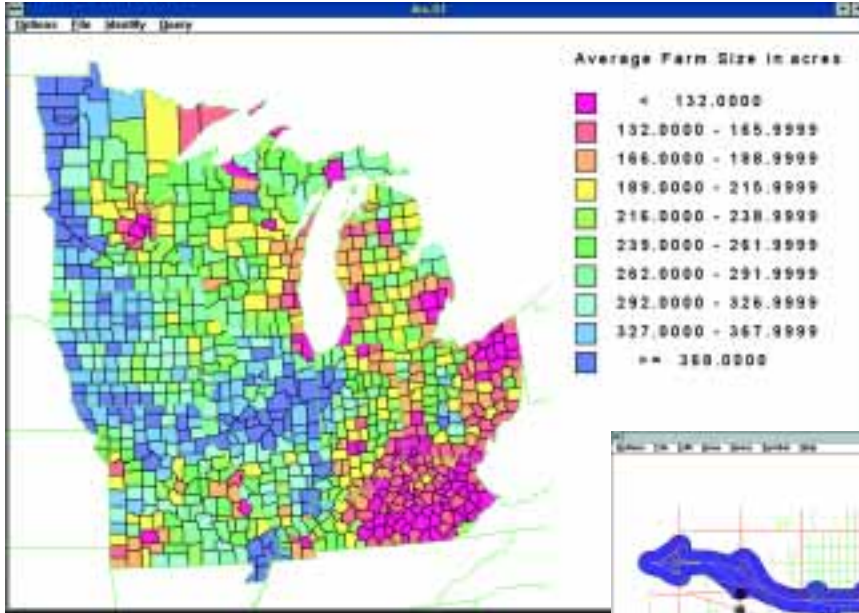# PC ARC/INFO® and Data Automation Kit

GIS Tools for Your PC

PC ARC/INFO

High-quality digitizing and data entry

Powerful topology building

Cartographic design and query

Spatial database query and analysis

Address matching and network analysis

Polygon overlay and buffering

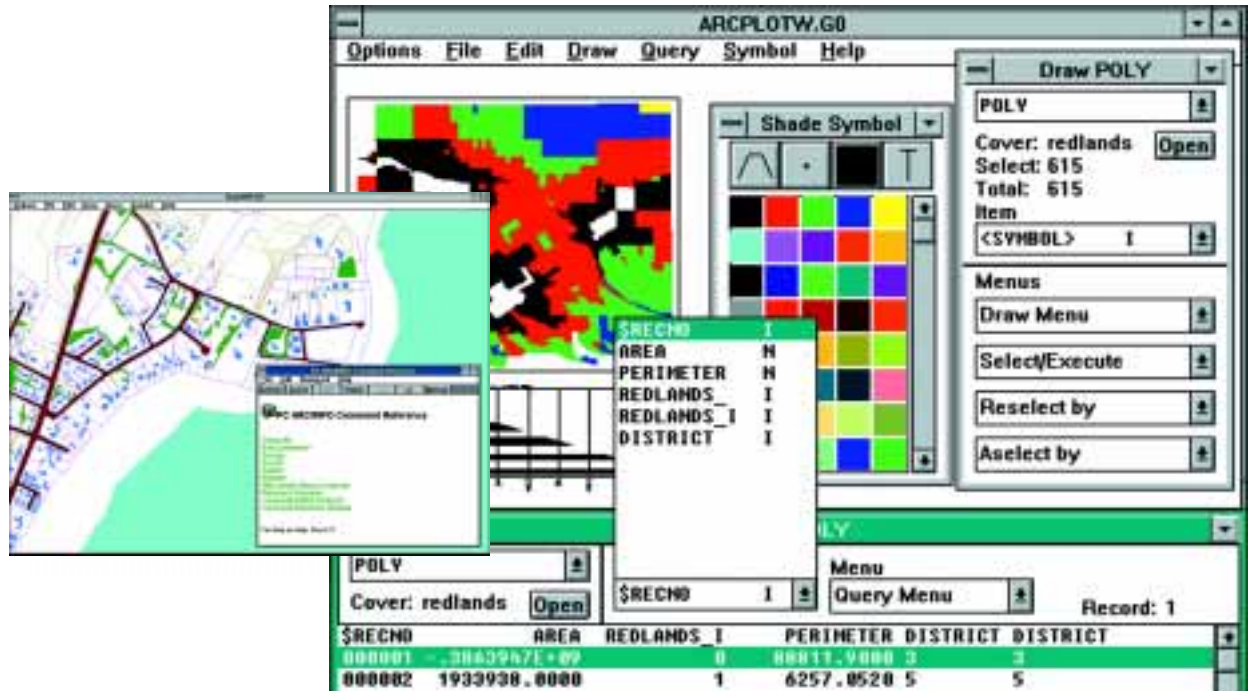Powerful editing of graphic and tabular map data

Complete data conversion

Customization with Simple Macro Language (SML™)

Full GIS Functionality

PC ARC/INFO® software gives you full geographic information system (GIS) functionality for the management, analysis, display, and mapping of geographic information on Windows® and DOS computers.

PC ARC/INFO is a series of six integrated software modules that combine fundamental GIS tools and utilities for cartographic design and query, data entry and editing, data translation, polygon overlay and buffering, and network analysis and modeling.

With PC ARC/INFO You Can...

Automate and manage your graphic and tabular map data.
Perform high-quality digitizing and data entry. Convert all your geographic data. Easily generate and update correct topology for your new map coverages and create attribute tables that store thematic data about coverage features.

Analyze your cartographic data. Manipulate and analyze your geographic information via polygon overlay, line- and point-in-polygon overlay, buffer creation, dissolve functionality, and more.

Produce high-quality cartographic output. Create presentation-quality hard-copy maps or build interactive on-screen applications.

Query your data. Perform multiple "what if" and "where is" queries on your cartographic or tabular data. Search for areas that meet a given set of criteria.

Customize to your exact needs. Use PC ARC/INFO software's Simple Macro Language (SML) to customize the user interface or automate repetitive tasks.
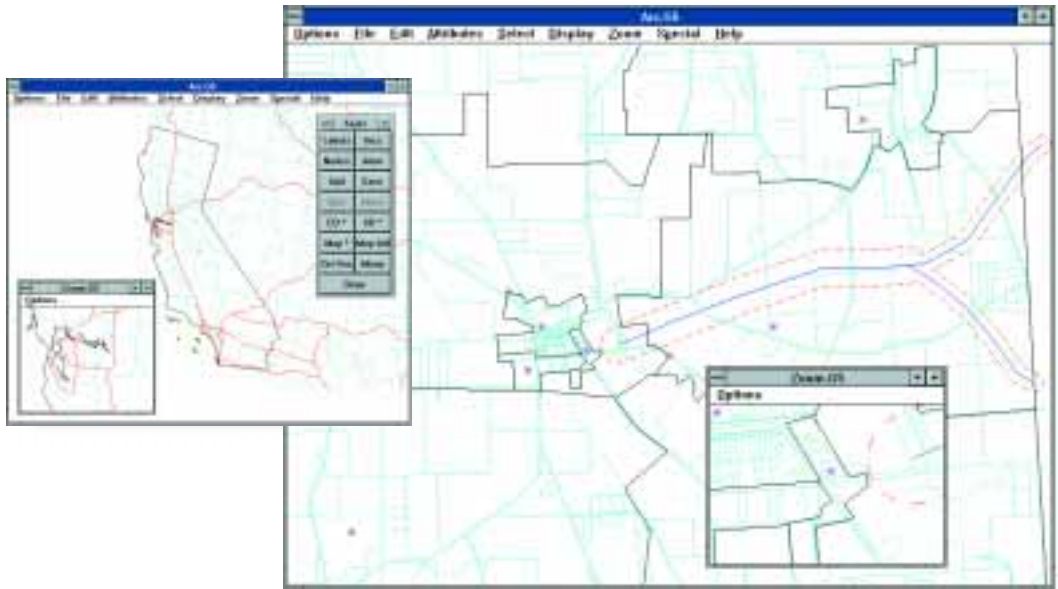
Perform network analysis. Analyze your network data such as roads, rivers, or electric power grids. Locate optimum paths to move resources through a network. Locate centers, such as schools or power substations, serving a given network. You can also perform address matching.

Full-Feature Stand-Alone GIS

PC ARC/INFO software consists of a set of sophisticated yet easy-to-use geoprocessing capabilities for the desktop. PC ARC/INFO is widely used as a stand-alone GIS workstation connected to a digitizer and printer/plotter. Because of its full GIS functionality coupled with affordability, PC ARC/INFO is popular with

• Environmental management consultants
• Federal agencies
• Forestry companies
• Local governments
• Universities
• Data conversion vendors

Whether you use PC ARC/INFO separately or integrate the software with other ESRI® solutions such as ArcView® GIS, you are getting the most often required spatial functions of ARC/INFO® software especially designed for your PC.
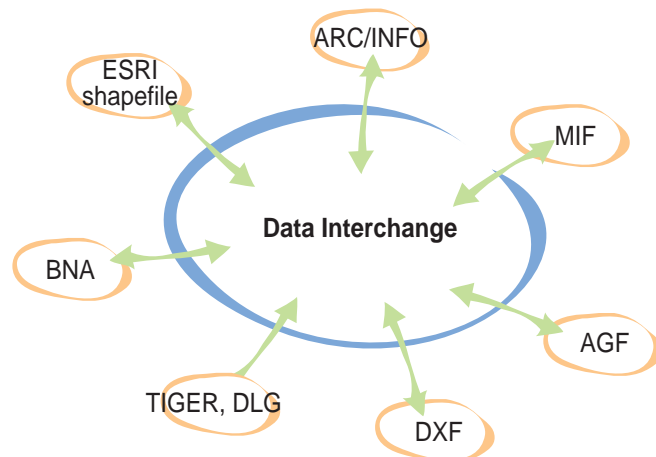
Data Automation Kit

Data Automation Kit (DAK™), a subset of PC ARC/INFO software, brings the best of PC ARC/INFO software's data automation tools to ArcView GIS and other desktop mapping software, providing functionality that previously existed only in a full ARC/INFO system.

High-Quality Digitizing and Data Editing

DAK includes tools for high-quality digitizing, feature-based editing, and full topological data creation in ARC/INFO format. Capabilities include moving, adding, and deleting individual vertices in arcs, as well as reshaping and splining coverage features. Features are selectable for editing either with the cursor or by specifying their attributes, giving you considerable flexibility in making precise changes.

Powerful Topology Building

Use ARC/INFO software's CLEAN and BUILD functions to generate and update correct topology for map features and to create the feature attribute tables that store their thematic data. The CLEAN function can analyze new arcs to identify new intersections and automatically resolve overshoot and undershoot errors after digitizing. Both locational and descriptive data can be manipulated.

ESRI shapefile · ARC/INFO · MIF · AGF · DXF · TIGER, DLG · BNA — **Data Interchange**

DAK

Complete Data Conversion

Convert a wide variety of data formats with DAK. Use and exchange spatial data in ARC/INFO export (.E00), ASCII, BNA, DLG (import only), DXF™, MapInfo, MIF, ESRI shapefile, and TIGER® (import only) formats. Use database tables directly in dBASE® format. Easily integrate data originating from these different format sources, build a topologically correct database, and export it to the native format of your desktop mapping software.

Sophisticated Map Projections

DAK includes the comprehensive map projection capabilities of ARC/INFO software including more than 46 map projections, 30 spheroids, and 200 datums, allowing your data to be transformed to virtually any map projection.

System Requirements (PC ARC/INFO, DAK)

- 486 or higher Intel®-based PC
- 25 MB disk space for software plus appropriate disk space for data storage and processing
- 4 MB RAM for Windows 3.x (12 MB if running ArcView GIS)
- 16 MB RAM for Windows 95® or Windows NT®
- Digitizer, CD–ROM recommended

PC ARC/INFO	DAK	Feature/Function
X		Cartographic Design and Query
X	X	Complete Data Conversion
X	X	Custom Application Development with SML
X		Geocoding or Address Matching
X	X	High-Quality Digitizing and Data Editing
X		Network Analysis
X	X	Powerful Topology Building
X		Spatial Database Query and Analysis (e.g., polygon overlay, line- and point-in-polygon overlay, and buffer creation)
X	X	Sophisticated Map Projections

PC ARC/INFO–DAK Quick Comparison

For more than 25 years ESRI has been helping people manage and analyze geographic information. ESRI offers a framework for implementing GIS in any organization with a seamless link from personal GIS on the desktop to enterprisewide GIS client/server and data management systems. ESRI GIS solutions are flexible and can be customized to meet the needs of our users. ESRI is a full-service GIS company, ready to help you begin, grow, and build success with GIS.
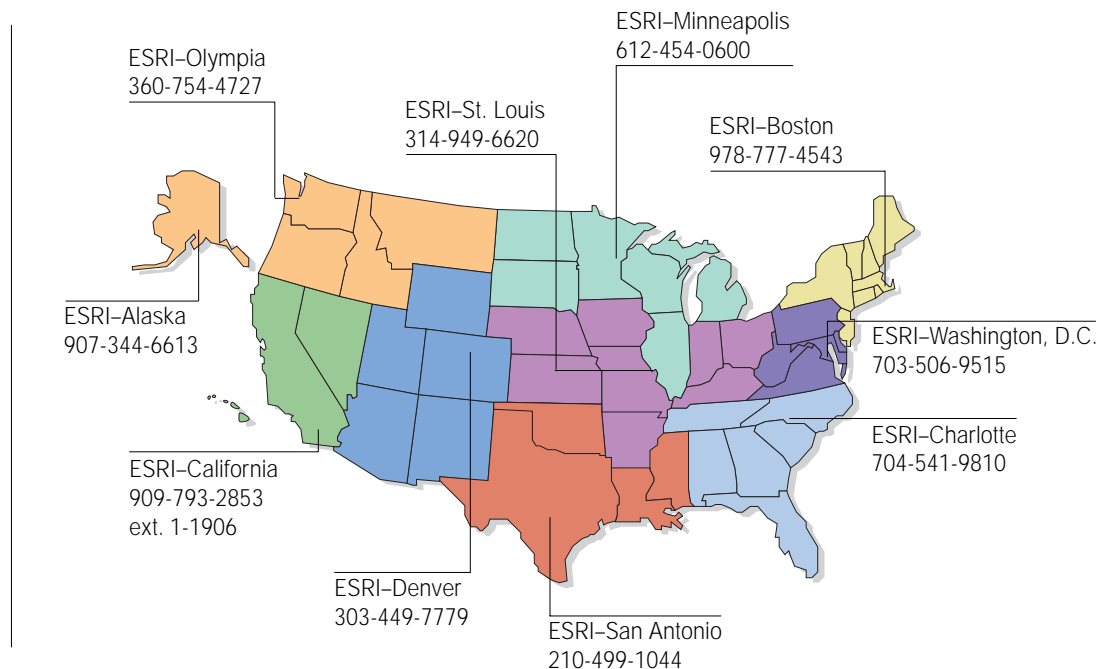
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France	Poland	United Kingdom
33-1-46-23-6060	48-22-256-482	44-1-923-210450
Germany	South Asia	Venezuela
49-8166-677-0	65-735-8755	58-2-285-1134
Hong Kong	Spain	Outside the United States,
852-2-730-6883	34-1-559-4345	contact your local ESRI distributor.
		For the number of your distributor,
		call ESRI at
		909-793-2853, ext.1-1235