

INTEGRATION OF GEOGRAPHIC INFORMATION TECHNOLOGIES

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ABSTRACT

In many organizations, particularly local governments, there appears to be interest not only in GIS but also the linkages between GIS and seven closely associated geographic data technologies:

- Document Scanning System (raster-based imaging system)
- Image Processing System
- Vector GIS
- Raster-based GIS
- Tabular DBMS
- Computer-Aided Drafting and Design System (CADD)
- Video Media System
- Surface Modelling System

Solutions for integrating these technologies will be one of the next major steps in GIS application evolution.

This paper discusses a conceptual framework for the integration of these technologies and its implementation in the context of the ARC/INFO system.