



GIS SERVICES

What is GIS? A geographic information system (GIS) is a collection of computer software applications for capturing, storing, analyzing and managing data and associated attributes which are spatially referenced to the Earth. In the strictest sense, it is an information system capable of integrating, storing, editing, analyzing, sharing, and displaying geographically-referenced information. In a more generic sense, GIS is a tool that allows users to create interactive searches, analyze spatial information, edit data, maps, and present the results of these operations.

GIS technology can be used in a variety of ways including scientific investigations, resource management, asset management, Environmental Impact Assessment, Urban planning, cartography, criminology, history, sales, marketing, and logistics. For example, GIS allows emergency planners to easily calculate emergency response times in the event of a natural disaster, GIS can be used to evaluate wetlands that may need protection from pollution, or GIS can be used by a company to survey a new business site to take advantage of a previously underserved market.

ConnectKentucky has gained national recognition for using GIS technology to map high-speed internet (broadband) coverage. Our GIS staff is now available to consult with your organization in the following ways:

GIS assessment and planning services

Our GIS team can determine the most effective use of GIS to solve localized problems. Examples of assessment areas for consideration include, but are not limited to, the following: the availability and format of current data sources; the policies governing data structure and ownership; the staffing and administration of GIS functions within an organization; and the current configuration of organizational hardware and software.

Data creation and integration services

Many organizations have extensive data collections in either hard copy (printed format) or in electronic databases or spreadsheets. Our GIS team can convert existing forms of information into geocoded data sets that are commonly used with GIS applications.

Project management of GIS systems and related projects

ConnectKentucky's certified Project Management Professionals can guide GIS-related projects from conception to completion. Our project managers work to keep your project completed in a manner that is efficient, on-time and within budget.

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