

ENVIRONMENTAL DATA VISUALIZATION: PAST, PRESENT, AND FUTURE

Session Chair:

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Why Data Visualization?

- ▣ Environmental data are relevant to sites undergoing cleanup (i.e., the past and present) or development (i.e., the present and future)
- ▣ Such projects are rife with uncertainty and a lack of true understanding of what is known:
 - Variability of subsurface conditions
 - 3-D study domain... underground
 - Sometimes 4-D
 - Data collection is expensive

Why Data Visualization?

- ▣ A few cliches:
 - “Knowledge is power”
 - “Know thine enemy”
 - “Knowing is half the battle”
 - “Experts often possess more data than judgment”
 - ▣ Colin Powell
- ▣ Our goal is to better understand your site before you spend \$1 M’s+ or \$10 MM’s+ on cleanup or development

Speakers

- ▣ Sarah Slagle-Garrett, P.E.
 - Project Engineer, O'Brien & Gere
- ▣ Ryan Coggins, P.E., S.I.
 - Lead Geotechnical and Materials Testing Engineer, Enercon Services, Inc.
- ▣ Raphaël Siebenmann, P.E.
 - Project Engineer, Geosyntec Consultants