

Promoting Change in Undergraduate Geoscience Education-Examples from SERC

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serc.carleton.edu

The Science Education Resource Center is engaged in several projects aimed at using DLESE to motivate change in faculty classroom practice. Our websites are built using a content management system that exploits the DLESE Cataloging System and OAI protocols for resource management and sharing, enables tracking and cross-referencing of resource links, and supports content authoring by faculty across the country with minimal html expertise.

<http://serc.carleton.edu/NAGTWorkshops/>

<http://serc.carleton.edu/introgeo/>

On the Cutting Edge

This site uses DLESE thematic collections to support participants in our professional development workshop series and incorporates these resources in websites that make workshop content broadly available.

Starting Point: Teaching Introductory Geoscience

This site provides information on instructional methods and issues in teaching customized for geoscience faculty, examples of their use in entry level geoscience courses, and opportunities for sharing, feedback, and discussion

DLESE Community Issues and Groups

This site provides an entry point to what is happening in our community. Content is organized by issues such as improving diversity or increasing quantitative skills and by interest groups such as undergraduate faculty or solid earth sciences.

<http://dlesecommunity.carleton.edu/>

Using Data in the Classroom

This NSDL specialized portal is designed to provide faculty with information, examples, tools and data that support their use of data in the classroom. A special section for developers provides information about faculty needs for data access and manipulation.

http://serc.carleton.edu/research_education/usingdata/