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The Culture of Open Science: Building an Ethos that Feels like Home across the Earth, Space and Environmental Sciences -- One Step at a Time

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As a researcher, having access to well-documented research datasets and software relevant to your work can vary in difficulty based on your discipline and other factors. When it works well, you benefit from the ability to easily analyze and perhaps use those data and software. When it works poorly, you are sending emails to get access to datasets, asking for more information, hoping you will get responses, and then maybe trusting that you understand the data or software well enough to integrate, rework, or explore further.

How do we create more of the “beneficial” experience? How do we create a culture where having better tools, practices, and methods helps us achieve this goal? Well, it takes deliberate intent and patience in taking those initial first steps. Many of the difficult scientific questions still in front of us require access to more usable data and software, in easier ways, enabling us to “see” the complex systems of the universe better.

In this talk, we will share the work happening in AGU, their collaborators, and the broader community to take those initial steps, and support the culture of the future.