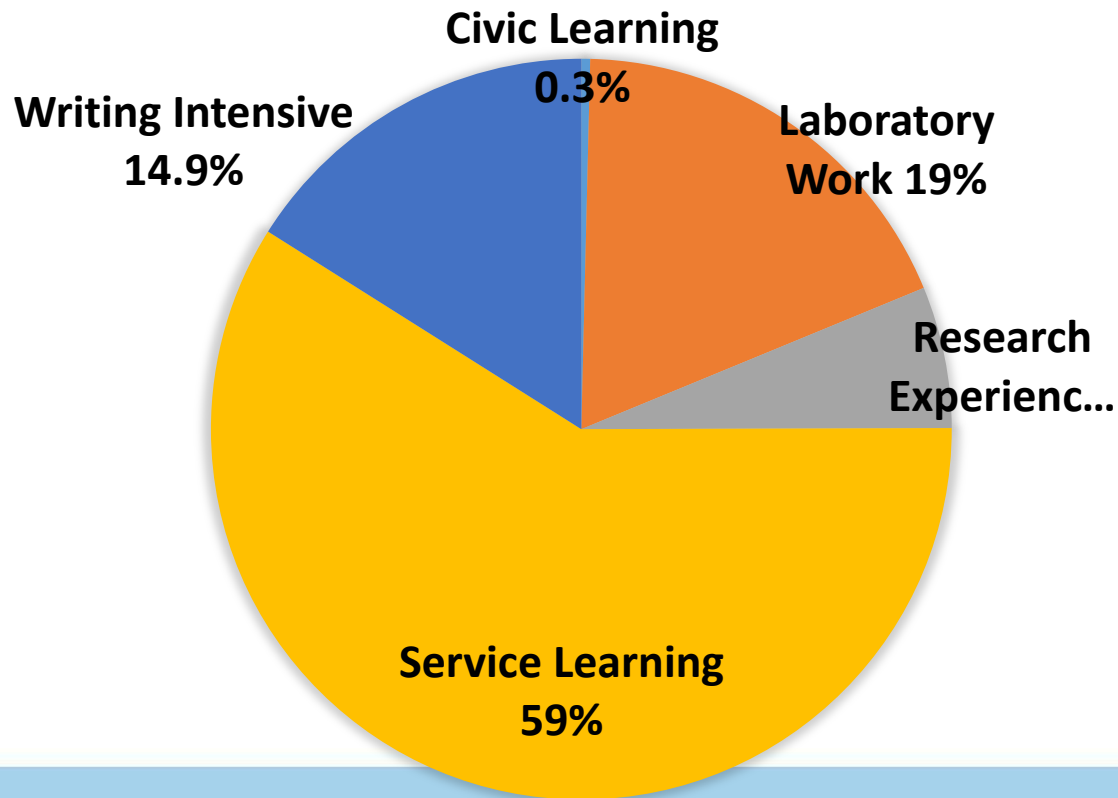
16% of UVM SL and CL courses taught through RSENr

- 19 SL/CL courses through Rubenstein School
- 101 SL/CL courses taught UVM-wide

NR 206 – Environmental Problem Solving & Impact Assessment

- One of UVM's largest service learning courses
- 188 enrolled students
- 52 community based projects
- ~9400 hours of service contributed by NR 206 students

Distribution of High Impact Practices in RSENR



Agency of Natural Resources Speaker Series

Spring Speaker Series Connecting ANR and UVM

The Intersection of Environmental Health, Social Justice and Science

Co-sponsored by DEC Environmental Justice Team

Dr. Bindu Panikkar's current projects include assessing and addressing environmental and health inequities in Vermont, examining emerging contaminants in agriculture and impacts on microbial health, and transboundary water cooperation in the Indus Basin.

Wednesday, Feb 19, 9-10am
Catamount

Rubenstein Race and Culture in Environment Instructor Panel

Co-sponsored by ANR Diversity & Equity Committee

Dr. Breck Bowden, Dr. Allan Strong,

Marie C. Veal, Mike Blouin, Dr. Nadeje Alexandre,

Explore issues of equity, diversity, power and privilege to help ANR

- Create awareness across departments
- Connect to the community in an inclusive manner
- Bring equity to communities through their work

Dissolved organic matter characteristics can help us better understand the state of aquatic ecosystems

Dr. Williams' seeks to understand how human activities drive water quality, so that we can restore and manage ecosystem function.

Wednesday, April 29, 9-10am
Limestone

Coffee Talk Connecting ANR and UVM

Infinite Economic Growth; and other Fairytales that Destroy Ecologies and Communities

Dr. Jon Erickson, an Emmy Award winning producer of films such as Bloom on PBS, has published on energy & climate change policy, land conservation, watershed planning, and ecological economics.

Wed, Nov 13, 9-10 am
Montpelier Room

Monitoring for Impacts of Climate Change: Tracking and Measuring Outcomes in Northeastern Forests

Dr. Jen Pontius' research involves scaling field observations and relationships to a landscape-scale using remote sensing and GIS (geographic information system) tools to manage northeastern forests.

Wed, Dec 4, 9-10am
Winooski Room

RUBENSTEIN GRADUATE RESEARCH SLAM Oct 30, 9-10 am, Catamount Room

ELISABETH LOHRE

DEVELOPING AN
INTERDISCIPLINARY
ADAPTIVE MANAGEMENT
FRAMEWORK FOR MANAGING
CASHMERE GOATS IN
MONGOLIA



EVA KINNEBREW

FROM THE GROUND UP:
HIGHLIGHTING THE DIVERSITY
AND SERVICES OF SOIL
INVERTEBRATES IN
AGRICULTURE



AARON SCHWARTZ

VISITORS TO URBAN
GREENSPACE HAVE HIGHER
SENTIMENT AND LOWER
NEGATIVITY ON TWITTER



2014-2021 RSENR Graduate Students

	Fall 2014	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2020
LFS (MPS)	-	13	30	46	49	46
NR	100	94	91	85	92	94
MS	50	39	30	27	31	32
PHD	50	55	61	58	61	62
Total	100	107	121	131	141	140

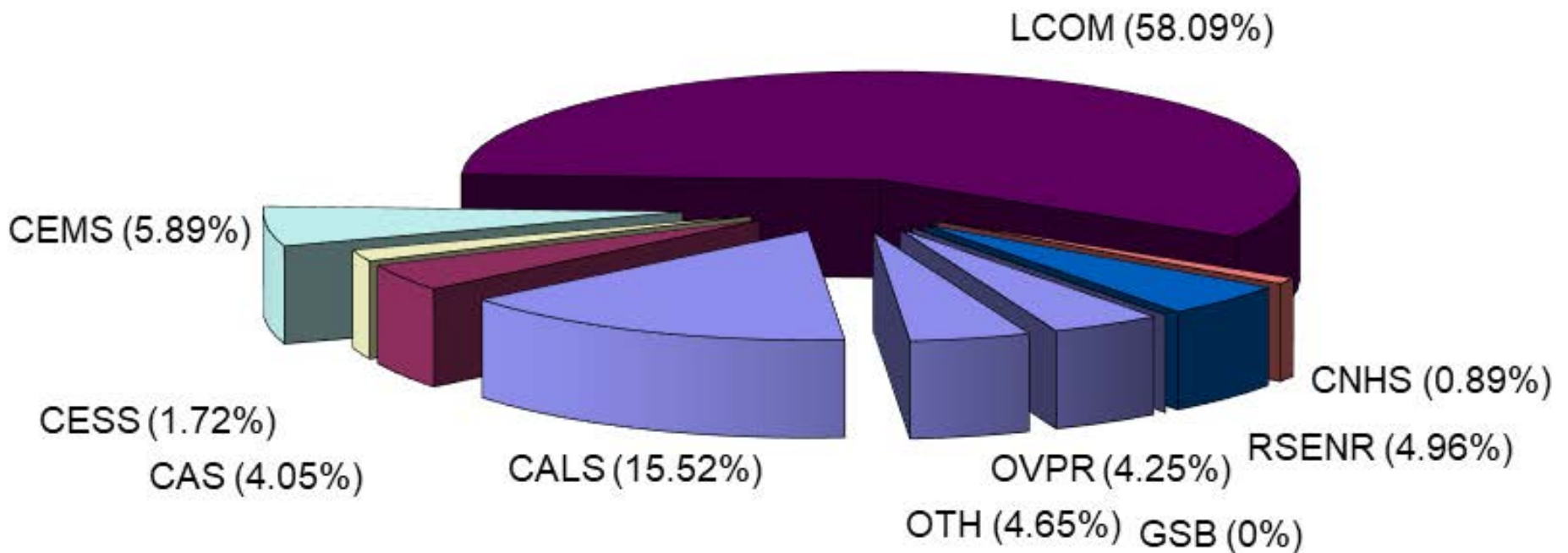
Countries of Origin: Brazil, Canada, China, Honduras, Guatemala, Ecuador, Iran, Kenya, Russia Federation

Masters in Leadership for Sustainability

	Inquiries	Apps/ Accepted	URM Apps	Yield	Students	% URM
Year 1	58	13/13	2	92%	12	25%
Year 2	75	20/18	3	89%	16	19%
Year 3	130	29/25	11	72%	18	33%
Year 4	141	32/22	6	73%	16	25%
Year 5	146	26/17	7	88%	15	27%
Year 6	170	45/122	11	91%	20	35%
Total	720	165/117	40	83%	97	28%

FY 2020

Amount Awarded by College



Extramural Funding FY 20

College / Unit	FY19 # of Awards	FY19 \$ Amount	FY20 # of Awards	FY20 \$ Amount	\$ Amount change	% Amount change
CALS	92	\$23,067,544	118	\$28,191,816	\$5,124,272	22.2%
CAS	61	\$9,166,127	58	\$7,349,284	(\$1,816,842)	-19.8%
CESS	16	\$7,929,367	13	\$3,126,300	(\$4,803,067)	-60.6%
CEMS	36	\$4,370,189	67	\$10,699,258	\$6,329,068	144.8%
LCOM	337	\$79,827,540	351	\$105,526,722	\$25,699,182	32.2%
CNHS	20	\$1,671,933	13	\$1,616,885	(\$55,048)	-3.3%
RSNER	51	\$4,759,335	47	\$9,004,648	\$4,245,313	89.2%
GSB	1	\$8,410	0	\$0	(\$8,410)	-100.0%
OVPR	5	\$12,464,360	4	\$7,714,260	(\$4,750,100)	-38.1%
OTHER	12	\$1,035,651	9	\$8,446,244	\$7,410,593	715.5%
Total	631	\$144,300,455	680	\$181,675,417	\$37,374,961	25.9%

Faculty Productivity Based on Google Scholar 2019-Present

Average no. of peer reviewed papers per faculty

member= 6.3

Maximum= 32

Minimum= 0

Median= 3.5

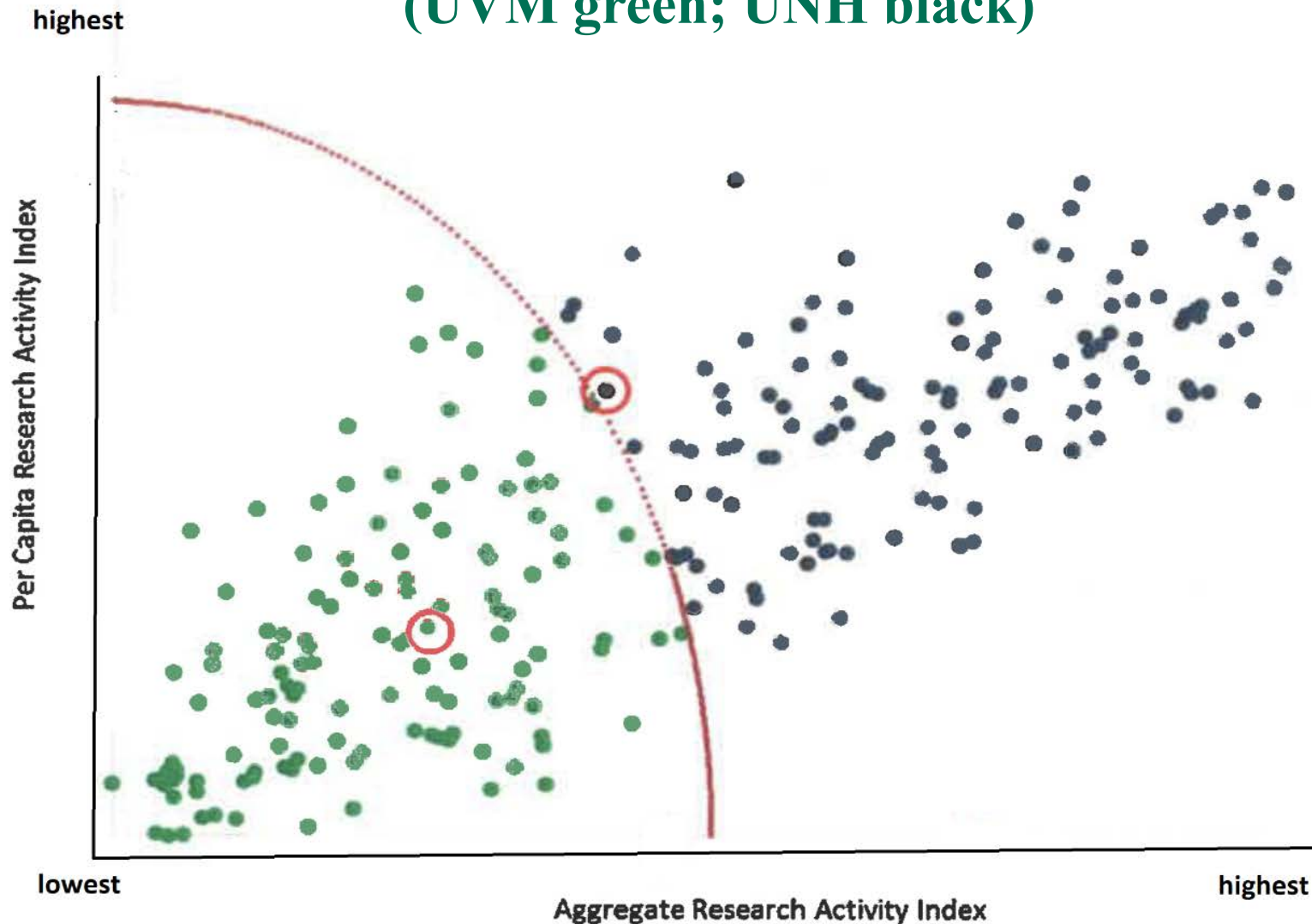
Total # books= 4

Total # publications =188

• Total # Faculty = 30

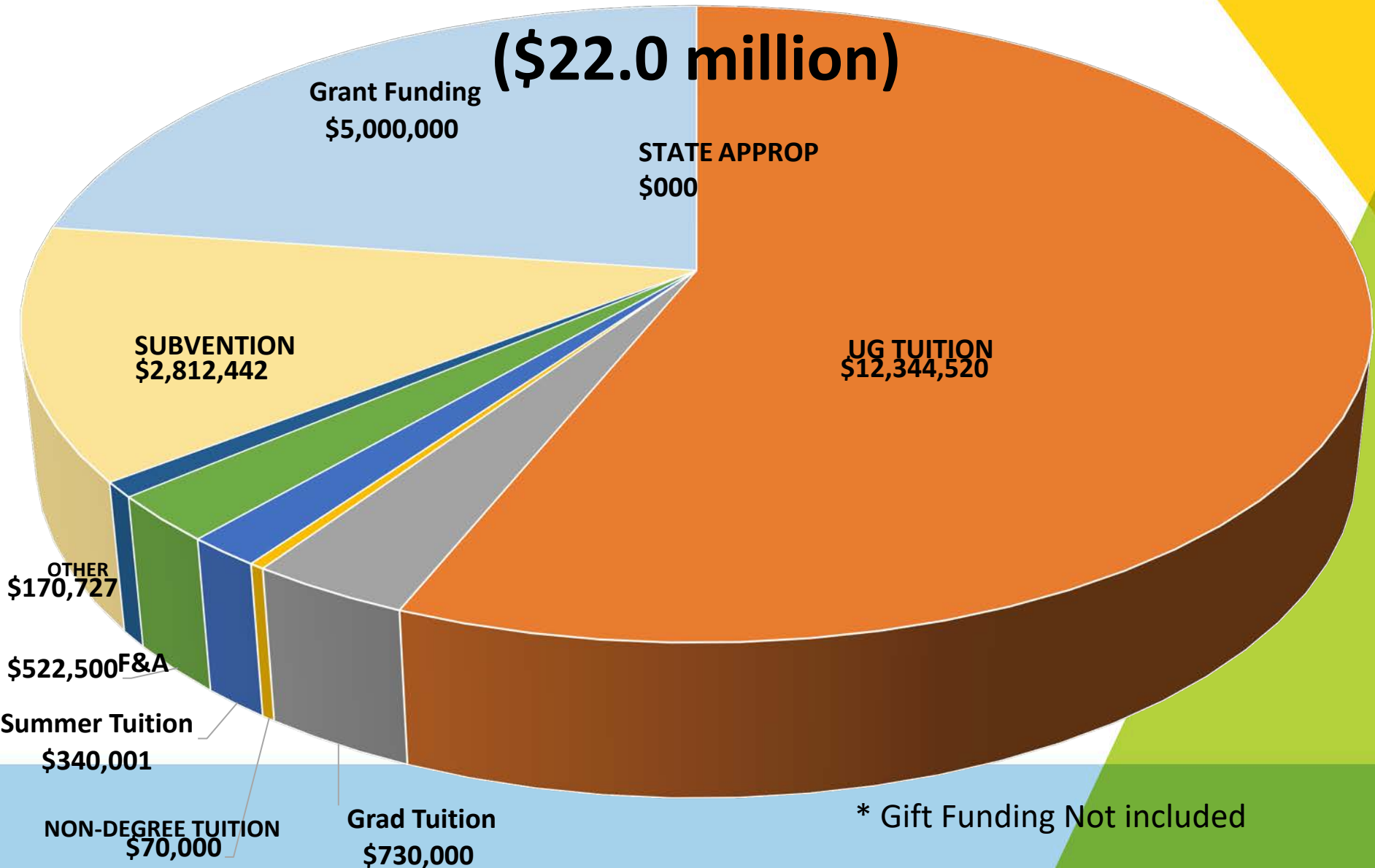
2018 R1Assessment

(UVM green; UNH black)



RSEN R FY20 SOURCES OF REVENUE

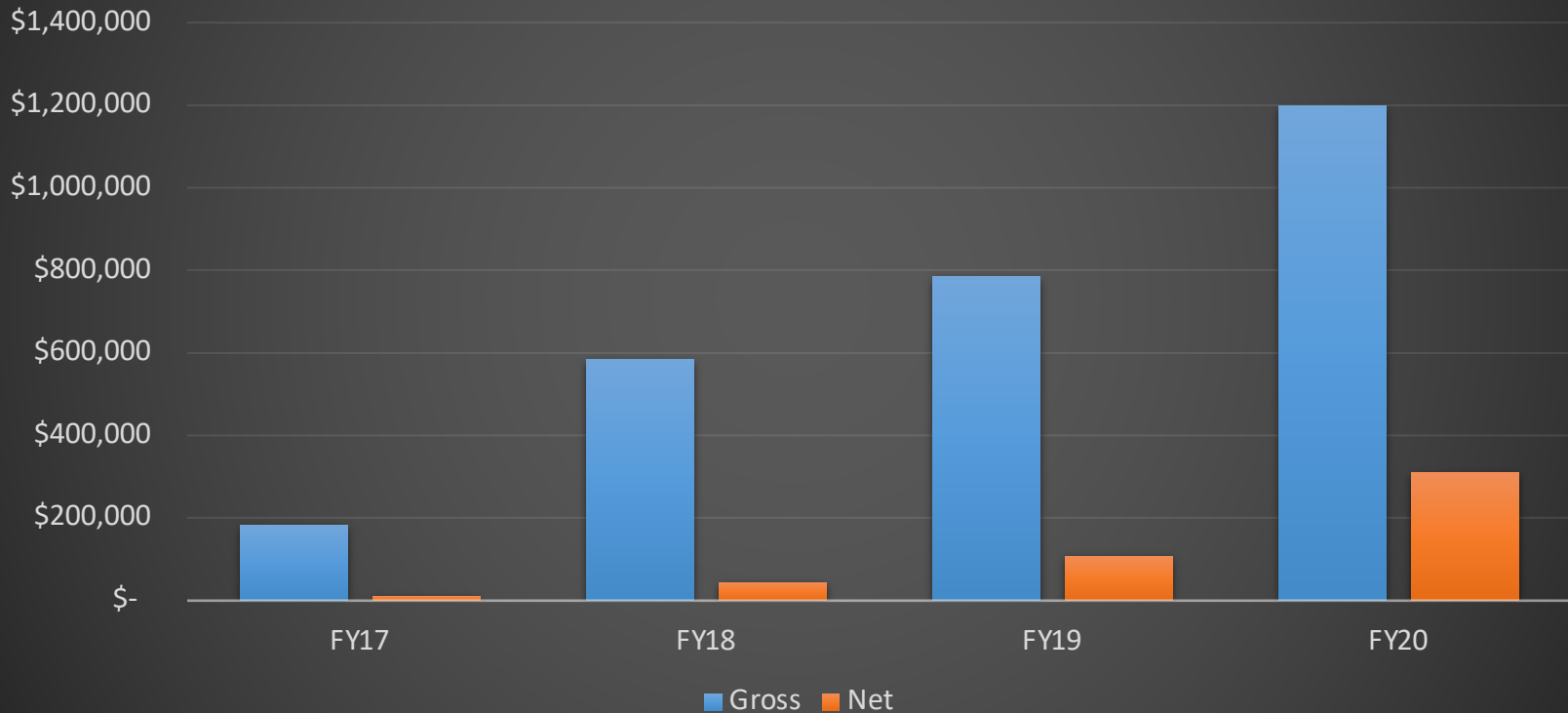
(\$22.0 million)



Spatial Analysis Lab Update

Thank You Jarlath O'Neil-Dunne and Team

SAL Revenue Growth



The Next Generation *R/V Melosira* *Contract is Bid!*

Thank you Steve Cluett and Jason Stockwell!



Length: 65 ft. vs. 45 ft. Melosira

Draft: 1.2m vs. 1.7m

Speed: 14 kts max. vs. 10 kts.

Engine Hours: 55% reduction

Work Deck area- 100% increase

Interior Lab/Teaching area- 120% increase

Passenger Capacity- up to 49 persons*

Class Size Capacity –up to 32 persons from 20



The University of Vermont

Certificate in Geospatial Technologies

(Thank you Dr. Galford!)

- Course descriptions and learning objectives finalized (June 2020)
- Instructors completed CDE Online Teaching Bootcamp (June 2020)
- Website developed, launched (July 7, 2020)
- Promotional webinar scheduled, advertising launched (July 10, 2020)
- Registration for fall online courses available (July 13, 2020)
- Online marketing campaign developed and launched (July 13, 2020)
- Course shells and lecture templates developed (July 2020)
- Promotional live webinar via Youtube (July 27, 2020)
- Course design and content building (July/August 2020)
- Intro to GIS and Advanced GIS offered (Fall 2020)

2021 RSENR Strategic Priorities Identified in 2020

- **Change the narrative to be increasingly biocentric, just, and equitable.**
- **Focus research on human-environment health and balance.**
- **Create an expanding, inclusive, life-long impactful learning experience and community.**
- **Reframe and harness technology to overcome barriers to radical change.**
- **Collaborate to expand and redefine expertise, leverage networks, and reach globally.**
- **Prepare RSENR to embrace and create change – Change by design.**
- **Create time spaciousness.**

Strategic Priorities for 2021

- **COVID 19: From Survival to Revival**
- **Focus on Justice and Equity**
- **Focus on Building Remote Learning Capacity**
- **Focus on Research Infrastructure**
- **Implement RSENR 2025 strategic vision**

COVID-19 Updates

Supervisors Please Track your Team

Marie is the Contact for Student Safety Issues

Center for Health and Well Being- students

Rose is the Contact for All other Covid Safety

COVID Information Center-staff and faculty

RSEN Web Site

RSENR COURSE Modality

Fall 2020

Number of Courses			
Program	In Person / Mixed	ONLINE	REMOTE
ENSC	40%	7%	53%
ENVS	72%	3%	22%
FOR	100%	0%	0%
NR	57%	13%	30%
PRT	50%	0%	50%
WFB	0%	0%	100%
Grand Total	61%	8%	31%

Student Enrollment			
Program	In Person / Mixed	ONLINE	REMOTE
ENSC	16%	15%	69%
ENVS	76%	3%	21%
FOR	100%	0%	0%
NR	55%	6%	40%
PRT	49%	0%	51%
WFB	0%	0%	100%
Grand Total	48%	6%	40%

Fall Meetings

- Monthly Faculty Meetings Tuesday Mornings
- Monthly All School Meetings Alternate Tuesday Mornings

All RSENR Retreat Tomorrow

1:30-4:30

1:30 DEI Workshop: Centering on Equity

**2:30 Classroom Technology Review and new Teams
Tools**

**2:30 Input on new Faculty Work Load Planning
Guidelines**

3:30 Best Practices for Advising and using Navigate

**3:30 Research Administration: Using Click and
Academic Analytics**

Good Luck this Fall Everyone
You are all Super Heroes!

