ADEM
Alabama Department of Environmental Management

20th Groundwater Conference
Tuesday, June 15, 2021
Virtual Agenda

8:00 **Welcome**

8:05 **Machine Learning Predictions of Groundwater Quality in the Mississippi Embayment**, Katherine Knierim, United States Geological Survey

10 Minute Break

9:15 *Cool-Ox®- 21 Years of Proven ISCO/ISCR Remediation and Advancements* Ingrid Patman, DeepEarth Technologies Inc.

5 Minute Break

10:00 **Monitoring Karst Aquifers for the Protection of Alabama Cave Shrimp and Tuscumbia Darter Habitats in North Alabama, USA** Gheorghe M. L. Ponta, Stuart W. McGregor, Rebecca A. Bearden, Geological Survey of Alabama; Christine F. Easterwood, U.S. Army Garrison-Redstone Environmental Management Division

10:20 **Spectral Analysis of Hydrographs from Selected Wells in Alabama** Greg Guthrie and Guohai Jin, Geological Survey of Alabama

10 Minute Break

10:50 **Using a Modified DRASTIC Model to Create an Aquifer Recharge Potential Map for Alabama** Mary Hastings Puckett, Greg Guthrie, and Gary Hastert, Geological Survey of Alabama

5 Minute Break

11:15 **Strategic HRSC for Optimized Remediation** Janet Castle, Eagle Synergistic

12:15 **Wrap up and Adjourn**