

VACCINE

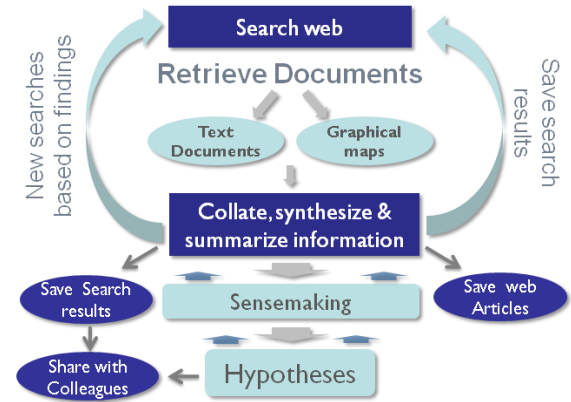
Visual Analytics for Command, Control, and Interoperability Environments
U.S. Department of Homeland Security Center of Excellence

SensePlace

Supporting investigative analytics through geographical grounding of open source documents

SensePlace is a proof-of-concept system for rapid web document acquisition and contextualization. SensePlace integrates visual and computational tools to support sensemaking with documents gathered through a web document foraging and mapping process.

The scientific goal of SensePlace is to visually and computationally support analyst sensemaking with text artifacts that have potential place, time, and thematic relevance to an analytical problem. SensePlace is specifically focused on fostering geographically-centered sensemaking through: identification and visual highlighting of named entities (people, places, times, and organizations) in documents, automated inference to determine document relevance using stored knowledge, and a visual interface with tightly coupled geographic map, timeline, and concept graph displays.



The SensePlace analysis session above shows the results from a Google News query on "port threats Canada". The top left window shows the relevance rank of stories retrieved; the Google search results are weighted based on a user-supplied ontology representing concepts of interest. The lower left window shows tagged text from those stories, highlighting entities of interest (places, people, organizations). At the right is a particular story selected by the user and sent to Google Earth (using the "View in Google Earth option"). This view shows the original story in the lower pane and highlights places and concepts of interest on the map in the top pane.

Funded by: The Department of Homeland Security and The National Science Foundation.

For more information, contact:

vaccine@purdue.edu

<http://www.VisualAnalytics-CCI.org>