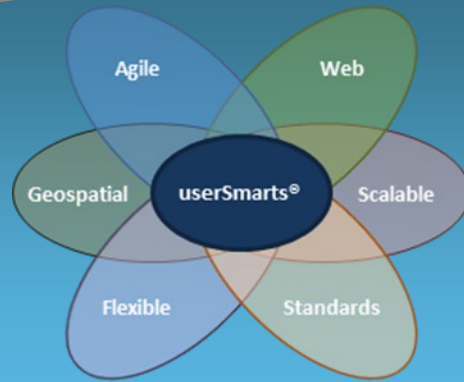


# userSmarts®

userSmarts  
developed by:  
Image Matters LLC



We deliver scalable, reliable, dynamic-content applications for commercial, civilian, intelligence and defense clients.

## Scalable, Reliable Applications for:

- State and Local Governments
- Corporate Information Portals
- Public Science Portals
- R&D Knowledge Mining
- Business Intelligence and CRM
- Content aggregation, classification and routing
- Defense & Intelligence
- Law Enforcement
- Alert/Event Processing

## A Framework for Creating Complex Applications

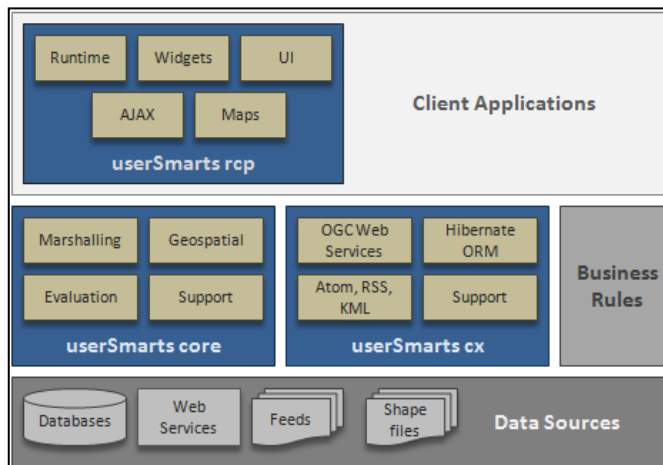
### Overview

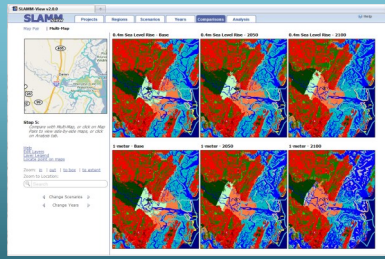
Image Matters LLC develops reliable, secure, Web applications using its *userSmarts* framework, which provides a foundation for the rapid development of dynamic applications that run in a variety of environments. This technology enables Image Matters to support our clients' most challenging development needs by providing a multi-layered platform that hides low-level interactions and details while preserving the traditional "separation-of-concerns" model used in J2EE applications. Supporting projects that range from rich AJAX web applications to custom mid-

dleware that integrates legacy systems, userSmarts offers a rapid, agile approach to develop applications.

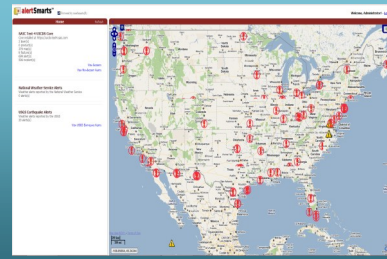
### Key Features Provide a Rich User Experience

- Interactive Web-Based Maps
- Context-Sensitive Services
- CBOs and Domain Model Management
- Data-Sharing and Collaboration
- Situation Awareness and Analysis
- Capture, Manage, and Publish Content
- Integration with:
  - External Web Services
  - Image Services
  - Relational Databases
  - Google Earth (KML)
  - DHS S&T UICDS (Unified Incident Command and Decision Support)

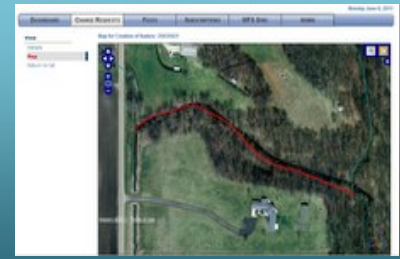




SLAMM-View 2.0



UICDS alertSmarts



IGSS Geosynchronization

## Integration Capabilities

- Embed widgets or full applications into existing web pages and browser-based applications
- Produce real-time map overlays from a variety of dynamic or static data sources
- Connect to and integrate multiple OGC Web Services with existing GIS systems and data
- Integrate with ESRI, Google Earth, and traditional RDBMS systems
- Manipulate and exploit geospatial and temporal data quickly in a common analysis and visualization framework

### userSmarts in Action

**SLAMM-View** – A web-based application created for the U.S Fish and Wildlife Service which helps improve the understanding of the future effects of sea-level rise on wetlands and other land cover types in coastal regions.

<http://www.slammview.org/>

**Map Modernization** - An open, distributed network of applications, tools and services for FEMA. Image Matters delivered the operational capability for connecting the MIP portal system to the NSDI Clearinghouse and Geospatial One Stop (GOS) portal systems for automated metadata harvest and search, and the NDEP/NDOP Project Tracker.

**alertSmarts®** - A web-based client application for discovering, managing, and responding to critical event data such as UICDS emergency management data, National Weather Service alerts, and US Geological Survey earthquake alerts.

### National Biological Information Infrastructure

**(NBII) Maplet Projects** - Developed to support and enhance the USGS NBII portal. Image Matters provided system engineering and software development expertise to support and enhance the applications, tools and Web services for the NBII “Geospatial Interoperability Framework.”

<http://www.nbii.gov>

**IGSS** - Developed technology that supports an improved National Hydrography Dataset (NHD) maintenance workflow between the Indiana Geographic Information Council, Indiana’s GIO representatives and USGS. The service also provides geosynchronization capabilities.

<http://www.igic.org>

### Bundled Capabilities

Robust software libraries for rapid development of complex applications.

**userSmarts Core** – foundation classes for building Java applications; includes support for geospatial data processing, XML handling, algorithm evaluation, and more

**userSmarts CX** – connectivity framework for accessing OGC web services, Atom and RSS feeds, KML, and relational databases

**userSmarts RCP** – rich client application framework in JavaScript, modeled after the Eclipse Rich Client Platform, which provides AJAX communication, a rich set of UI controls, and interactive mapping capabilities

### Consider the Advantages of Image Matters

Founded in 2001, Image Matters specializes in developing and applying geospatial and Web technologies for a wide variety of applications. Image Matters also offers a full range of complimentary professional services including systems and software engineering, interoperability engineering and standards, systems integration, geospatial and environmental consulting, data modeling, database development, and technology planning and execution. Image Matters is providing the highest quality, most cost-effective solutions to our clients.

Our highly qualified staff combines our innovative technologies with a wealth of experience to solve our clients’ most challenging problems. Our staff has developed solutions ranging from the Wetlands Analytical Mapping System, the first operational GIS built for the federal government in 1976, to the cutting-edge, Cloud-based SLAMM-View application.

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