Sound business decisions require the right information. At GES, we use the science of environmental informatics (EI) to provide our clients with the assurance of technically-sound information. EI incorporates GIS, dynamic simulation modeling, statistics, and other analytical and computer-based methods to study, manage, and share environmental data.

Our highly-skilled team provides leading-edge services for the analysis, modeling, and visualization of soil, vapor, and groundwater contamination issues and complex subsurface hydrogeological conditions. Findings are used to support site characterization and remedial efforts, risk assessments, litigation cases, and technically-sound business decisions.

We apply our environmental informatics capabilities to support clients in diverse settings and various market sectors, including exploration and production, refining and distribution, manufacturing, and power generation. Projects include environmental data management and analysis for the largest active refinery in the Western Hemisphere and many large-scale emergency response actions.

GES’ EI professionals have developed a variety of proprietary analytical and numerical models, custom databases, and other computing tools. We are also extremely experienced at applying commercially available models, software tools and database applications. As industry leaders, we participate with groups such as API, NGWA, ASTM and ITRC to develop guidance documents, teach workshops, and promote technical understanding. GES’ EI professionals are well known as authors of the API Interactive LNAPL Guide, an electronic information system to provide better understanding and tools for risk evaluation and conceptual site model development of petroleum-impacted sites.