

Meeting: 1003, Atlanta, Georgia, MAA CP M1, MAA Session on Environmental Mathematics and the Interdisciplinary

1003-M1-455 **Jane F. Schielack*** (janie@its.tamu.edu), ITS Center, 3257 TAMU, College Station, TX
77843-3257. *Connecting Current Environmental Science Research to Grade 7 - 14 Mathematics Classrooms.*

The NSF-funded Information Technology in Science (ITS) Center for Teaching and Learning (<http://its.tamu.edu>) at Texas A&M University provides a professional development environment in which mathematics and science teachers, graduate students, and researchers work together to use modeling, visualization, and analysis of complex data sets to connect current environmental science research to Grade 7–14 mathematics classrooms. During the two-year program, teachers work in interdisciplinary teams to design an instructional intervention relevant to their individual instructional settings, implement the interventions, and conduct educational research about the impact of the interventions on student learning. Instructional interventions designed by ITS participants to introduce environmental science topics into their instructional settings have been implemented in undergraduate geology and chemistry courses, AP Calculus and Statistics courses, and middle school general science courses. (Received September 14, 2004)