

Ice Core Early Career Researchers Workshop

Organizers in 2025: Bess Koffman (Colby), T. J. Fudge (U. Washington), **Ursula Jongebloed (U. Washington)**, Julia Andreasen (U. Minnesota), Jacob Chalif (Dartmouth), Laurel Bayless (CU Boulder), Kara Lamantia (Ohio State)



Supported by NSF

ICECReW's Mission

Provide **early career researchers** (ECRs) who study **ice cores and related topics** with opportunities to meet each other and form **relationships**, learn **skills** relevant to academic work and beyond, and feel **included** in the ice core community.

We strive for:

- Inclusive participation
- Broad research representation
- Diversity, equity, and inclusion
- ECR leadership
- Produce a workshop product
- Adaptive focus on different topics



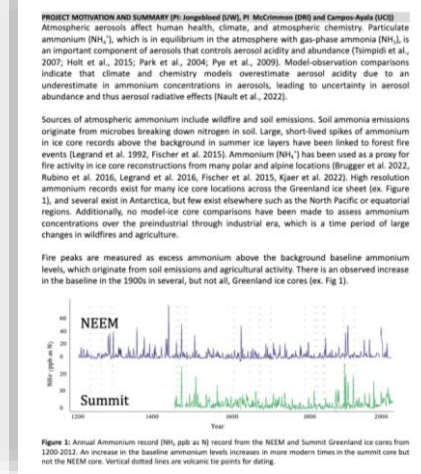
What does ICECReW look like?

- Usually the weekend before IceCOMM
- 30-40 participants (+/- 3 years of PhD)
- ~1.5 days
- US researchers; 50% women, 55% self-identified as member of underrepresented group (2022)
- 4-6 panelists from various career stages and career types



What does ICECReW do?

- **History and future of ice core science:**
 - Review major scientific discoveries made possible by ice cores
 - Assess current and burgeoning areas of ice core-related research
- **Science collaboration and proposal writing:**
 - Brainstorm new projects related to ice core science
 - Learn about the process of applying for funding
- **Career opportunities for ECRs studying ice cores:**
 - Discuss opportunities and job-search strategies for careers in academia, industry, and government
- **Scientific paper writing (in collaboration with COLDEX!):**
 - Share best practices for communicating scientific research in academic papers



Personal Statement on Research – Ursula A. Jongebloed

URSULA JONGBLOED

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Curriculum Vitae last updated April 26, 2024

EDUCATION

Exp. 2025 **PhD – Atmospheric Sciences**, University of Washington, Seattle, WA
2019–2022 **MS – Atmospheric Sciences**, University of Washington, Seattle, WA
Thesis: Preindustrial volcanic sulfate aerosol is underestimated in the Arctic: implications for radiative forcing
2014–2018 **BA (double major) – Earth Sciences (High Honors), Chemistry**, Dartmouth College, Hanover, NH
Thesis: Long-term Trends and Sources of Atmospheric Pollution in the North Pacific Region

PROFESSIONAL EXPERIENCE

2019–pres. **Graduate Student**, University of Washington, Seattle, WA
Investigating sources and chemistry of sulfate aerosols using ice cores and global modeling.

- Developed novel methods using anion-retaining resin and stable isotope mass spectrometry
- Model development and conducted simulations in GEOS-Chem global chemical transport model

2018–2019 **Research Assistant**, iCF Consulting Inc., Washington, D.C.
Perform research and writing to support the EPA's Stratospheric Protection Division.

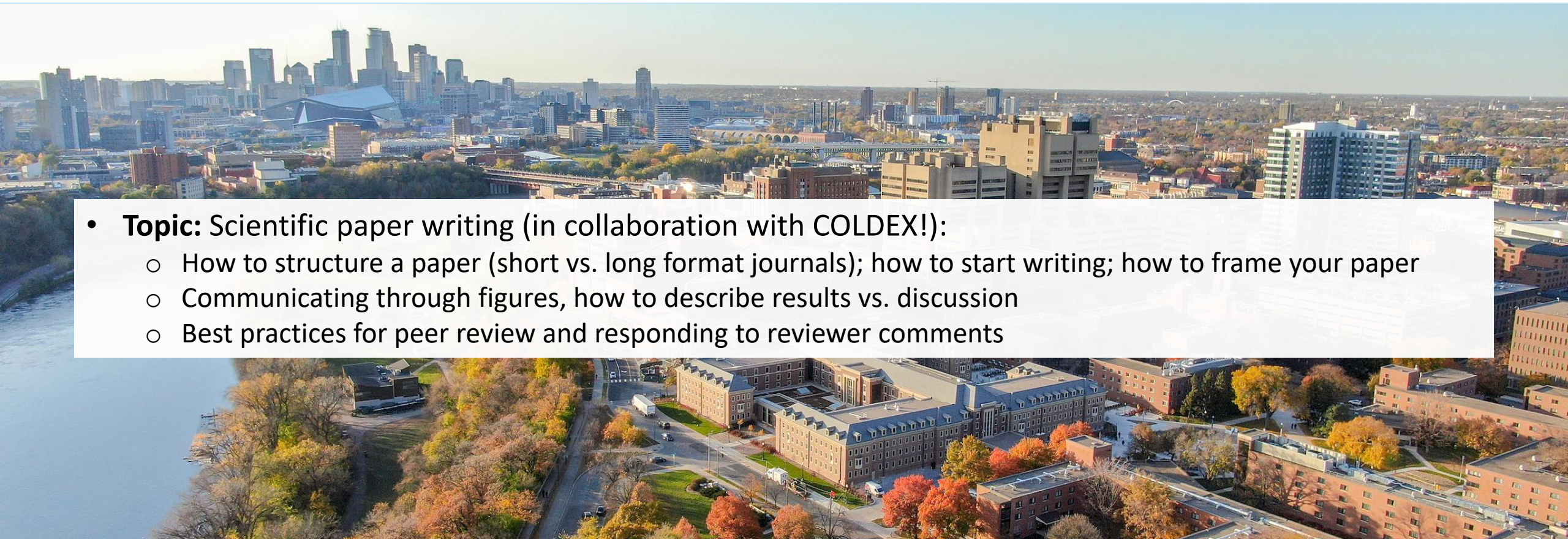
- US National Greenhouse Gas Inventory 2017: quantified ozone depleting substance emissions
- Significant and New Alternatives Policy (SNAP): supported refrigerant recycling program
- Ozone Depleting Substance Phaseout Program: created electronic reporting tool for stakeholders

2016–2018 **Researcher**, Dartmouth College, Hanover, NH
Studied atmospheric heavy metal pollution in the North Pacific region.

- Analyzed ice cores from Antarctica, Greenland, and Alaska and wrote honors senior thesis
- Used ion chromatography and mass spectrometry (IC-MS)

What is the plan for ICECReW 2025?

- **Location:** Minneapolis (or nearby St. Paul), Minnesota
- **Dates:** May 15-17, 2025
- **Who:**
 - ECRs in fields related to ice core science
 - YOU!

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- An aerial photograph of Minneapolis, Minnesota, showing the city skyline with several skyscrapers, a river, and a large university campus with brick buildings and trees in autumn colors. A semi-transparent white box is overlaid on the bottom half of the image, containing text.
- **Topic:** Scientific paper writing (in collaboration with COLDEX!):
 - How to structure a paper (short vs. long format journals); how to start writing; how to frame your paper
 - Communicating through figures, how to describe results vs. discussion
 - Best practices for peer review and responding to reviewer comments

How do I get involved?

- If you are an ECR, you should apply to participate in ICECReW!
- If you are a researcher (e.g., professor) reach out to an organizer!
- If you are a researcher in another field and want to bring this to your community, email us!
- **To get involved, apply for ICECReW 2025 or email an organizer:**

<https://herculesdome.org/icecrew-2025>

My email: ujongebl@uw.edu

"This was one of the most **well-organized and open/welcoming** workshops I have ever been a part of."

"For the first time since starting my program, **I feel like part of the ice core community.**"

"It provided a great way for me to interact with many people in my field that I haven't met before. I felt **really excited and hopeful about the future of ice core science!** I'm specifically looking forward to contributing to the synthesis publication."



Questions?

Get involved: <https://herculesdome.org/icecrew-2025>

Feel free to email me at ujongebl@uw.edu!



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