GSA/NAGT Digital Field Tools for Teaching Webinar Series

Using Virtual Landscapes for Remote Teaching

Tuesday, 30 June 2020, 11 a.m. MDT

About this Webinar:
The Virtual Landscapes Project (https://www.see.leeds.ac.uk/virtual-landscapes/) uses the Unity 3D game engine to create screen based simulations of real and imagined landscapes, and interactive 3D block models of geologic and topographic maps. It aims to enhance the training students receive in geological field and map skills, and to develop 3D visualization skills. This webinar demonstrates how virtual landscapes can be used in the online geoscience classroom to recreate aspects of geologic mapping training and augment understanding of how rock units are represented on geologic maps.

In addition to the regular webinar looking at the uses of the Virtual Landscapes, the presenters will do a follow up hands-on session two days later that will give participants a chance to explore the different virtual landscapes and their potential uses for themselves in a mentored (virtual) setting. This is a great opportunity to explore the Virtual Landscapes the way your students would experience them.

Presenters:
Jacqueline Houghton, University of Leeds
Mark Helper, University of Texas at Austin

Promotional Partners:
Association for Women Geoscientists
American Geophysical Union
American Geosciences Institute
American Water Resources Association
Association of Environmental & Engineering Geologists
Clay Minerals Society
Council on Undergraduate Research
Cushman Foundation for Foraminiferal Research
Geological Association of Canada
Geological Society of Australia
International Association of GeoChemistry
International Association of Geomorphologists
IRIS Consortium
Karst Waters Institute
Mineralogical Association of Canada
Mineralogical Society of America
National Association of State Boards of Geology
National Earth Science Teachers Association

Scientific Association Geologica Belgica
Society of Vertebrate Paleontology
Undergraduate Field Experiences Research Network
US National Chapter of the International Association of Hydrogeologists
GSA Continental Scientific Drilling Division
GSA Environmental and Engineering Geology Division
GSA Geoarchaeology Division
GSA Geobiology and Geomicrobiology Division
GSA Geoinformatics and Data Science Division
GSA Geophysics and Geodynamics Division
GSA Geoscience Education Division
GSA Marine and Coastal Geoscience Division
GSA Mineralogy, Geochemistry, Petrology and Volcanology Division
GSA Structural Geology and Tectonics Division
GSA Quaternary Geology and Geomorphology Division