

Rubenstein School of Environment and Natural Resources

A person is captured in mid-air, jumping joyfully 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 shorts. The background shows a vast, hazy landscape under a clear sky.

2022 State of the School

August 24, 2021

Today's Highlights:

Introductions

Mission

Current School Stats

Shouts Outs

2022 Goals and Plans

Rubenstein School Leadership Team



Breck Bowden
Associate Dean for Research



Rose Feenan
Assistant Dean for
Business Services



Alayna Howard***
Communications Lead



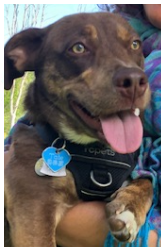
Nancy Mathews
Dean



Jen Pontius
Associate Dean for
Academic Affairs



Marie Vea
Assistant Dean for
Student Services



Tate



Franny

Dean's Suite and Student Services Team



Ryan Buckley,
Professional Advisor



Jackie Bruning
Receptionist



Brittany LaBeau,
Professional Advisor



Chelsea Davidson
Assistant to the Deans



Ben Langton
Professional Advisor



Lisi Lohre
Interim Grad Student
Coordinator



Danielle Moore
Recruitment and Retention
Coordinator



Anna Smiles-Becker
Career Counselor and
Internship Coordinator

Business Services Team



Rose Feenan
Assistant Dean for
Business Services

Business Office:

- **Susan Heisler** (goes by Sue) – Financial Transaction and Purcard Specialist
- **Sarah Warren** – Human Resource and Payroll Transaction Specialist
- **Liam O’Brien** – Business Office Special Projects Support



Kathleen Wells
Team Lead Business
Operations

Research Administration:

- **Anthony Fouche** – Post Award Research Administrator
- **Jennifer Le** – Pre Award Research Administrator (begins 9/7/21)

Rubenstein School Program Directors



Eric Roy/Carol Adair
Environmental Sciences

Tony D'Amato
Forestry

Amy Seidl/Brendan Fisher
Environmental Studies

Clare Ginger
Natural Resources



Matt Kolan
MPS, Leadership for Sustainability

Jason Stockwell
Wildlife and Fisheries

Pat Stokowski
Parks, Rec, Tourism

Laboratory and Research Property Directors



Kirstin Collins
Captain R/V Melosira



Tony D'Amato
Director
Research Forests



Marie English
Lab Manager
Aiken Forestry
Science Laboratory



**Brendan
Fisher**
Director
UVM Natural
Areas



Jason Stockwell
Director
Rubenstein Lab



Retirements



Gary Hawley
Research Associate



Jeffrey Hughes
Professor



Walter Kuentzel
Professor



Donna Parrish
Research Professor



New Faculty and their Courses



Noelia Barrios Garcia Moar
Lecturer



Paul Bierman
Professor



Chris Brooks
Lecturer



Arianna Chiappella
Research Associate



Laura Edling
Research Associate



Mariano Rodriguez-Cabal
Research Assistant Professor

2020-2021 Awards

National and International Recognition

- Taylor Ricketts, AAAS Fellow, Top 1% published ecologists in the world
- Maria Veal, American Educational Research Association - Outstanding Dissertation
- Trish O'Kane, Book Contract with HarperCollins Ecco Press
- Brendan Fisher, Fulbright Award 2021 (Spain)
- Bill Keeton, Fulbright Award 2020 (Austria)
- Jarlath O'Neil-Dunne, SAL, Tree Canopy Work, National Geographic Feature Story

RSENR Award

- Brittany Mosher and Anna Smiles-Becker, Marcia Caldwell Award

UVM Awards

- Amy Seidl, Presidential Outstanding Senior Lecturer Award
- Bill Keeton, UVM Office of Community-Engaged Learning (CELO), Lynne Bond Outstanding Service-Learning Faculty Award
- Dave Kestenbaum and Trish O'Kane, Outstanding COVID Adaptation Award
- Matt Kolan, Doctoral Program Award, UVM Graduate College



Special Recognition

Chelsea Davidson

**“Outstanding Leadership Team Support During
the Pandemic”**

Kathleen Wells

**”Outstanding Business Services Center Support
During the Pandemic**



Mission Question

How can RSENR unleash empathy, passion, innovation, and creativity to heal and radically change human-environment systems in a just, equitable, and ecological direction?

Vision

**A biocentric, just and equitable
future in harmony with nature and
the environment**

2020-2025 Strategic Priorities

- **Change the narrative to be increasingly biocentric, just, and equitable**
- **Focus research human-environment health and balance**
- **Create an expanding, inclusive, life-long impactful learning experience and community**
- **Collaborate to expand and redefine expertise, leverage networks and reach globally**

2020-2025 Strategies

- Reframe and harness technology to overcome barriers to radical change
- Prepare RSENR to embrace and create change-change by design
- Create time spaciousness

2022 RSENR Work Force

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|--------------------------|------|------|------|------|------|------|------|
| TT Faculty | 24 | 27 | 27 | 24 | 25 | 22 | 21 |
| Research Faculty | 12 | 12 | 9 | 12 | 9 | 7 | 9 |
| Extension Faculty | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| Lecturers | 10 | 10 | 8 | 10 | 9 | 12 | 13 |
| Post Docs | 6 | 6 | 7 | 8 | 7 | 5 | 11 |
| Admin/ Research Staff | 42 | 41 | 41 | 42 | 40 | 38 | 52 |
| Total | 96 | 98 | 93 | 97 | 91 | 85 | 107 |

Incoming Undergrads 2021

| UVM | RSENR |
|----------------------------------|---------------------------------|
| 2966 FTFY students | 221 FTFY students |
| 350 Transfer students | 31 Transfer students |
| 3316 New Students | 253 New Students |
| 642 from Vermont (19%) | 30 from Vermont (12%) |
| 47 states + Washington D.C | 28 states + Washington D.C |
| 353 (11%) Students of Color | 26 (10%) Students of Color |
| 2,191 (66%) Women | 168 (66%) % Women |
| 281 (9.5%) Honors College (FTFY) | 21 (9.5%) Honors College (FTFY) |
| 18.3% FTFY Yield | 28% FTFY Yield |
| 44.5% TR Yield | 55.4% TR Yield |

In State Cost= \$35,884; Out of State Cost = \$61,172

FTFY 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 |
| 2021 | 1204 | 794 | 65.9% | 221 | 27.8% | 1314 |

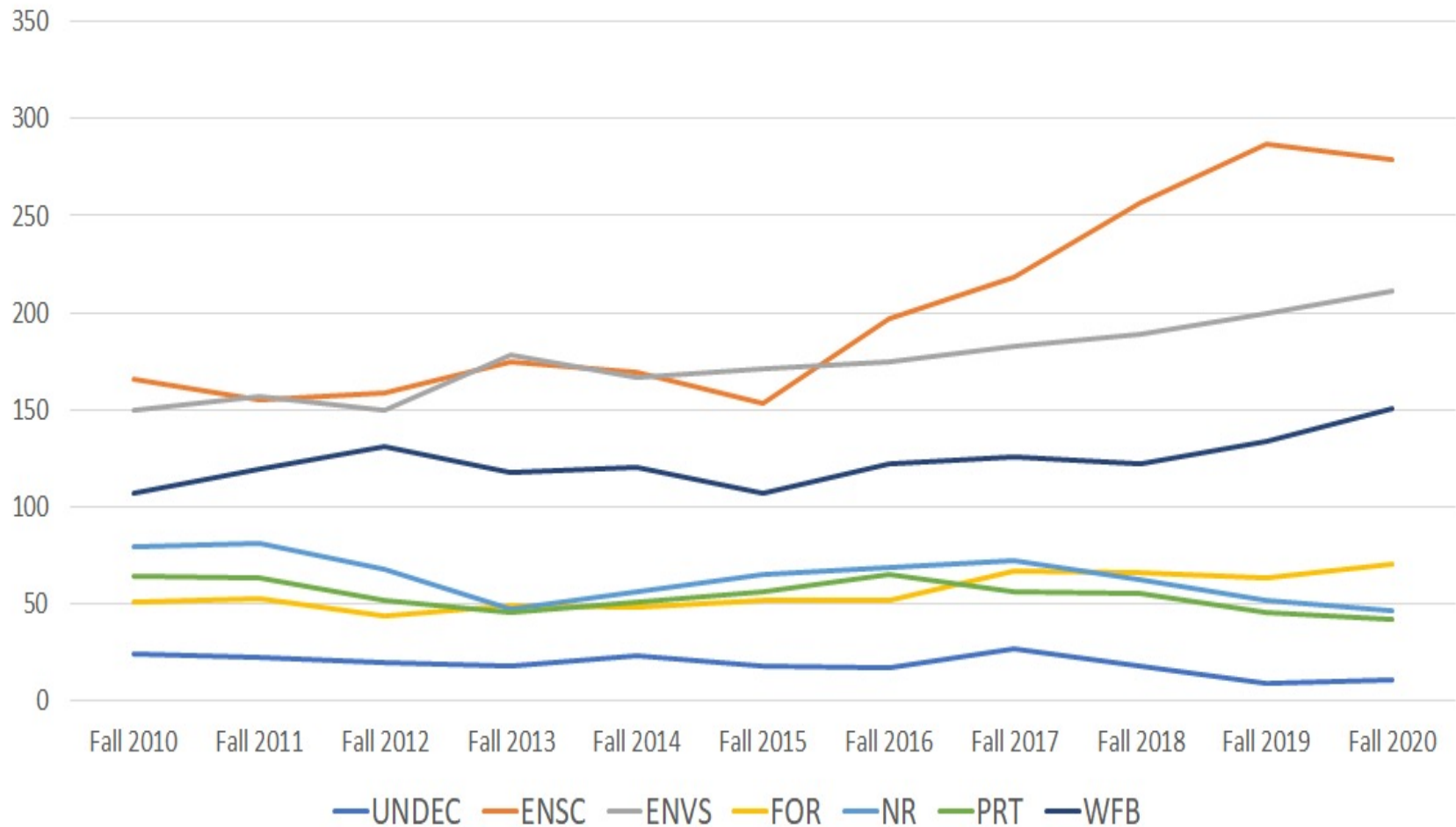
2021-2022

Rubenstein School Program Enrollment

| | TOTAL Fall 2018 | FTFY 2018 | TOTAL Fall 2019 | FTFY 2019 | Total Fall 2020 | FTFY 2020 | Total Fall 2021 | FTFY 2021 |
|-------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|
| ENSC | 260 | 77 | 292 | 79 | 268 | 80 | 293 | 90 |
| ENVS | 192 | 36 | 208 | 47 | 203 | 33 | 222 | 60 |
| WFB | 127 | 28 | 134 | 28 | 143 | 33 | 165 | 31 |
| FOR | 66 | 19 | 63 | 9 | 65 | 8 | 86 | 7 |
| NR | 65 | 6 | 55 | 5 | 44 | 2 | 42 | 6 |
| PRT | 56 | 1 | 45 | 1 | 38 | 3 | 47 | 4 |
| UND | 18 | 14 | 9 | 9 | 15 | 12 | 25 | 24 |
| TOTAL | 755 | 179 | 772 | 178 | 753 | 169 | 832 | 222 |

Source: Unofficial enrollment data until Drop/Add; program specific data includes double majors and study abroad

Enrollment by Program 2010-2020



Retention Rates 2013-2021

| | # 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 | 178 | *88.8% | | | |
| Fall 2018 | 179 | 84.4% | 75.4% | 85.3% | 79.6% |
| 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% |

Graduation Rates

Freshmen Classes of 2010-2016

| | # original cohort | RSENR 4year | RSENR 6year | UVM 4yr | UVM, 6 yr |
|-----------|-------------------|-------------|-------------|---------|-----------|
| Fall 2016 | 173 | 76.3%* | | 67.1% | |
| Fall 2015 | 146 | 69.2% | | 69.5% | |
| Fall 2014 | 140 | 69.3% | 75.7% | 63.6% | 75.5% |
| 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% |

*Highest at UVM Tied w CNHS

Congratulations Student Services Team

**Highest Graduation Rate for Class
of 2021 on Campus**

Marie, Anna, Danielle, Ben

2014-2021 RSENR Graduate Students

| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|--------------|------|------|------|------|------|------|------|------|
| LFS (MPS) | | 13 | 30 | 46 | 49 | 44 | 46 | 53 |
| NR Tot. | 100 | 94 | 91 | 85 | 92 | 86 | 94 | 95 |
| MS | 50 | 39 | 30 | 27 | 31 | 30 | 32 | 32 |
| PHD | 50 | 55 | 61 | 58 | 61 | 56 | 62 | 63 |
| Total | 100 | 107 | 121 | 131 | 141 | 130 | 140 | 148 |

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

Masters in Leadership for Sustainability

| MLS | Inquiries | Apps | Accepted | # BIPoC apps | Yield | Students | % BIPoC | # BIPoC |
|--------|-----------|------|----------|--------------|-------|----------|---------|---------|
| Year 1 | 58 | 13 | 13 | 2 | 92% | 12 | 25% | 4 |
| Year 2 | 75 | 20 | 18 | 3 | 89% | 16 | 19% | 3 |
| Year 3 | 130 | 29 | 25 | 11 | 72% | 18 | 33% | 6 |
| Year 4 | 141 | 32 | 22 | 6 | 73% | 16 | 25% | 4 |
| Year 5 | 146 | 26 | 17 | 7 | 88% | 15 | 27% | 4 |
| Year 6 | 170 | 40 | 22 | 11 | 91% | 20 | 35% | 7 |
| Year 7 | 179 | 46 | 21 | 17 | 95% | 20 | 60% | 12 |
| Total | 899 | 206 | 138 | 57 | 85% | 117 | 34% | 40 |

Proposals and Grants 2021

| Year | # Proposals | Total Amount Requested |
|--------|-------------|------------------------|
| FY 19 | 88 | 12,241,062 |
| FY 20 | 83 | 14,801,622 |
| FY 21* | 75 | 18,696,931 |

| Year | # Awards | Award Amount | Award Amount (Indirects) | Effective F&A Rate |
|--------|----------|--------------|--------------------------|--------------------|
| FY 19 | 51 | 4,759,331 | 614,005 | 12.9% |
| FY 20 | 56 | 9,0004,648 | 1,145,920 | 12.73% |
| FY 21* | 37 | 10,601,139** | 1,023,581 | 13.5% |

* 11 mos of data
 **Excluding RV and Mansfield

RSENR Extramural Funding (2015-2021)

| FY | Direct | F&A | Total | # |
|-------|---------------|--------------|---------------|-----|
| 2015 | \$ 3,653,000 | \$ 531,000 | \$ 4,184,000 | 49 |
| 2016 | \$ 3,824,000 | \$ 539,000 | \$ 4,363,000 | 41 |
| 2017 | \$ 3,835,520 | \$ 520,787 | \$ 4,356,307 | 55 |
| 2018 | \$ 3,791,885 | \$ 638,215 | \$ 4,430,100 | 40 |
| 2019 | \$ 4,145,331 | \$ 614,005 | \$ 4,759,336 | 51 |
| 2020 | \$ 7,858,728 | \$ 1,145,920 | \$ 9,004,648 | 47 |
| 2021 | \$ 10,601,391 | \$ 1,023,581 | \$ 11,624,972 | 37 |
| Total | \$ 37,709,855 | \$ 5,012,508 | \$ 42,722,363 | 320 |

FY21 Total number of PI's with grant activity = 18

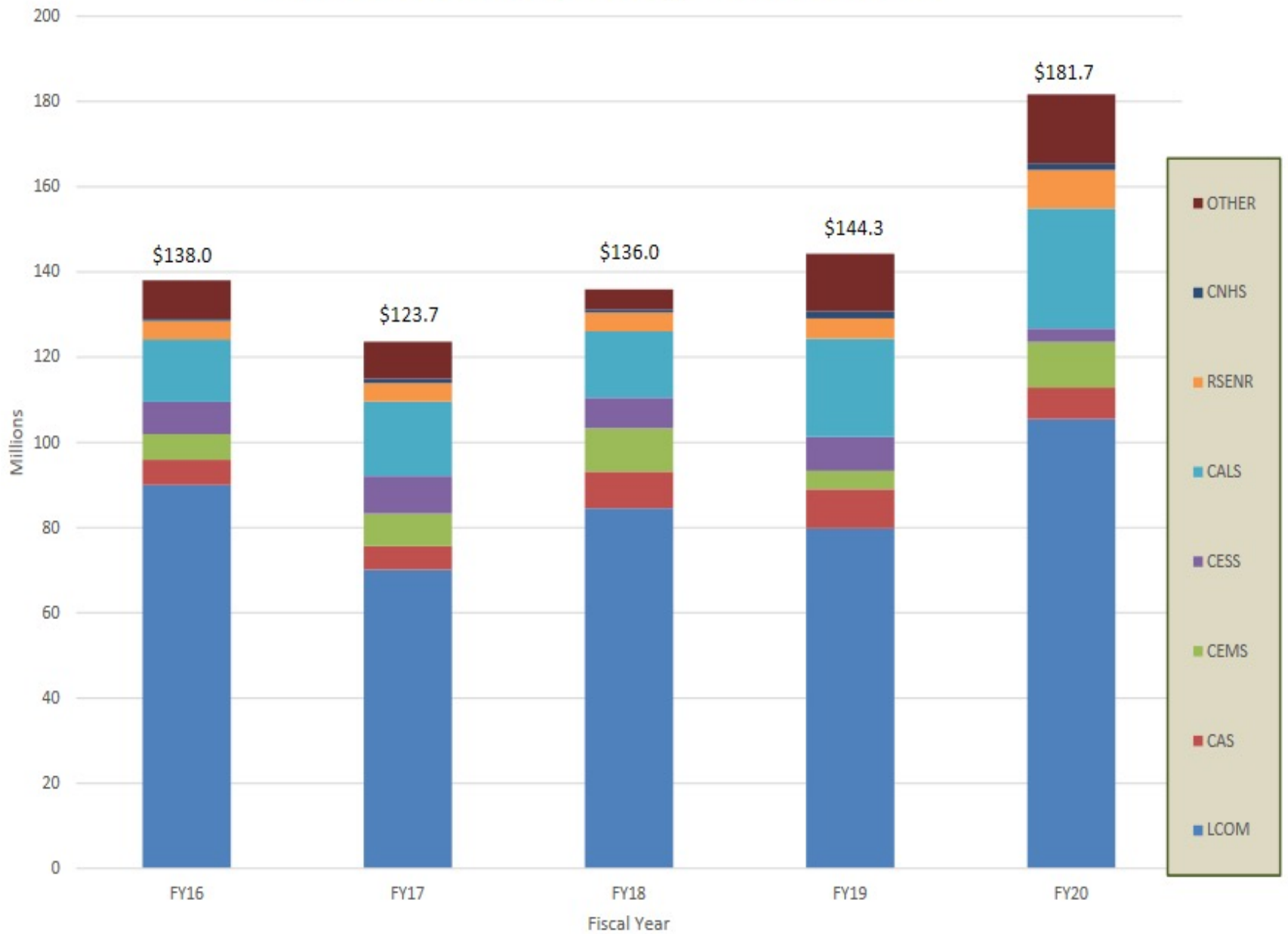
FY21 Annual Average per Active PI = \$645,832

Extramural Funding FY 20

| College / Unit | FY19 | FY20 | | FY20 \$ Amount | \$ Amount change | % Amount change |
|----------------|-------------|----------------------|-------------|----------------------|---------------------|-----------------|
| | # of Awards | FY19 \$ Amount | # of Awards | | | |
| 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% |

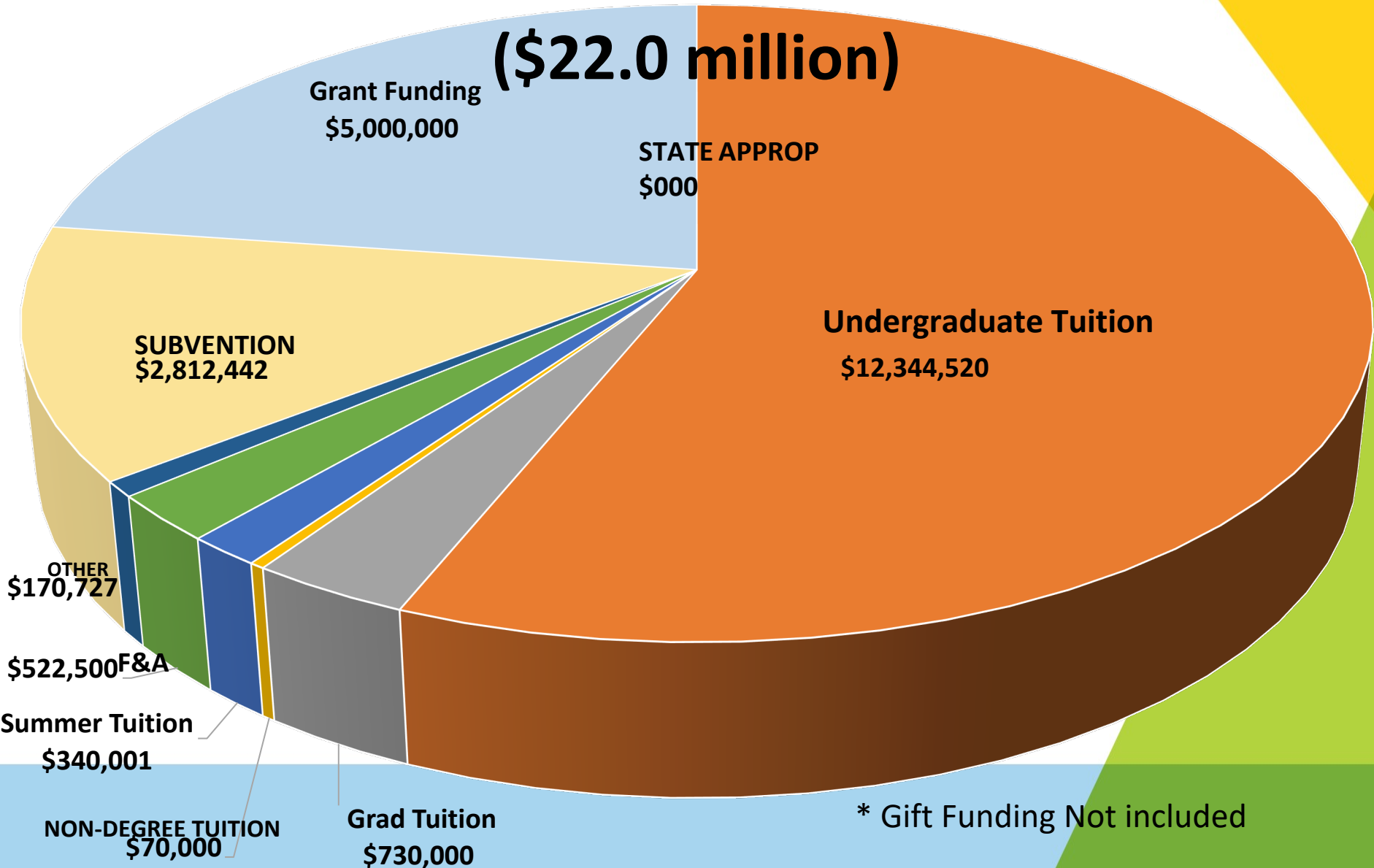
Adjusted RSENR growth FY 19-22= 144%

Award Summary by College - FY16 to FY20



RSENR FY20 SOURCES OF REVENUE

(\$22.0 million)



GST Update

Year 1: Student Progress in Certificate

| Certificate Students | |
|----------------------|--------|
| Status | Number |
| Total pop. | 32 |
| Enrolled | 27 |
| 1 course | 5 |
| 2 courses | 8 |
| 3 courses | 3 |
| Completed cert. | 1 |

- First student completed Certificate in 4 months, second in 6 months
- Many on track to complete in fall have expressed interest in going beyond the 4 course requirement

"I enjoyed this course and benefited greatly from the online, mostly asynchronous format in terms of being able to take this class on top of a 40-hour work week." - Advanced GIS

"I really loved the course! I wish it was longer, so I could have practiced using ArcGIS Pro more" - Intro to GIS

"This was one of my favorite courses I've ever taken. It touched on theory and practical applications. I feel like I am walking away with a critical eye for data design that I hope to apply in many projects to come"

- Data Visualization

GST Update

Year 1: Courses and enrollments

| GIS Enrollment Tracker | | | | | | | |
|------------------------|---------|------------|----------|---------|------------|------|----------|
| Course | Term | Non-credit | | | Credit**** | | |
| | | Inquiries | Enrolled | | UGS | Grad | Cont' Ed |
| | | | Actual | Goal*** | | | |
| Introduction to GIS | FA20 | 44 | 11 | 12 | NA | NA | NA |
| Advanced GIS | * | 7 | - | - | - | - | - |
| Introduction to GIS | SP21 | 63 | 6 | 12 | NA | NA | NA |
| Advanced GIS | SP21 | 22 | 13 | 12 | NA | NA | NA |
| Data Visualization | SP 21 | 9 | 2 | 12 | 15 | 12 | 2 |
| Geospatial Analysis | SP 21 | 93 | 1 | 12 | 10 | 9 | 1 |
| Data Visualization | SU 21** | 9 | 8 | 12 | 2 | 2 | - |

*Moved to spring

**Spans FY21 and FY22

*** Goal of 12 non-credit students per course set prior to hybrid format

**** Consistently saw ~50/50 in-state/out-of-state credit students

The Next Generation *R/V Melosira* Boat Arrives May 2021!

Thank you Steve Cluett, Kirstin Collins 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

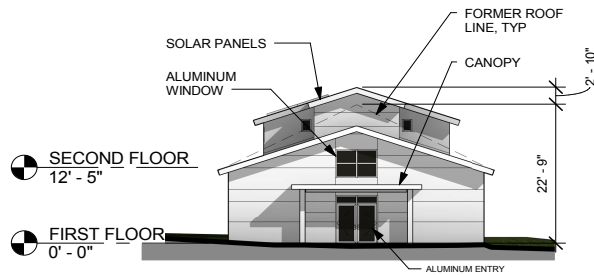
Passenger Capacity- up to 49 persons*

Class Size Capacity –up to 32 persons from 20

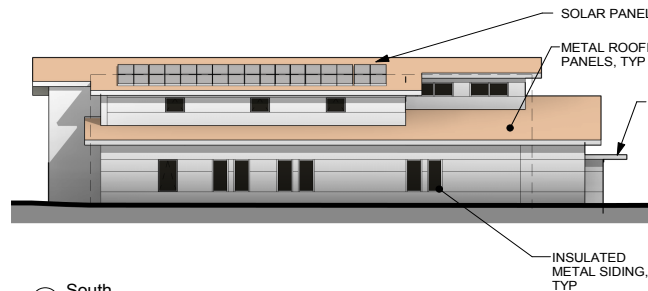


The University of Vermont

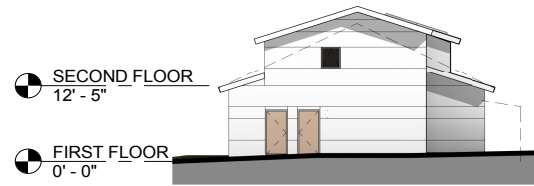
Mt. Mansfield Science and Stewardship Center



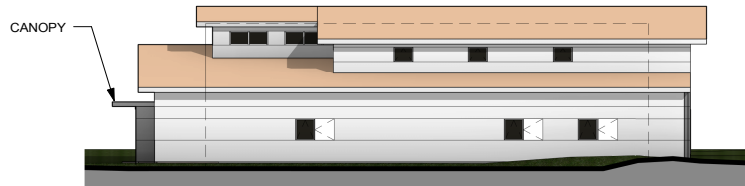
① East
1/16" = 1'-0"



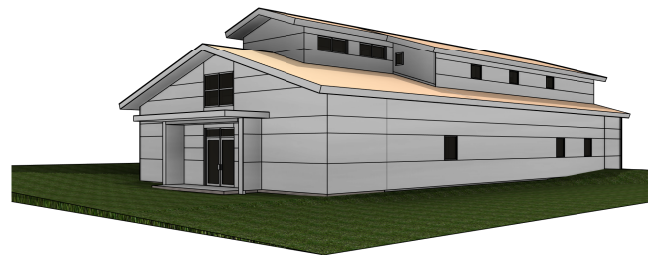
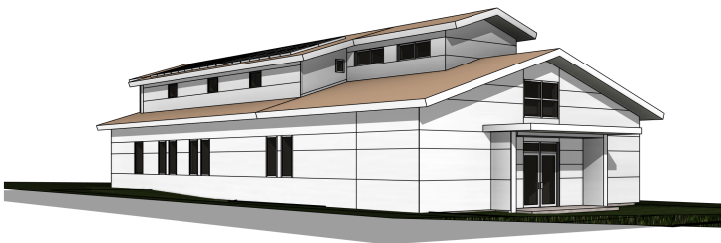
② South
1/16" = 1'-0"



③ West
1/16" = 1'-0"



④ North
1/16" = 1'-0"



SCOTT + PARTNERS
Architectural

1000 W. MAIN ST. SUITE 200
MOUNTAIN VIEW, VT 05647
TEL: 802.253.1234 FAX: 802.253.1235

Project name:
Mt. Mansfield Research Facility

Mt. Mansfield Summit House

Scale: 1/16" = 1'-0"
Project no: 15-1109
Checked by:
Drawn by: KT
Date: 03/28/16
Issue sketch date: 03/28/16

| Date | Revisions |
|------|-----------|
| | |

Sketch title:
OPTION C
ELEVATIONS

Sketch no:
C-3

Strategic Priorities for 2021

- COVID 19: In Person- Health and Wellbeing
- Center Justice and Equity
- Hiring Plan 2022-2025
- Increase Remote Learning Capacity
- Assess Student Services and HR Hiring
- Research Infrastructure SPA 2.0/success
- Recruitment and advising (Sophomores)
- Launch two new ND Certificates
- Communications Program

Fall Meetings

- **Monthly Faculty Business Meetings**
Tuesday Mornings
- **Monthly Staff Meetings**

**All School Retreat Wednesday
12:00-3:30**

**“Perspectives on growing the
School and adding departments”**

Real Dialogue Training

With Dr. Polly Young-Eisendrath

**Thank you Chelsea and
Seth!**



This year can only
get better
than last!

Good Luck and Be Well