



October 4, 2022

Pierre Gentine is 2022 AGU James B. Macelwane Medal Recipient



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New York — Pierre Gentine, LEAP's Director was announced as the American Geophysical Union's (AGU) 2022 James B. Macelwane Medal recipient for significant contributions to Earth and space science. AGU, a nonprofit organization that supports 130,000 enthusiasts to experts worldwide in Earth and space sciences, annually recognizes a select number of individuals as part of its Honors and Recognition program.

The Macelwane Medal was named in honor of former AGU president James B. Macelwane (1953-1956) who was renowned for his contributions to geophysics. Macelwane was also deeply interested in teaching and encouraging scientists, founding the Department of Geophysics at St. Louis University and serving as Dean of the Graduate School, along with various other roles, all while always committing to teach at least one course.

Gentine is recognized by the global Earth and space sciences community for his tremendous personal sacrifices and selfless dedication to advancing Earth and space sciences. In addition, he is honored for the depth and breadth of his research, impact, and creativity, as well as his commitment to service, outreach, mentoring, and diversity.

Gentine is the Maurice Ewing and J. Lamar Worzel Professor of Geophysics in the Departments of Earth and Environmental Engineering and Earth Environmental Sciences at Columbia University. He also serves as the director of [LEAP](#) (Learning the Earth with Artificial Intelligence and Physics), an NSF Science and Technology

Center (STC) launched in 2021. "I am absolutely delighted, humbled, and grateful to be the recipient of the AGU Macelwane Medal," says Gentine. He continues to reflect, "Looking back, it is clear that the most important thing to me as a PI has been to build up a group and work with people most aligned with my values. When the group has some shared values, we advance together, we are synergistic, and also have fun working together. In our group, several of the core values are innovation, diversity, open-mindedness and respect to others' point of view and culture, but also having a critical eye on scientific results. Those are aligned with my key values."

Gentine joins other scientists, leaders, educators, journalists, and communicators from around the world who have made outstanding achievements and contributions by pushing forward the frontiers of science. Each recipient embodies the AGU's community's shared vision of a thriving, sustainable, and equitable future powered by discovery, innovation, and action. These recipients have worked with integrity, respect, and collaboration while creating deep engagement in education, diversity, and outreach.

AGU will formally recognize this year's recipients during [#AGU22 Fall Meeting](#), 12-16 December 2022 in Chicago, IL and online everywhere. This celebration is a chance for AGU's community to recognize the outstanding work of our colleagues and be inspired by their accomplishments and stories.

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AGU (www.agu.org) supports 130,000 enthusiasts to experts worldwide in Earth and space sciences. Through broad and inclusive partnerships, we advance discovery and solution science that accelerate knowledge and create solutions that are ethical, unbiased and respectful of communities and their values. AGU's programs include serving as a scholarly publisher, convening virtual and in-person events and providing career support. We live our values in everything we do, such as our net zero energy renovated building in Washington, D.C. and our Ethics and Equity Center, which fosters a diverse and inclusive geoscience community to ensure responsible conduct.