Wednesday, October 12, 2016

Black Lab Pub, Churchill Room • 4100 Montrose Blvd.
Social 5:30 p.m., Dinner 6:30 p.m.

Cost: $30 Preregistered members; $35 non-members/walk-ups

To guarantee a seat, pre-register on the HGS website & pre-pay by credit card.
Pre-registration without payment will not be accepted.
Walk-ups may pay at the door if extra seats are available.

If you are an Active or Associate Member who is unemployed and would like to attend this meeting, please call the HGS office for a discounted registration cost. We are also seeking members to volunteer at the registration desk for this and other events.
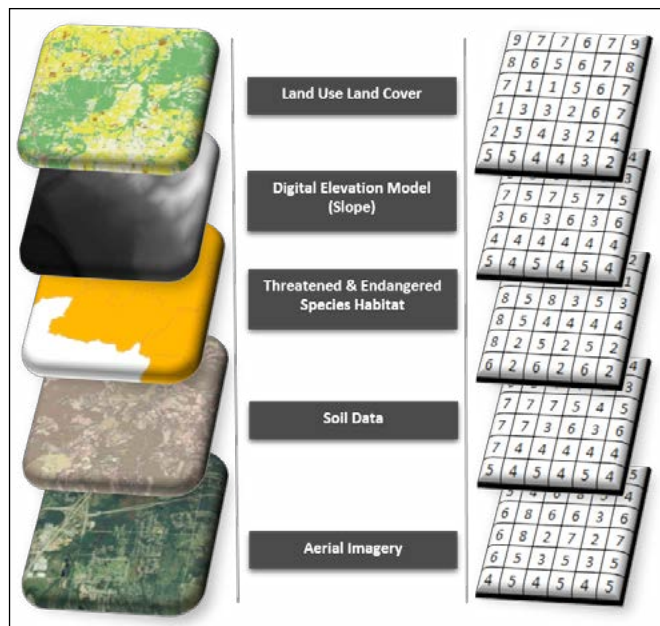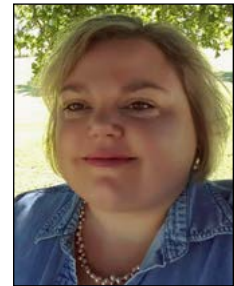
Rachel Turney-Work
National Geographic Information and Socioeconomic Lead
Enercon Services

Geospatial Data Solutions for Site and Corridor Siting Projects

A site or corridor selection project is only as good as the data it is built upon. Using ArcGIS products, historical corporate knowledge and publicly available geospatial data, a detailed siting process can be accomplished in a defendable, reproducible, and customizable way. This process will not only identify the most optimum route and/or site, but will also identify potential construction, real estate, and environmental issues associated with the selected sites so that there is adequate time for avoidance or mitigation. This talk will explore some of the frequently accessed public data sources and their uses, as well as a few ArcGIS processes that can help to make the often complex siting processes more automated. ■

Biographical Sketch

RACHEL TURNEY-WORK is the National Geographic Information and Socioeconomic Lead at Enercon Services and has more than 15 years experience as a Geographer and Project Manager. During her career, Ms. Turney-Work has completed numerous site selection and site feasibility studies in the United States and United Arab Emirates and has assisted in the development of a geospatial model designed to automate the GIS-based siting processes. Rachel received her BA and MA degrees in Geography from the University of Oklahoma.

Land Use Land Cover

Digital Elevation Model (Slope)

Threatened & Endangered Species Habitat

Soil Data

Aerial Imagery

Using ArcGIS, geospatial data can be easily integrated in ArcMap so that geographic relationships (e.g. proximity and clustering) can be identified and assessed. This illustration represents how data can be overlain in a GIS environment and converted into a single raster format.

HGS Environmental & Engineering Dinner Meeting