Abstract

Wireless ArcPad Within an Enterprise GIS

Track: Database Design, Automation, and Management

Author(s): Jeffrey Majka

This paper discusses the Enterprise GIS concept, with a focus on integrating wireless ArcPad to an ArcIMS module and a centralized ArcSDE database. ArcIMS is used to distribute maps and real time data to one or many ArcPad clients in the field. These ArcPad clients can incorporate GPS units to collect and track geospatial data. Wireless data communication incorporated into ArcPad applications can provide real time uploading and access to a central ArcSDE database and an ArcIMS server, allowing data users to view and access concurrent information. A variety of field applications can use this example of an Enterprise GIS.

Jeffrey Majka
Ecology and Environment, Inc.
Computer Services/GIS
368 Pleasant View Drive
Lancaster, NY 14086
USA

Phone: 716-684-8060
Fax: 716-684-0844
E-mail: jmajka@ene.com