

AGU Ethics Policy and Practices Overview

AGU AI/ML Ethics Workshop 1 – Current State

Billy M. Williams

AGU EVP for Ethics, Diversity and Inclusion

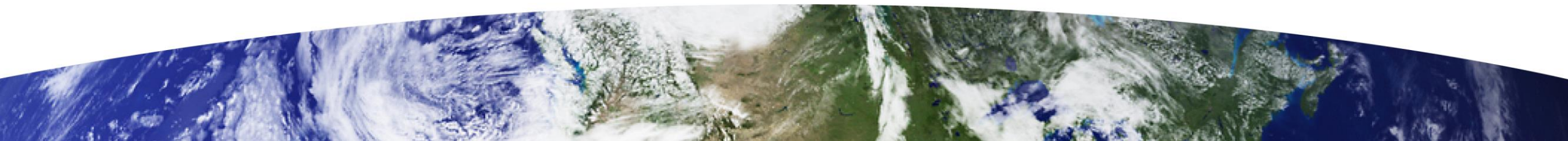
5 July 2022

Today's Discussion

AGU Background and Context

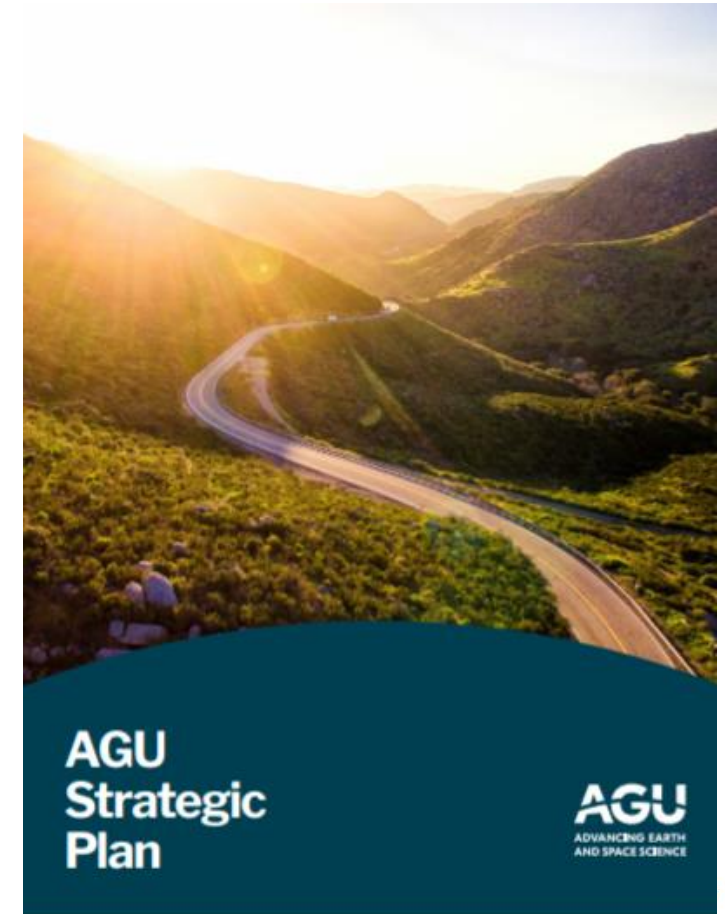
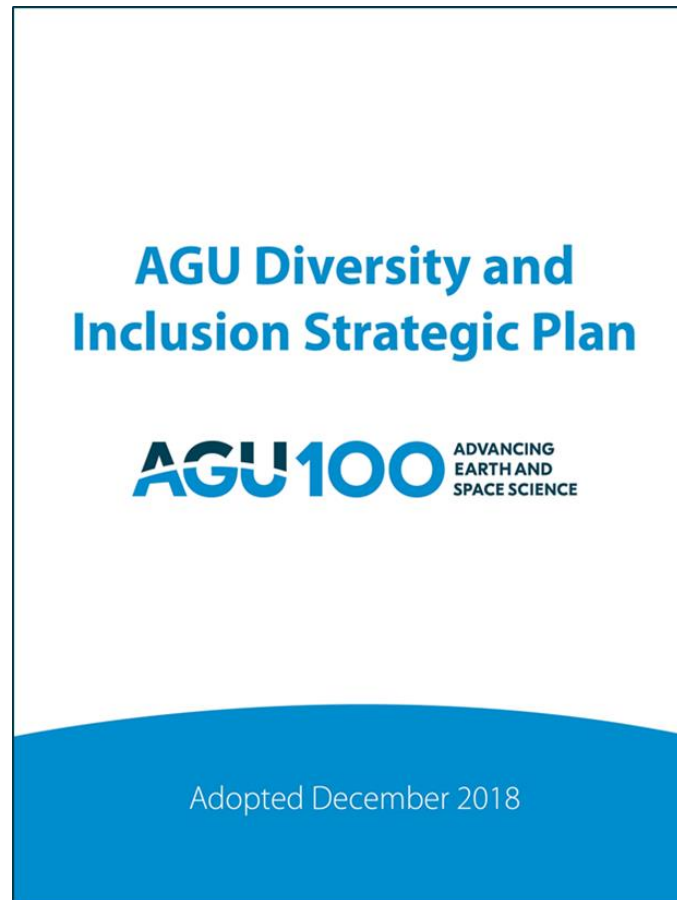
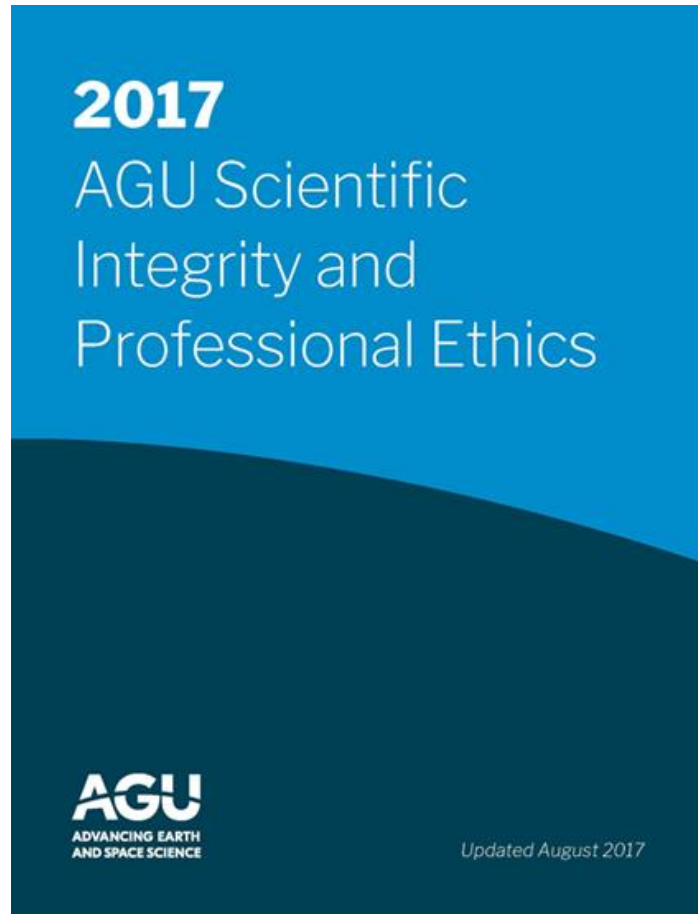
AGU Ethics Policy Formation and Focus

What has worked...potential leverage for AI/ML



AGU's Multilayered Policy Foundation:

Expressions of Values and Expectations: Essential Elements of Success



AGU Ethics Policy Formation

Task Force with Public Feedback: Principles and Codes adapted from:

- The Singapore Statement of the World Integrity Conference
- The Department of Interior Scientific and Scholarly Integrity Policy
- The International Council for Science Statue 5 – Principal of Universality
- The Belmont Report on Biomedical Research



AGU Ethics Policy Formation - Key Concepts

Move AGU beyond traditional scientific ethics definition...and these past limits:

- Falsification
- Fabrication
- Plagiarism



AGU Ethics Policy Focus

Code of Conduct – principles, responsibilities, and definitions

Volunteer Leaders Code of Conduct

Scientific Misconduct – where and how applied

Ethical Guidelines for Publications

Process for Investigating Complaints (including process diagrams)

AGU Meetings Code of Conduct

AGU Ethics Policy as Foundation for Culture Change

“What’s working for us” – 5 key items

Updated AGU Ethics Policy – defines “harassment” as scientific misconduct

AGU as Ethics Educators – Educational Workshops and Training at all Annual Meetings

Annual Ethics Summary Report to all Members (Transparency)

Professional Conduct Self- Disclosure Process

AGU Ethics and Equity Center Resources

2017

AGU Scientific
Integrity and
Professional Ethics

AGU
ADVANCING EARTH
AND SPACE SCIENCE

Updated August 2017

AGU Ethics Policy – Highlights and Limitations

Expanded AGU definition of “Scientific Misconduct” to include misconduct towards others (i.e., harassment, bullying, etc.)

Policy covers member misconduct that **harms another AGU member, or may bring harm to AGU’s mission or reputation**

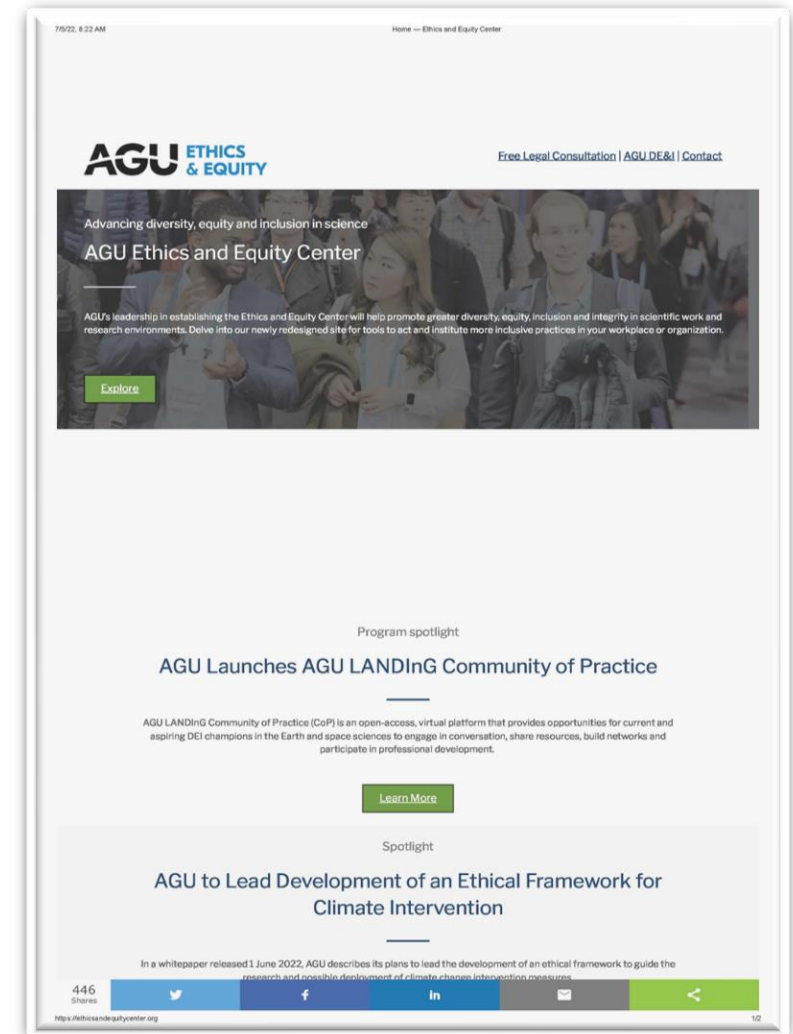
No Statutes of Limitations – case by case consideration

Policy **does not cover** misconduct **outside of AGU programming**

Additional Resources: AGU Ethics and Equity Center

Key Topics (Policies and Reports/ Education, Tools and Surveys / Workshops and Training)

- Antiharassment
- Data & Publication Ethics
- Diversity and Inclusion in Science (inclusive practices)
- Ethics in Science
- Climate Engineering Research Ethical Framework



Additional AGU Policy Leverage – Example



An initiative to advance professional and ethical conduct, climate & culture

- **Newly launched - AGU a Founding Member**
- ***130 societies have joined to-date***

Thank you

bwilliams@agu.org

<https://ethicsandequitycenter.org/>

AGU

ETHICS & EQUITY