

Wide Open Publications: Co-creating equitable and inclusive science through open practices in Geochemistry, Geophysics, Geosystems and beyond

JACKIE E DIXON¹, KRISTINA VROUWENVELDER²,
JENNY LUNN², MATTHEW GIAMPOALA² AND MIA
RICCI²

¹University of South Florida

²American Geophysical Union

Presenting Author: jdixon@usf.edu

Embracing open science practices is transformative for scientific research and can further diversity, equity, and inclusion by removing traditional barriers to sharing science, fostering a more inclusive scientific community, and increasing reproducibility, transparency, and trust in research. Scientific journals have an important role to play in implementing open practices and addressing inequalities in access to resources and opportunities, employing strategies ranging from article open access, policies addressing ‘parachute science’, to ensuring representation from marginalized groups in the publication process. The American Geophysical Union, publisher of 24 journals in the Earth, space, and environmental sciences, is transitioning to open access and has been actively working towards open practices in publishing, including innovative policies on global inclusion, open data and software, and more. We will discuss the challenges and opportunities presented by the open access transition of *Geochemistry*, *Geophysics*, *Geosystems* and our learnings from the wider landscape of efforts towards openness, diversity, equity, and inclusion across our journals.