Commercial GISs - and related Packages

IS 645 Introduction to GIS

Lecture 02, May 18, 2000
Topics covered in this session

- Commercial GIS Products
- Introduction to a commercial GIS package - GeomediaPro
Commercial GIS Software Products

- GIS Products for Users
- GIS Products for Developers
- GIS Products for use over the Web
- Computer Aided Design (CAD)
- Spatial Database Managers
GIS Products for Users: (ESRI)

- **ArcView GIS:**
  - Used for mapping and spatial analysis. ArcView is easy to learn, use, and customize.

- **ARCEExplorer:**
  - A no-cost, light-weight, spatial data viewing software
GIS Products for Users: (Intergraph)

- GeoMedia
  - Universal geographic client that augments Intergraph products and provides access to geographic data in many other industry formats, including ESRI.

- GeoMedia Viewer
  - A no-cost viewing product that allows the user to create thematic maps, view and analyze data, and manipulate your map with zoom-in, zoom-out capability.
GIS Products for Users: (Intergraph)

*Available in subsequent releases of GeoMedia Web Map
GIS Products for Developers: (ESRI)

- **Arc/Info:**
  - Professional level GIS that allows the use to automate, manage, analyze, and display spatial information.

- **MapObjects:**
  - A collection of mapping and GIS components for Windows developers who need to embed mapping functionality in their applications.
GIS Products for Developers: (Intergraph)

- **MGE**
  - A professional level GIS used for capturing, storing, retrieving, analyzing, and displaying spatial data.

- **GeoMedia Pro**
  - Built on GeoMedia by extending it to include data capture, maintenance, and management tools.

- **GIS Office**
  - Suite of software for creating, managing, and presenting geographically referenced databases on Windows based machines.
GIS Products for use over Web: (ESRI)

- **Internet Map Server (IMS):**
  - Software that allows the user to publish dynamic maps for anyone with a Web browser. Optional IMS extensions are available for ArcView GIS and MapObjects.
GIS Products for use over Web: (Intergraph)

- GeoMedia Web Map
  Allows the user to communicate geographically through smartmaps on the Web. Software enables the user to combine and distribute GIS information from multiple sources over your intranet or Internet.

Urban Areas: GeoMedia Web Map displays intelligent vectors over an aerial photograph.
CAD Products

- **MicroStation**
  - CAD software for enterprise-scale engineering projects. It is used in building/design, geoengineering, civil engineering, and mechanical engineering applications.

- **AutoCAD**
  - Design software, similar to MicroStation, offered by Autodesk
**Database Managers**

- **ESRI’s SDE**
  - Spatial Database Engine (SDE) is client/server software that enables spatial data to be stored, managed, and quickly retrieved from leading commercial database management systems like Oracle, Microsoft SQL Server, Sybase, IBM DB2, and Informix.
  - SDE is a scalable solution, enabling spatial data to be easily integrated with the rest of an organization's non-spatial data, in environments ranging from small workgroups to large-scale enterprise implementations.

- **Intergraph’s RIS**
  - Relational Interface System allows MGE to communicate with various types of databases.
Database Products

- MS Access
- MS SQL Server
- Oracle
- MS Foxpro
- IBM DB2
- Informix