



Knowledge Management: Critical Infrastructure Database

The National Infrastructure Simulation and Analysis Center (NISAC), a program under the Department of Homeland Security's (DHS) Infrastructure Protection/ Risk Management Division (IP/RMD), provides advanced modeling and simulation capabilities for the analysis of critical infrastructures, their interdependencies, vulnerabilities, and complexities. These capabilities help improve the robustness of our nation's critical infrastructures by aiding decision makers in the areas of policy analysis, investment and mitigation planning, education and training, and near real-time assistance to crisis response organizations.

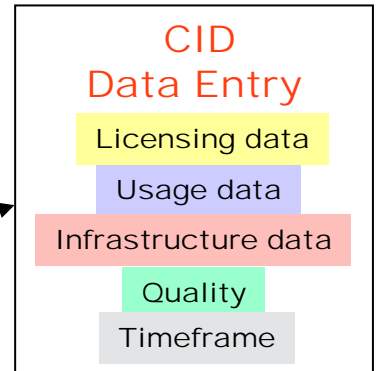
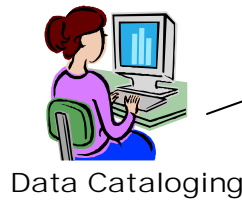
NISAC is a partnership between Sandia National Laboratories (SNL) and Los Alamos National Laboratory (LANL), integrating the two laboratories' expertise in infrastructure disruption/vulnerability modeling and simulation.

Knowledge Management

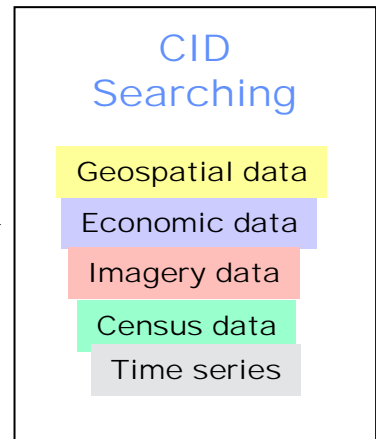
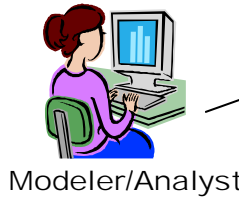
NISAC analysts and modelers require vast amounts of data and information for their critical infrastructure interdependency work. Knowledge management provides an access-controlled, organized, and searchable view on the data for rapid retrieval and update through a suite of web-based tools and programmatic interfaces. The suite of tools currently under development include the KM Portal, the Simulation Library, the Event Library, the Web Search Capture Tool, and the Critical Infrastructure Protection Metadata Database.

Critical Infrastructure Protection Metadata Database (CID)

The Critical Infrastructure Database (CID) is a central repository for information about Critical Infrastructure Protection data. CID is a metadata database in that it does not house Critical Infrastructure Protection data directly but rather only contains information about databases for Critical Infrastructures. These data sets are obtained from government, commercial, and web-based sources and consist of tabular, geospatial, and imagery data.



"What information do you have on ..."



CID provides a means for analysts and modelers to quickly ascertain what data is available, determine the quality of the data, obtain licensing information, find out who's used it and their experience, etc. For example, a user may want to get the latest, highest quality information including licensing restrictions, about energy flow data in Southern California. CID would return information about the data request and also provide instructions on how to obtain the databases for their use

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