Kant Consulting Group and SitScape are honored to provide our submittal the National Geospatial-Intelligence Agency (NGA) Disparate Data Challenge. We offer a unique and innovative, browser-based fully functioning, commercial off the shelf solution that addresses accessing disparate data in multiple formats from different schemas, interfaces and locations. It empowers users to simplify their day-to-day work, with an intuitive, fully integrated, visual environment for accessing, analyzing visualizing disparate data and sharing content.

SitScape was invested by In-Q-Tel, and is trusted solution at the largest enterprises in Airline, Insurance, Banking and Defense. We are a direct fit to NGA overall goals to rapidly implement an innovative data-access and analytics capability while saving the taxpayer dollars while delivering superior results.

SitScape brings agile and holistic business and operational visibility from disparate sources at-a-glance – with automated and actionable intelligence, agile and visual performance analytics, dynamic collaboration *and data-flow/process automation at the enterprise scal*e.

SitScape delivers a powerful Web-based information intelligence and decision making software system for visual, on-demand situational awareness, real-time contextual collaboration; agile big data correlation and visualization to the Enterprise and Mission/Remote Teams that is secure, flexible and very easy to use. Our solution is intended for users of all technical abilities (requiring no specialized programming skills) to add data sources, search, create business metrics, correlate information analytics.

SitScape can enable NGA's Smart Mission-Critical Digital Operations with:

1. Data-driven, analytics-powered, process-oriented, continuous business visibility and insight from disparate data sets and distributed data sources
2. Auto detecting anomalies, identify risks, generate timely and correlated alerts from disparate data sources
3. Visual Exploratory Data Discovery (EDA) and Data Correlation; Live generation of user-defined dashboards, KPIs and reports with Actionable Intelligence
4. Dynamic Collaboration and Secure Information Sharing
5. Advanced security, governance and interoperability

Without any programming, we are able to access effectively the following datasets.

Databases/ Data Sources	MySQL, Oracle, Postgre SQL, MS SQL Server, IBM DB2, Hadoop, Teradata Data Warehouse, Ingres, MS OLAP Cube analysis service
	Ozone Widgets, 2-D Maps, 3-D Earth, KML, KMZ
	WMS (Web Mapping Service), WMTS, GeoTiff, GeoJSON, Arcgis Shape File, GeoRSS
	Excel/CSV/Log files, JSON feed, XML
	Netflow Data, PCAP Packet Data
Files Types	Document Files: ("doc", "docx", "xls", "xlsx", "pdf", "ppt", "pptx")
	Image Files: ("jpeg", "jpg", "png", "gif", “TIFF”);
	Audio Files: (“.mp3”)
	Video Files : ("mp4", "m4v", "f4v", "mov", "webm", "ogv", "flv", "wmv")
Additional	Direct display of CCTV, IP-Camera, and UDP-based live feeds.
	Remote Access and Windows and Linux Desktop and Applications Virtualization for Web Access
	Web Objects (web page, web clip, screen scraping)
	Sever-side Virtual Web Browser
	Mail feed

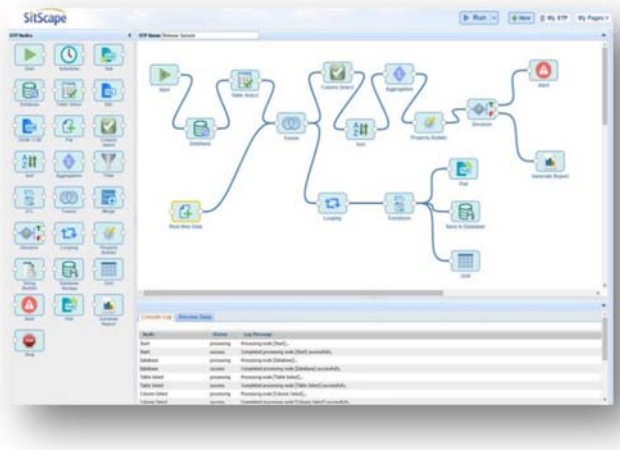
SitScape also allows users to do rapid visual interactive Exploratory Data Discovery (EDA). With just a few mouse-clicks, user can create beautiful and highly interactive visualizations from data source in their Web browser, those visualizations are automatically linked and correlated by the software. User can click on visualization, slice and dice the data visually, and *all the other visualizations on the screen will update accordingly simultaneously.* User can also keep drill-down or drill-through from a top level data visualization to various other visualizations dynamically. Then with a few more mouse clicks to apply analyst's knowledge, it can correlate data from different data sources rapidly.

Our solution enables the mission user to visually and dynamically assemble their own composite view of information or modify an existing interface on-the-fly using a flexible, drag-and-drop "visual composite" platform capability. It not only can automatically link and correlate multiple visualizations from shared data store, but also can correlate and link disparate data sets from distributed data stores easily, not forced to export/load those data into a centralized data store or memory first.

Users can perform interactive data analytics and visualization across multiple data sources concurrently to discover hidden patterns; can refine auto-generated query on-the-fly with just a few mouse clicks and no programming at-all. With this interactive process, the user can reach to higher precision and relevance much faster in a positive-spiral environment.

We can deal with the varied, less-than-accurate inputs of the users and provide meaningful returns. We support fuzzy searches and fuzzy correlation of multiple data sets and data sources. We have experience in accessing and using NGA's disparate restricted-access holdings.

SitScape allows user to define *Straight-Through-Processing* (STP) for Data Flow and Process Automation from Ingestion -->Transformation-> Visualization --> Correlation->Modeling->Action. This STP feature consists of a Graphic drag-drop interface; Server-side STP engine allowing data ingestion, ETL, scheduling, visualization, fusion and alert. The Graphic drag-and-drop interface allows STP process definition, and Support testing-run, preview, and final deployment.



Our solution enables users to simultaneously query multiple disparate data sets, each with their own structure, to present cohesive, understandable results in more integrated visual environment. It is 100% browser-based for agile interactive exploratory data analytics and visualization, there is no need for desktop software install, and so no need to go through the extra step of publishing the desktop analysis results to another Web server with only none-real-time data.

Our solution can highlight relationships between data elements, even when those relationships are not obvious to the user and provide correlation between different data sets using visualization and dynamic visual analytics. Users have the capability of working with real-time operational data collaboratively, and the ability to monitor data flow and data changes; and the capability of triggering events and data correlation on-the-fly based on user-defined thresholds or rules for the mission critical operational environments.

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Live demonstration site can be accessed here: http://demo.sitscape.com/p/e8c0aa87
PDF of the demo screens: https://1drv.ms/b/s!AnOIy3wT39Bxxx78wjzlovaZ-Fam
YouTube Video: https://youtu.be/oA2cES-EEuk