

APR20-2020-020023

Abstract for an Invited Paper
for the APR20 Meeting of
the American Physical Society

SEISMIC: Using Equity and Inclusion Measurement to Motivate Change.¹

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At large research universities, foundational courses introduce hundreds or even thousands of students to STEM disciplines every year. Development of such courses and research into their efficacy should be a shared endeavor, yet it often takes place only locally - one discipline and one campus at a time. The Sloan Equity and Inclusion in STEM Introductory Courses project aims to change this. Motivated by a focus on equity and inclusion as central goals of the reform process, SEISMIC brings together more than a hundred individuals from ten institutions in a collaborative structure inspired by 'big science' research projects. This talk will describe the emergence and early progress of this R&D project, including parallel data analysis, coordinated experimentation, continuous exchange of speakers, and extended annual meetings.

¹The SEISMIC project is funded by a grant from the Alfred P. Sloan Foundation