

Please also note these documents:  
[Environmental Data Workflows](#)  
<https://docs.google.com/spreadsheets/d/1CAgPNd-Kc6eo8jMzEtY8Xy9AYsZh5WySCLK8zAyV82c/>  
[Environmental Data Web Presences](#)  
<https://docs.google.com/document/d/1Zfzz7rc-m1eRDn9nTSDdLw8-dVrgZfJknWukZarfVhI/>

Response Summary

- 1 Lizz Ultee (ECSC)
- 2 Eric Moody (BIOL)
- 3 Kate Crawford (ENVS)
- 4 Emily Malcolm-White (MATH)
- 5 Will Amidon (ECSC)
- 6 Kevin Booth (STSS)
- 7 Erin Eggleston (BIOL)
- 8 Tara Federoff (ENVAFF)
- 9 Tim Parsons (FACSV)
- 10 Dean Ouellette (FACSV)
- 11 Matthew Curran (BUSSV)
- 12 Christopher Andrews (CSCI)
- 13 Julia Berazneva (ECON)
- 14 Andrea Vaccari (CSCI)

Response Last Update

2023 June 28 10:45 AM

Full Responses

(scroll down, one response per page)

Response number

1

Name

Lizz Ultee

Email

eultee@middlebury.edu

Please indicate the environmental data of interest.

Air Quality (Sciences/Bicentennial Hall)  
Air Quality (Campus/general)  
Air Quality (Bread Loaf/Rikert)  
Air Quality (Snow Bowl)  
Greenhouse Gas Inventory (Campus/general)  
Weather and Meteorological Data (Sciences/Bicentennial Hall)  
Weather and Meteorological Data (Campus/general)  
Weather and Meteorological Data (Golf Course/Myhre)  
Weather and Meteorological Data (Bread Loaf/Rikert)  
Weather and Meteorological Data (Snow Bowl)  
Weather and Meteorological Data (Venise Bay/Missisquoi Bay/Lake Champlain)

Please indicate the timing of your environmental data use.

Active  
Historical

Please indicate the purposes of your environmental data use.

Teaching  
Other -- personal interest - Wunderground citizen science

Please indicate the people involved with your environmental data use.

Faculty  
Staff  
Students

Lastly, please share more detail about your environmental data uses!

I teach climate and basic atmospheric science. It has been very valuable to have students visit the rooftop weather station at BiHall. I would also advocate for more weather stations to be connected to Wunderground, if possible, since the nearest National Weather Service site is in Burlington and we could use more met data in the southern Champlain Valley. :)

Response number

2

Name

Eric Moody

Email

ekmoody@middlebury.edu

Please indicate the environmental data of interest.

Water Use (Campus/general)  
Weather and Meteorological Data (Sciences/Bicentennial Hall)  
Weather and Meteorological Data (Campus/general)  
Weather and Meteorological Data (Golf Course/Myhre)  
Weather and Meteorological Data (Bread Loaf/Rikert)  
Weather and Meteorological Data (Snow Bowl)  
Weather and Meteorological Data (Venise Bay/Missisquoi Bay/Lake Champlain)  
Other -- Deicing compounds type/amount used.

Please indicate the timing of your environmental data use.

Active  
Envisioned

Please indicate the purposes of your environmental data use.

Teaching  
Research

Please indicate the people involved with your environmental data use.

Faculty  
Students  
Field or Discipline

Lastly, please share more detail about your environmental data uses!

I also have some data about some ponds and streams on campus properties that I collect regularly with my aquatic ecology course, and am happy to work with anyone who is interested in collecting more aquatic/riparian data of any kind on campus

Response number

3

Name

Kate Crawford

Email

kcrawford@middlebury.edu

Please indicate the environmental data of interest.

Air Quality (Sciences/Bicentennial Hall)  
Air Quality (Campus/general)  
Air Quality (Bread Loaf/Rikert)  
Air Quality (Snow Bowl)  
Electricity Use and Power (Sciences/Bicentennial Hall)  
Electricity Use and Power (Residence Halls)  
Electricity Use and Power (Campus/general)  
Greenhouse Gas Inventory (Campus/general)  
Steam Use (Campus/general)  
Water Use (Campus/general)  
Weather and Meteorological Data (Sciences/Bicentennial Hall)  
Weather and Meteorological Data (Bread Loaf/Rikert)  
Weather and Meteorological Data (Snow Bowl)  
Webcam Imagery and Video (Sciences/Bicentennial Hall)  
Webcam Imagery and Video (Campus/general)  
Webcam Imagery and Video (Golf Course/Myhre)  
Webcam Imagery and Video (Bread Loaf/Rikert)  
Webcam Imagery and Video (Snow Bowl)

Please indicate the timing of your environmental data use.

Active  
Envisioned  
Historical

Please indicate the purposes of your environmental data use.

Teaching  
Research

Please indicate the people involved with your environmental data use.

Faculty  
Staff  
Students

Lastly, please share more detail about your environmental data uses!

As an environmental health scientist, I rely heavily on these and other environmental data resources in both my teaching and research at Middlebury. Thank you for your help maintaining these monitoring and data resources.

Response number  
4

Name  
Emily Malcolm-White

Email  
emalcolmwhite@middlebury.edu

Please indicate the environmental data of interest.

- Air Quality (Sciences/Bicentennial Hall)
- Air Quality (Campus/general)
- Air Quality (Bread Loaf/Rikert)
- Air Quality (Snow Bowl)
- Electricity Use and Power (Sciences/Bicentennial Hall)
- Electricity Use and Power (Residence Halls)
- Electricity Use and Power (Campus/general)
- Greenhouse Gas Inventory (Campus/general)
- Steam Use (Campus/general)
- Water Use (Campus/general)
- Weather and Meteorological Data (Sciences/Bicentennial Hall)
- Weather and Meteorological Data (Campus/general)
- Weather and Meteorological Data (Golf Course/Myhre)
- Weather and Meteorological Data (Bread Loaf/Rikert)
- Weather and Meteorological Data (Snow Bowl)
- Weather and Meteorological Data (Venise Bay/Missisquoi Bay/Lake Champlain)

Please indicate the timing of your environmental data use.

- Active
- Historical

Please indicate the purposes of your environmental data use.

- Teaching

Please indicate the people involved with your environmental data use.

- Faculty
- Students

Lastly, please share more detail about your environmental data uses!

I would love to be able to use environmental data from campus in my MATH 118 course (Intro to Data Science)!

Response number

5

Name

Will Amidon

Email

wamidon@middlebury.edu

Please indicate the environmental data of interest.

Electricity Use and Power (Sciences/Bicentennial Hall)

Electricity Use and Power (Residence Halls)

Electricity Use and Power (Campus/general)

Greenhouse Gas Inventory (Campus/general)

Steam Use (Campus/general)

Water Use (Campus/general)

Please indicate the timing of your environmental data use.

Envisioned

Historical

Please indicate the purposes of your environmental data use.

Teaching

Institutional Use

Please indicate the people involved with your environmental data use.

Faculty

Staff

Students

Lastly, please share more detail about your environmental data uses!

I am not currently using the data and don't have specific plans to do so. However, I have used energy data in the past and believe that making it easily available will open the door to creative ideas and solutions, etc. Thanks for everything you have done so far, which is massive!

Response number  
6

Name  
Kevin Booth

Email  
kbooth@middlebury.edu

Please indicate the environmental data of interest.  
Electricity Use and Power (Sciences/Bicentennial Hall)

Please indicate the timing of your environmental data use.  
Active

Please indicate the purposes of your environmental data use.  
Operational Use

Please indicate the people involved with your environmental data use.  
Staff

Lastly, please share more detail about your environmental data uses!  
I use the monitoring of power outages, especially overnight, to know when to survey instruments for complications or interruptions.

Response number  
7

Name  
Erin Eggleston

Email  
eeggleston@middlebury.edu

Please indicate the environmental data of interest.

- Air Quality (Sciences/Bicentennial Hall)
- Air Quality (Campus/general)
- Air Quality (Snow Bowl)
- Electricity Use and Power (Sciences/Bicentennial Hall)
- Electricity Use and Power (Residence Halls)
- Electricity Use and Power (Campus/general)
- Greenhouse Gas Inventory (Campus/general)
- Steam Use (Campus/general)
- Water Use (Campus/general)
- Weather and Meteorological Data (Sciences/Bicentennial Hall)
- Weather and Meteorological Data (Campus/general)
- Weather and Meteorological Data (Snow Bowl)
- Weather and Meteorological Data (Venise Bay/Missisquoi Bay/Lake Champlain)
- Webcam Imagery and Video (Sciences/Bicentennial Hall)
- Webcam Imagery and Video (Snow Bowl)
- Other -- Energy use at off-campus student and faculty housing properties (in aggregate as needed)

Please indicate the timing of your environmental data use.

- Active
- Historical

Please indicate the purposes of your environmental data use.

- Teaching
- Operational Use

Please indicate the people involved with your environmental data use.

- Faculty
- Students
- Field or Discipline

Lastly, please share more detail about your environmental data uses!



Response number

8

Name

Tara Federoff

Email

tfederoff@middlebury.edu

Please indicate the environmental data of interest.

Air Quality (Sciences/Bicentennial Hall)  
Air Quality (Campus/general)  
Air Quality (Bread Loaf/Rikert)  
Air Quality (Snow Bowl)  
Electricity Use and Power (Sciences/Bicentennial Hall)  
Electricity Use and Power (Residence Halls)  
Electricity Use and Power (Campus/general)  
Greenhouse Gas Inventory (Campus/general)  
Steam Use (Campus/general)  
Water Use (Campus/general)

Please indicate the timing of your environmental data use.

Active  
Envisioned  
Historical

Please indicate the purposes of your environmental data use.

Teaching  
Institutional Use  
Operational Use

Please indicate the people involved with your environmental data use.

Staff  
Students  
Community

Lastly, please share more detail about your environmental data uses!

I work in Environmental Affairs and will be helping to put together the STARS report. We also use this data in our internships with students year round in the Sustainability Solutions Lab!

Response number

9

Name

Tim Parsons

Email

tparsons@middlebury.edu

Please indicate the environmental data of interest.

Air Quality (Campus/general)  
Air Quality (Bread Loaf/Rikert)  
Air Quality (Snow Bowl)  
Weather and Meteorological Data (Sciences/Bicentennial Hall)  
Weather and Meteorological Data (Campus/general)  
Weather and Meteorological Data (Golf Course/Myhre)  
Weather and Meteorological Data (Bread Loaf/Rikert)  
Weather and Meteorological Data (Snow Bowl)  
Weather and Meteorological Data (Venise Bay/Missisquoi Bay/Lake Champlain)  
Webcam Imagery and Video (Sciences/Bicentennial Hall)  
Webcam Imagery and Video (Campus/general)  
Webcam Imagery and Video (Golf Course/Myhre)  
Webcam Imagery and Video (Bread Loaf/Rikert)  
Webcam Imagery and Video (Snow Bowl)

Please indicate the timing of your environmental data use.

Active  
Historical

Please indicate the purposes of your environmental data use.

Institutional Use  
Operational Use

Please indicate the people involved with your environmental data use.

Faculty  
Staff  
Students  
Community  
Field or Discipline  
Archival Access

Lastly, please share more detail about your environmental data uses!

In facilities we rely on our local weather data for many aspects of our operation-both during the growing season (IPM monitoring) as well as the winter (snow removal operations) I run our weather station down at Dragone Track, as well as a non-functioning one at present at Bread Loaf, and would love some help, i have software and network problems that are out of my skill base.

Response number  
10

Name  
Dean Ouellette

Email  
douellet@middlebury.edu

Please indicate the environmental data of interest.  
Electricity Use and Power (Sciences/Bicentennial Hall)  
Electricity Use and Power (Residence Halls)  
Electricity Use and Power (Campus/general)  
Greenhouse Gas Inventory (Campus/general)  
Steam Use (Campus/general)  
Water Use (Campus/general)  
Weather and Meteorological Data (Campus/general)

Please indicate the timing of your environmental data use.  
Active  
Historical

Please indicate the purposes of your environmental data use.  
Teaching  
Research  
Operational Use

Please indicate the people involved with your environmental data use.  
Faculty  
Staff  
Students  
Community

Lastly, please share more detail about your environmental data uses!

Response number  
11

Name  
Matthew Curran

Email  
matthewc@middlebury.edu

Please indicate the environmental data of interest.  
Electricity Use and Power (Sciences/Bicentennial Hall)  
Electricity Use and Power (Residence Halls)  
Electricity Use and Power (Campus/general)  
Water Use (Campus/general)  
Webcam Imagery and Video (Sciences/Bicentennial Hall)  
Webcam Imagery and Video (Campus/general)  
Webcam Imagery and Video (Golf Course/Myhre)  
Webcam Imagery and Video (Bread Loaf/Rikert)  
Webcam Imagery and Video (Snow Bowl)

Please indicate the timing of your environmental data use.  
Historical

Please indicate the purposes of your environmental data use.  
Business Use  
Institutional Use

Please indicate the people involved with your environmental data use.  
Staff  
Students  
Community

Lastly, please share more detail about your environmental data uses!

Response number

12

Name

Christopher Andrews

Email

candrews@middlebury.edu

Please indicate the environmental data of interest.

Air Quality (Sciences/Bicentennial Hall)  
Air Quality (Campus/general)  
Air Quality (Bread Loaf/Rikert)  
Air Quality (Snow Bowl)  
Electricity Use and Power (Sciences/Bicentennial Hall)  
Electricity Use and Power (Residence Halls)  
Electricity Use and Power (Campus/general)  
Greenhouse Gas Inventory (Campus/general)  
Steam Use (Campus/general)  
Water Use (Campus/general)  
Weather and Meteorological Data (Sciences/Bicentennial Hall)  
Weather and Meteorological Data (Campus/general)  
Weather and Meteorological Data (Golf Course/Myhre)  
Weather and Meteorological Data (Bread Loaf/Rikert)  
Weather and Meteorological Data (Snow Bowl)  
Weather and Meteorological Data (Venise Bay/Missisquoi Bay/Lake Champlain)

Please indicate the timing of your environmental data use.

Active  
Historical

Please indicate the purposes of your environmental data use.

Teaching  
Research

Please indicate the people involved with your environmental data use.

Faculty  
Students

Lastly, please share more detail about your environmental data uses!

I have just started a sabbatical project that will use some of the available data to parameterize creations as part of a visualization art project.

I have intended to make more use of it for my Information Visualization class, but I haven't had a chance to properly go through it and figure out the right way to add it to the class. After I have spent some time crawling over it I will have a better idea of its shape and how best to make use of it.

Response number

13

Name

Julia Berazneva

Email

jberazneva@middlebury.edu

Please indicate the environmental data of interest.

Air Quality (Campus/general)  
Air Quality (Sciences/Bicentennial Hall)  
Air Quality (Bread Loaf/Rikert)  
Air Quality (Snow Bowl)  
Electricity Use and Power (Campus/general)  
Electricity Use and Power (Residence Halls)  
Electricity Use and Power (Sciences/Bicentennial Hall)  
Greenhouse Gas Inventory (Campus/general)  
Water Use (Campus/general)  
Weather and Meteorological Data (Campus/general)

Please indicate the timing of your environmental data use.

Active  
Envisioned  
Historical

Please indicate the purposes of your environmental data use.

Teaching  
Research

Please indicate the people involved with your environmental data use.

Faculty  
Staff  
Students

Lastly, please share more detail about your environmental data uses!

I use the data in class and for student research.

Response number

14

Name

Andrea Vaccari

Email

avaccari@middlebury.edu

Please indicate the environmental data of interest.

Electricity Use and Power (Campus/general)

Electricity Use and Power (Residence Halls)

Electricity Use and Power (Sciences/Bicentennial Hall)

Other -- Generally interested in all the datasets and datastreaming. I'm indirectly part of the Environmental Data Team through the Tempo project

Please indicate the timing of your environmental data use.

Active

Envisioned

Historical

Please indicate the purposes of your environmental data use.

Operational Use

Please indicate the people involved with your environmental data use.

Faculty

Staff

Students

Archival Access

Lastly, please share more detail about your environmental data uses!

We have been discussing the design and deployment of a portal. I think it would be great to have some of this data available for the larger community, maybe synthesized to be more "digestible" by the general public. Thank you for supporting this effort!

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END RESPONSES, BEGIN TEMPLATE

Response number

Name

Email

Please indicate the environmental data of interest.

Please indicate the timing of your environmental data use.

Please indicate the purposes of your environmental data use.

Please indicate the people involved with your environmental data use.

Lastly, please share more detail about your environmental data uses!



