

URGE

Unlearning Racism in Geoscience



Department of Meteorology and
Atmospheric Science

Deliverable Session 7: Resource Map for the Department of Meteorology and Atmospheric Science at Penn State University

Below is a resource map developed by the Meteorology and Atmospheric Science Graduate Students Organization (MASGO). Topics covered include general recommendations, points of contact in the department and the college, student groups, DEIB-focused organizations, conflict resolution resources, mental health and wellness services, training materials, safety, professional development, and financial resources. This document contains links and needs to be updated yearly. These resources are to be shared with new graduate students through the MASGO graduate student group as well as the METEO 891 Professional Development required course.



Resource Map for METEO Grad Students

Recommendations to Maximize Grad Student Experience

- Meet regularly (weekly or bi-weekly) with advisor to discuss research and address any concerns you may have
- Form a committee early on in your grad school career and meet with your committee regularly (as soon as possible at least find people who are good options to work with...need to wait until after qualifying exam if a PhD student)
 - Do research by interacting with other faculty members
 - Ask faculty to be on a “proto-committee”
- Get to know other faculty and staff members at colloquium receptions and department happy hours to grow your support network
- Participate in events offered through MASGO and SSWIM
- Seek older graduate students as mentors and chat with them about any issues you may be having
- Get involved in clubs on campus that align with your interests
- Take advantage of professional development courses offered within the department

- Contact someone you trust in the department if you're experiencing any forms of discrimination or harassment

Penn State METEO Grad Student Handbook:

<http://www.met.psu.edu/academics/graduate-studies/handbook-graduate-students>

- It is recommended that all incoming graduate students familiarize themselves with the most recent department handbook for graduate students. This handbook provides important information about graduate student curriculum, procedures, compensation, etc.
- It is also recommended that all current graduate students re-acquaint themselves with the handbook every year, as the handbook is updated every academic year (and sometimes during an academic year)
- Important information about forming committees can be found on Page 2:

Incoming graduate students may consult with the Associate Head for the Graduate Program about their course selections for the first academic year and on how to proceed to obtain a research assistantship. Each student is expected to select a research topic or have received a research assistantship within the first academic year.

Once a research topic has been identified, each student must form a committee composed of the student's adviser and two or more other faculty members. One of the committee members may be from another institution if appropriate. Each semester, the committee should meet informally with the student to review the student's progress toward the degree and to offer advice as needed. The Graduate Program Coordinator in 501A Walker has a form on which committee members are to be listed.

Soon after passing the Ph.D. Qualifying Exam, each Ph.D. student must form a regular Ph.D. committee having at least four Graduate Faculty members, at least one of whom is from outside the Department of Meteorology and Atmospheric Science. Committee members from other institutions can be added as special members, beyond the minimum of the four Penn State members. A committee signatory page must be

obtained from the Graduate Staff Assistant in the department. Note that the Graduate School must be notified of the membership of the regular Ph.D. committee at least three weeks before the student's Comprehensive Exam is scheduled.

Points of Contact in METEO

- **Department Head:** Dr. Paul Markowski (pmarkowski@psu.edu)
- **Associate Department Head of the Graduate Program:** Dr. Jerry Harrington (jyh10@psu.edu)
- **Associate Department Head of the Undergraduate Program:** Dr. Jon Nese (j2n@psu.edu)
- **Associate Department Head for DEI:** Dr. Eugene Clothiaux (eec3@psu.edu)
- **MASGO Graduate Student DEI Representative(s):** Alex Massa (aym5836@psu.edu) and Josue Chamberlain (juc5014@psu.edu)
- **Department Ombudspersons:** Dr. Jerry Harrington (jyh10@psu.edu), Dr. Sukyoung Lee (sxl31@psu.edu), and Dr. Natasha Miles (nlm136@psu.edu)
- **Graduate Program Coordinator:** Karen Corl (kqc8@psu.edu)
- **Office Manager:** Lynn Persing (lak6@psu.edu)
- **Committee on Belonging, Meteorology and Atmospheric Science:**
Dr. Natasha Miles (nlm136@psu.edu) and Dr. Jose Fuentes (juf15@meteo.psu.edu)

Points of Contact in College of EMS

- **Associate Dean for Educational Equity:** Dr. Victoria Sanchez (vx20@psu.edu)

Associate Dean for Graduate Education and Research: Dr. Zuleima Karpyn (ztk101@psu.edu)

- **Coordinator of Multicultural Affairs:** James Guyton (irg6@psu.edu)
- **Administrative Support Coordinator:** Open, Search Underway (???@psu.edu)

Student Groups in METEO

- **Meteorology and Atmospheric Science Graduate Student Organization (MASGO):** <http://www.met.psu.edu/people/committees/masgo> (all grad students are on the Microsoft Team for MASGO; you can view announcements, post documents, and participate in discussion with this Team)
- **Society for Supporting Women in Meteorology (SSWIM):** <http://www.met.psu.edu/academics/undergraduate-studies/clubs-and-organizations/supportive-network-for-women-in-meteorology-swim/index.html>
- **METEO Public Speaking Club:** (more info to come)
- **Weather Data Science Club:** <http://www.met.psu.edu/academics/undergraduate-studies/clubs-and-organizations/psu-weather-data-science-club>
- **Penn State Chapter of AMS (PSUBAMS):** <https://sites.psu.edu/psubams/>

University DEI-Focused Organizations

- **WE ARE for Science:** <https://sites.psu.edu/weareforscience/>

- **Council of College Multicultural Leadership:** <http://equity.psu.edu/council-of-college-multicultural-leadership>
- **College of EMS Diversity Council:** <https://www.ems.psu.edu/resources-faculty-and-staff/diversity-council>
- **Graduate Women in Science (GWIS):** <https://sites.psu.edu/gwisstatecollege/>
- **Association for Women Geoscientists (AWG):** <https://sites.psu.edu/awgpennstate/>
- **Paul Robeson Cultural Center:** <https://studentaffairs.psu.edu/cultural>
- **Center for Spiritual and Ethical Development:** <https://studentaffairs.psu.edu/spiritual>
- **Out in STEM:** <https://sites.psu.edu/ostem/>
- **Minorities in EMS (MEMS):** <https://orgcentral.psu.edu/organization/mems>

Conflict Resolution

- **Reporting Bias:** <http://equity.psu.edu/reportbias>
- **Office of Human Resources:** <https://hr.psu.edu/>
- **Office of Educational Equity:** <http://equity.psu.edu/>

- **Office of Equal Opportunity and Access (Formerly Affirmative Action Office):** <https://equalopportunity.psu.edu/>
- **Gender Equity Center:** <https://studentaffairs.psu.edu/genderequity>
- **College of EMS Educational Equity:** <https://www.ems.psu.edu/educational-equity-staff>
- **Center for Sexual and Gender Diversity:** <https://studentaffairs.psu.edu/csgd>
- **Graduate Student Ombudsperson Program:**
<https://gradschool.psu.edu/graduate-student-life/graduate-student-ombudsperson-program/>

Mental Health and Psychological Services

- **Red Folder Initiative:** <https://redfolder.psu.edu/campus-resources/>
- **Counseling and Psychological Services:**
<https://studentaffairs.psu.edu/counseling>
- **Mental Health Services and Support:** <https://studentaffairs.psu.edu/health-wellness/mental-health-services-support>

Wellness Services

- **Fitness and Wellbeing Courses:**
<https://studentaffairs.psu.edu/campusrec/programs/fitness-wellbeing/custom>
- **Fitness Center:** <https://studentaffairs.psu.edu/campusrec/membership>

- **Intramural Sports:** <https://studentaffairs.psu.edu/campusrec/programs/competitive-sports>

Training Materials

- **Mentoring Resources for Graduate Students:** <https://gradschool.psu.edu/graduate-program-resources/mentoring-matters/#students>
- **Graduate School Teaching Certificate:** <https://gradschool.psu.edu/graduate-student-life/graduate-school-teaching-certificate/>
- **Science Communication Program:** <https://www.bellisario.psu.edu/research/centers/science-communication-program#>
- **Mental Health Outreach and Education:** <https://studentaffairs.psu.edu/counseling/outreach-education>
- **Mental Health First Aid:** <https://extension.psu.edu/adult-mental-health-first-aid>

Safety

- **Bystander Intervention:** <https://www.ems.psu.edu/about/who-we-are/administrative-structure/office-associate-dean-educational-equity/bystander>
- **Environmental Health and Safety:** <https://ehs.psu.edu/>
- **Facilities Safety:** <https://ehs.psu.edu/training>
- **Crime Prevention Course:** <https://www.aware.psu.edu/>

- **Cybersecurity:** <https://security.psu.edu/education-training/awareness/>
- **Anti-Hazing:** <https://psu.prevent.zone/courses/>

Professional Development

- **Development and Ethics in the Atmospheric Sciences (METEO 591):**
Provides a forum for discussion of scholarship and research integrity as well as critical components of professional development.
- **Professional Development for Graduate Students (METEO 897):** Offers practical and helpful advice to graduate students who are ready to begin exploring career opportunities.
- **Research Proposal Preparation in the Atmospheric Sciences (METEO 592):**
Familiarizes graduate students with research rigor, proposals, and processes.

Financial Resources

- **Penn State Food Pantry:** <https://thelionspantry.psu.edu/>
- **Food and Housing Support:** <https://studentaffairs.psu.edu/support-safety-conduct/basic-needs-support/food-support-and-basic-resources>
- **Employee Assistance Program:** <https://www.supportlinc.com/> (group code: pennstate)
- **PSU Tax Center (provides free tax preparation services for students):**
<http://www.psuvida.org/about.html>

- **Financial Literacy Mentoring Program:** <https://financialliteracy.psu.edu/mentoring-program/>

Additional Resources

- **Involvement Fair:** <https://studentaffairs.psu.edu/get-involved/student-organizations/involvement-fair>
- **Penn State Activity Engagement App:** <https://engagementapp.psu.edu/>
- **Graduate School Diversity Resources:** <https://gradschool.psu.edu/diversity/>
- **Student Disability Resources:** <http://equity.psu.edu/student-disability-resources>
- **Assessment of the Living, Learning, and Working Environment (ALLWE):** <https://www.ems.psu.edu/allwe>