Using GIS to Compare Regional Law Enforcement Information Sharing Systems

Presented to: 9th Crime Mapping Conference
Date: March 28-31, 2007

NIJ

noblis.
For the best of reasons

CCJT
Center for
Criminal
Justice
Technology

Agenda

- Noblis Center for Criminal Justice Technology Overview
- Comprehensive Regional Information Sharing Project (CRISP) Overview
- CRISP Web Portal Background
- CRISP Web Portal Demonstration

Noblis Center for Criminal Justice Technology (CCJT)

Mission Overview

Noblis' nonprofit Center for Criminal Justice Technology partners with federal, state, and local criminal justice agencies on congressionally funded projects managed through the NIJ. These projects are focused on improving the efficiency, safety, and coordination of criminal justice activities.

Comprehensive Regional Information Sharing Project (CRISP)

Objectives, Partners, and Activities

Project Objective

Investigate operational regional law enforcement information sharing programs to identify best practices and lessons learned to develop guidance for new regional initiatives.

Partners

Global

National Institute of Justice

Major Project Activities

- Interviewed six agencies with existing information sharing systems (ISSs).
- Surveyed an additional representative set of law enforcement agencies nationally.
- Documented an ISS concept of operation, ISS metrics and evaluation factors, and ISS preliminary requirements.
- Documented in-depth ISS evolution, features, lessons learned, and best practices for each interviewed ISS (ISS System Documents).
- Developed a web portal to share research results and documentation.

CRISP Web Portal Background

Components

Portal

- Introduces ISS study, terminology, and the six participating agencies' ISSs.
- Provides access to ISS study reports.
- Developed utilizing Microsoft Visio generated HTML pages.

Mapping Application

- Provides a visual interface for displaying/querying information about characteristics of the six participating agencies' ISSs
- Developed utilizing ESRI ArcView and ArcIMS 9.1.

Reports

- Provides access to single page reports containing information on an ISS.
- Generated with Business Objects Crystal Reports 9.
- Used Java Server Page based reports to select and display data from multiple ISSs.

Design Considerations and Goals

Considerations

- ESRI is already widely used within DOJ and NIJ.

- CRISP Portal needed to be an integrated application – ArcIMS would most likely not be best solution for all types of data display and retrieval.

- The end user needed to be kept in mind when designing the application and tailoring the ESRI interface.

Goals

- Follow the ESRI standard ArcIMS web interface as much as possible.

- Make the user interface simple and intuitive.

Status and Next Steps

Status

- CRISP report documents were completed in the Fall of 2006 (*Concept of Operations, A Practitioner's Handbook of Law Enforcement Information Sharing Systems: Preliminary Requirements, and Metrics for the Evaluation of Regional Law Enforcement Information Sharing Systems*)

- CRISP portal and mapping application completed.

Next Steps

- Illustrate for each state the counties sharing law enforcement records management system (RMS) information through a regional or statewide ISS

- Illustrate for each state the location of State and/or Regional Fusion Centers and any access to local agencies' RMS data by that Fusion Center

noblis.
For the best of reasons

Center for Criminal Justice Technology

CRISP Web Portal Demonstration