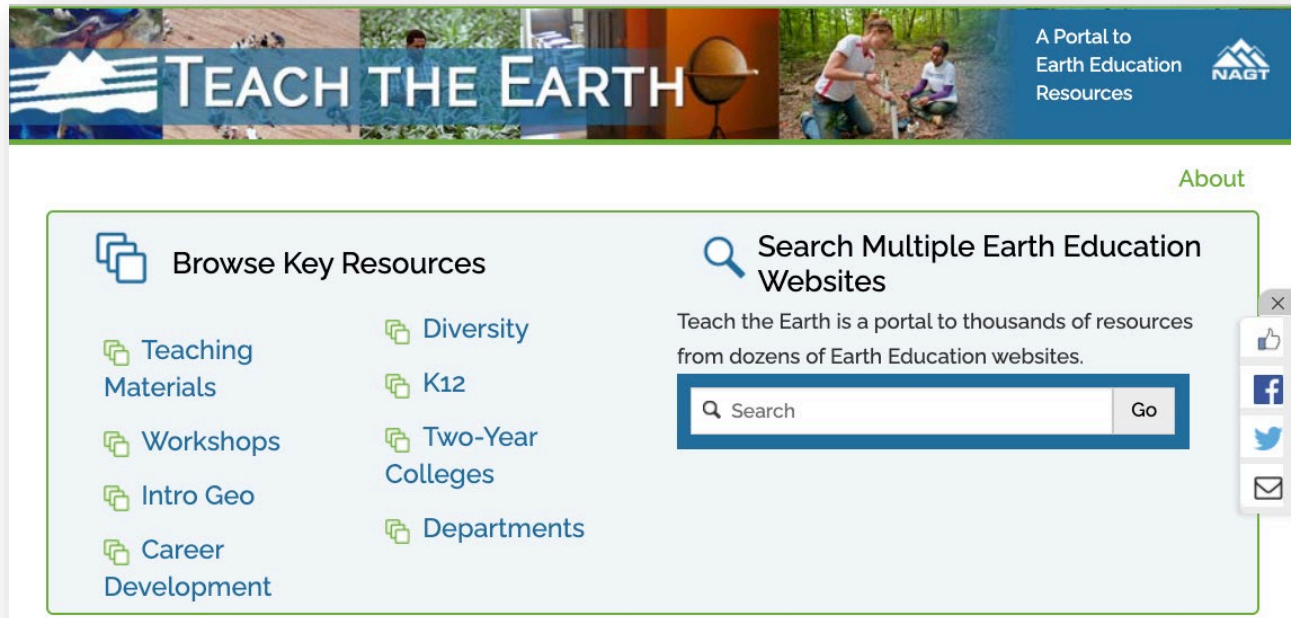




Anne Egger, Executive Director



Context: Education is a **complex system** with interactions and interdependencies between many components

- There is good work already happening in Earth system science education, but it is not evenly or equitably distributed throughout the system. Some of these complex interdependencies result in barriers to change that prioritize the status quo.
- The NGSS provide an unprecedented opportunity for Earth system science education to become an essential component of K-12 science learning that can then trickle up into undergraduate education, the citizenry, and the workforce, but that change will not just happen. This is not just a K-12 education issue—it requires changes in higher education. It is also not just an Earth science issue—it requires collaboration across disciplines.

Not everyone in the system is fully aware of their role in and the other parts of the system. NSF could support conversations that build understanding of the system that could lead to stronger proposals that can be transformative.