

# INTEGRATED WEB ENVIRONMENT FOR WALSAIP APPLICATIONS

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# WALSAIP

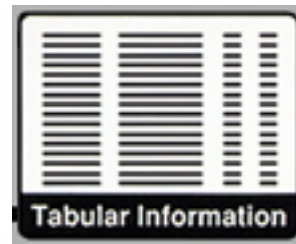
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# Problem Formulation

Even though there are many powerful information management systems designed to manage, analyze, and manipulate spatial and temporal geo-referenced data, they are not accessible to most users.

Many of those systems are hard to learn and understand and most tasks or studies conducted by researchers require multiple applications to analyze and represent results in an understandable manner.

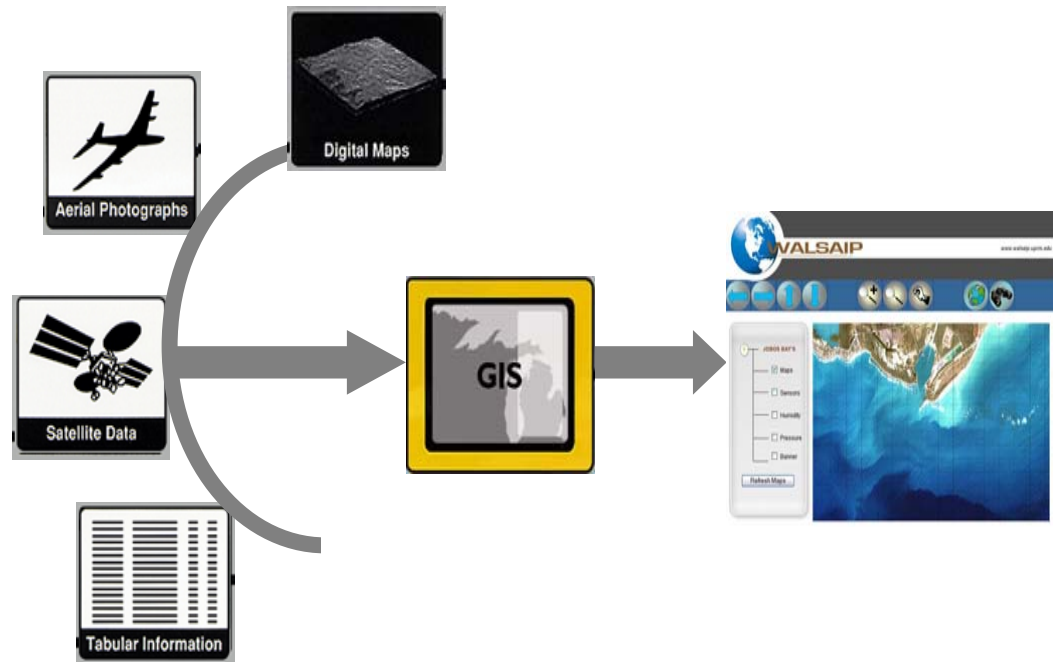


# Proposed Solution

Develop a Web-based integrated environment with a friendly user interface that will facilitate the access and use of the complex applications and information managed by the WALSAIP project.

Provide access to data representing environment dependent variables generated from different sources.

Create an environment that could be used by researchers to develop new models and predictions based on correlations and analysis of real time data and historical data.



# State of the Art

Components	Elements	Tools	Functions
Web Portal	Web Site	HTML, JSP, Javascript, KML, AJAX	Search, Map Viewer, Publish, Administrative
	Web Control	Java Beans	Query, Mapping, Edit, Geocoding, Geo-Referenced Data
Web Services	Geographic Web Services	XML, SOAP, WSDL, WMS, WFS, GML	Query, Transactions, Map Render/feature, Geocode
Data Management	DBMS	SQL	Vector, Tabular
	Geographic & Tabular Data		



# Demo: Web Environment



<http://www.ece.uprm.edu/~s060505/Demo/demo.jsp>