

May 15, 2014



STONE ENVIRONMENTAL INC

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David Brotzman
Vermont Center for Geographic Information
58 S. Main St, Suite 2
Waterbury, VT 05676

SEI No. P14-XXX
RE: Vermont Open GeoData Portal Request for Information

Dear Mr. Brotzman,

On behalf of Stone Environmental, Inc, I am pleased to submit for your consideration our proposed solution for a Vermont Open GeoData Portal. We have a talented group of GIS specialists and application developers that have extensive experience with web application development, data accessibility, and open data. We propose building upon efforts of the New York Department of State, Office of Planning and Development (NYOPD). Stone is currently working with the NYOPD in developing a Geographic Information Gateway (NYOPDGig) which has functionality that meets the majority of the requirements of the Vermont Open GeoData Portal. The solution is built upon a hybrid solution including the open source Esri Geoportal Server, commercial-off-the-shelf ArcGIS Server platform, and custom coding using the Angular JS framework and ArcGIS JS API. The solution provides a robust system that is standards-based and accessible on desktop and mobile devices. We believe that using the code base from the NYOPDGig as a foundation will reduce overall costs of building a portal system and can, in turn, benefit both the NYOPDGig and VCGI in expanding system functionality.

Our team has the technical expertise and experience necessary to successfully complete the required tasks. We believe that our knowledge and understanding of the data and web GIS tools is important in putting available information to work to expand data accessibility in Vermont.

Please do not hesitate to contact me if you have any questions. We look forward to having an opportunity to develop this tool and further advance Vermont GIS infrastructure.

Sincerely,

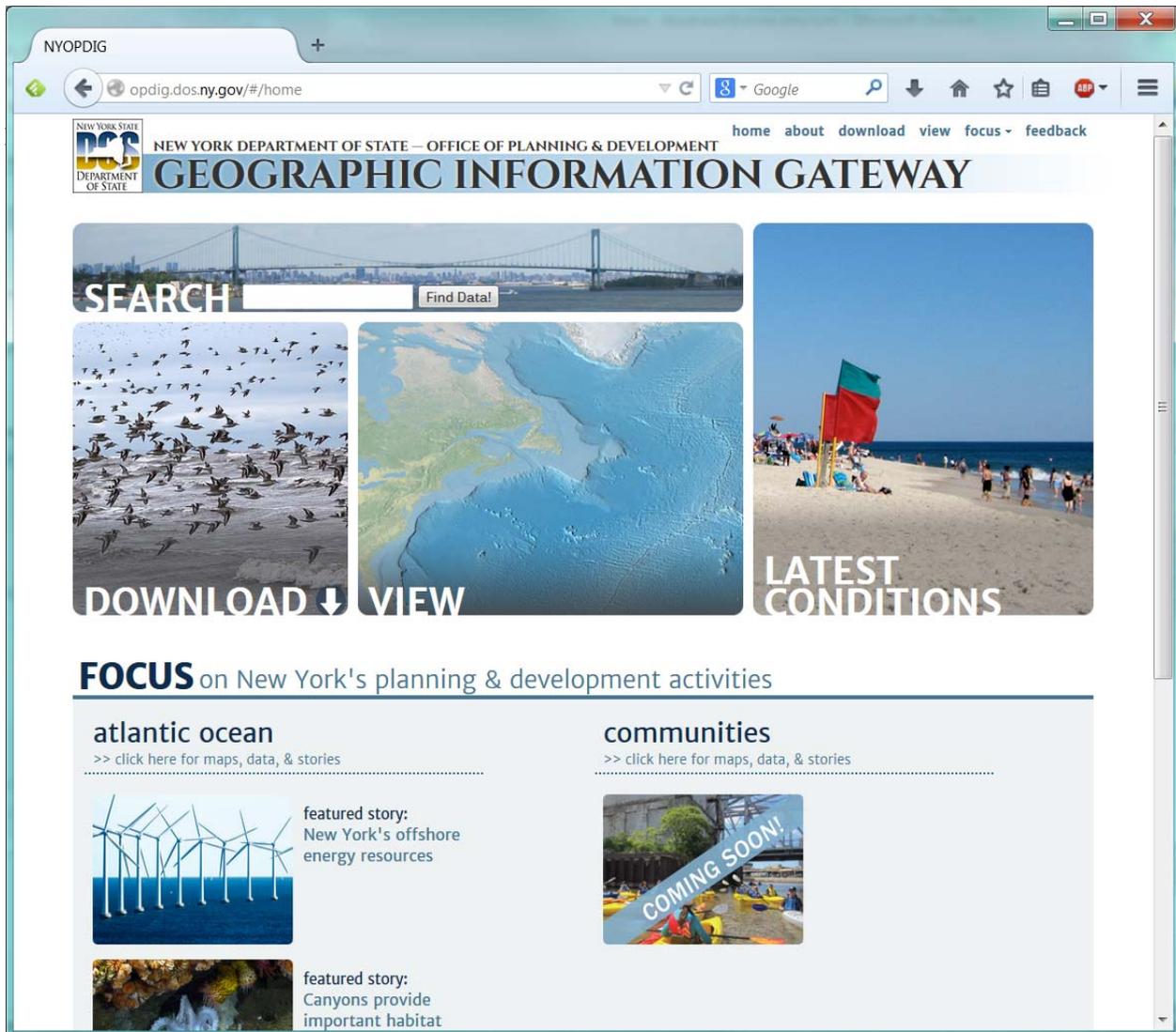
A handwritten signature in blue ink that reads "David J. Healy". The signature is fluid and cursive, with the first name being particularly prominent.

David J. Healy
Vice President / Applied Information Management

Direct Phone / 802.229.1879
E-Mail / dhealy@stone-env.com

Vermont Open GeoData Portal RFI

A PROPOSAL FOR VERMONT CENTER FOR GEOGRAPHIC INFORMATION / MAY 15, 2014



The landing page of the New York Department of State, Office of Planning & Development Geographic Information Gateway, which provides open access to geographic data and information related to the Office's programs.

Prepared by:



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Vermont Open GeoData Portal RFI

A Proposal for:

David Brotzman

Vermont Center for Geographic Information

58 S. Main St, Suite 2

Waterbury, VT 05676

Submitted by:

David Healy, Vice President

802-229-1879

dhealy@stone-env.com

Stone Environmental, Inc.

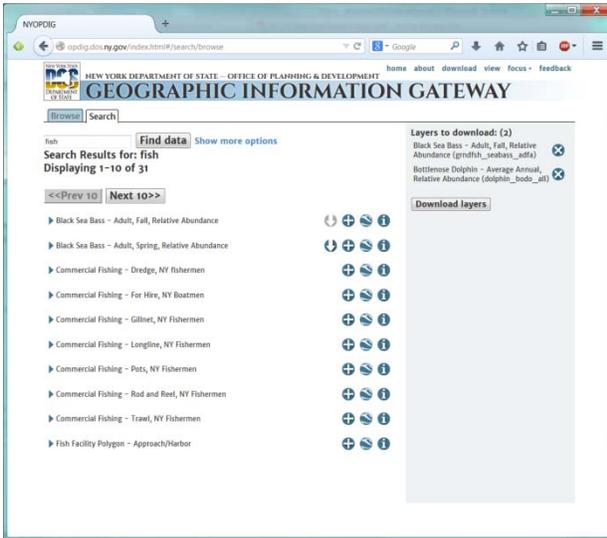
535 Stone Cutters Way

Montpelier, Vermont 05602

May 15, 2014

Stone Project ID P14-XXX

Advancing Data Accessibility



The search capability of the NYOPDG allows users to search internal and external datasets, view data, add data to Google Earth, download data, and view metadata.

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Summary Response Form

Question	Response
Company name Parent company	Stone Environmental, Inc.
Company address	535 Stone Cutters Way, Montpelier, VT 05602
Name of person responsible for the information contained	David Healy, Vice President
Telephone number Fax number Email address Web page	802-229-1879 802-229-5417 dhealy@stone-env.com www.stone-env.com/aim
Company location: Corporate office Local offices	535 Stone Cutters Way, Montpelier, VT 05602
Please provide your recommendations on the system solution design for a VT Open GeoData Portal that would support the requirements articulated in this RFI. <ul style="list-style-type: none">Are there any functional requirements that you believe could be especially challenging or costly to implement?	Please see Attachment 1: System Recommendations.
Are you proposing to use a Commercial-Off-The-Shelf (COTS), Open Source, custom, and/or hybrid solution?	Hybrid: Esri GeoPortal Server (Open Source), ArcGIS Server (Commercial-Off-The-Shelf), and Custom (JavaScript, CSS3, & HTML5)

Question	Response
<p>Training:</p> <ul style="list-style-type: none"> • Would you offer formal user training? • What type of courses do you run and what is their duration? • What level of training would you recommend? 	<p>We propose to offer separate webinar-based trainings for three user groups; general users, publishers, and administrators. The webinar-based trainings would be recorded and available for viewing following the webinar session. While a webinar-based training will be available for administrators, we feel that it would also be beneficial to have in-person training with VCGI administrators.</p>
<p>Please provide details of how the product is supported.</p> <ul style="list-style-type: none"> • What levels of support is available, definition of each level and what are the hours of operation and response times? • Does support include product updates, as well as bug fixes at no extra charge? 	<p>Stone proposes that a maintenance budget be set aside on a yearly basis to cover support, bugs, and upgrades. Stone is available from 8 to 5, Monday – Friday and can generally provide solutions within a few business days. See Attachment 2 for support budgeting.</p>
<p>Please summarize the total costs of your proposed solution.</p> <ul style="list-style-type: none"> • Total estimated cost of proposed solution. • Year 1 – Build and Deploy • Combined estimate for all requirements under Section 6.1 • Combined estimate for all requirements under Section 7.2–APPENDIX II • Other costs itemized for Year 1 • Year 2 – Support and Maintenance (itemized) • Year 3 – Support and Maintenance (itemized) • What are the estimated licensing costs (if any) for individual parts of the solution? • What are your consultancy rates to help with implementation and/or customization? • What do you charge for training? • What are the estimated maintenance and support costs on an annual basis? Does it include software updates/upgrades? 	<p>Please see Attachment 2: Budget</p>

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Attachment 1: System Recommendations

The Stone team proposes a solution to the VT Open GeoData Portal that is built upon a hybrid solution including the open source Esri Geoportal Server, commercial-off-the-shelf ArcGIS Server platform, and custom coding using the Angular JS framework and ArcGIS JS API. The solution provides a robust system that is standards-based and accessible on desktop and mobile devices.

The Stone team is in the process of finalizing a data portal for the New York Department of State, Office of Planning and Development (NYOPD) called the New York Department of State, Office of Planning and Development Geographic Information Gateway (NYOPDGig). We believe that the solution used for the NYOPD could be used as a basis for the VT Open GeoData Portal, pending NYOPD approval, and would meet most of the requirements outlined in the VT Open GeoData Portal RFI. To view the current version of the NYOPDGig, please visit <http://nyopdig.stone-env.net> (The site is transitioning to a New York state government address and may be <http://opdgig.dos.ny.gov> at the time of RFI response review). The design also offers the opportunity to have Vermont focus pages highlighting GIS applications/solutions from state agencies, regional planning organizations, NGOs, Higher Education, and the private sector.

The Esri Geoportal Server is a free and open source product that allows users to create, upload, manage, store, and share standards-based metadata records. Using metadata records, data holdings can be searched, viewed, and extracted. While we generally think of metadata records as storing geospatial information, metadata can also be used to store data about other information, such as documents, tools, and other non-spatial elements.

The ArcGIS Server platform would be used to host geospatial datasets that are managed and/or distributed by VCGI as web services. Because VCGI owns a license for ArcGIS Server, no additional licensing or hosting costs are anticipated.

The Stone team has developed an Angular JS and ArcGIS JS API code base from the NYOPDGig project that leverages the Esri Geoportal Server and ArcGIS Server backend environments to discover, view, and download data while ensuring a seamless user experience. While the code base would need to be updated to meet the specific requirements of the VT Open GeoData Portal, we believe that much of the heavy lifting has already been completed and that the NYOPDGig functionality already meets many of the requirements of the project.

Sections 2.1, 2.2 and 2.3 below provide more detailed solutions related to user stories for presented in section 6.1 of the VT Open GeoData Portal RFI.

2.1 Meeting User Requirements

Below is the table of user requirements outlined in the VT Open GeoData Portal RFI and how Stone's solution meets the desired requirements.

Table 1. User requirements outlined in Section 6.1 of the VT Open GeoData Portal RFI and proposed solutions.

ID	EGC Priority	Story - Requirement	Stone Solution	
1	1-High	As a User, I want "authoritative" datasets to be discoverable and clearly identified.	<p><i>A Metadata-Centric System:</i> Stone proposes an implementation of the Esri GeoPortal Server, which allows input of metadata records and for those records to be discoverable through the portal. Multiple search refinement options can be configured; including VCGI defined keywords, ISO keywords, published dates, geographic extent, and publishing organization. Any element that users desire to search on can be defined within the metadata record. Additionally, a searching ontology can be developed. The ontology would allow a 'lookup' for related words, for example 'when I search for fish, also find records with the word 'trout'.</p> <p>Additionally, separate views or windows to data categories can be created. Stone has done this for the NYOPDGig site for the different NYOPD programs using 'Focus' pages. The content within the 'Focus' web map viewer is driven by focus keywords in metadata records (e.g., 'Atlantic Ocean').</p> <p>An ArcGIS Server link will be stored in the metadata record. This allows the record to be displayed in a web map viewer, downloaded using 'clip, zip, and ship' functionality, or added to an external mapping application. If desired, a separate download link can be stored in the metadata, such as an FTP location.</p> <p>The Stone solution allows users to download any dataset that is hosted internally. If the dataset is hosted externally, Stone and VCGI can work with data partners to make sure data is downloadable through the VT Open GeoData Portal.</p> <p>The Esri Geoportal Server has out of the box solutions for metadata viewing that improve the readability from the raw xml metadata files. The out of the box solution can be styled and formatted to meet the needs of the VT Open GeoData Portal.</p> <p>Any metadata that is imported or created must meet the standards defined by VCGI. For the NYOPDGig site, metadata is accepted in FGDC and ISO standard formats.</p>	
4	1-High	As a User, I want a robust and easy-to-use search engine to help me find the geospatial data, web services, and web/mobile/desktop applications.		
6	1-High	As a User, I want access to aerial photos (eg: VT orthos) with no downloading required (ie: as a web service).		
12	1-High	As a User, I want access to historical aerial photos.		
13	1-High	As a User, I want access to imagery organized by year (whether for download or web service).		
14	1-High	As a User, I want access to VT GIS data layers with no downloading required (ie: as a web service).		
19	1-High	As a User, I want metadata that is easy to read with a quick way to get to attribute descriptions and attribute codes.		
11	2-Medium	As a User, I want access to historical "snapshots" of VT GIS data.		
15	2-Medium	As a User, I want all data that I find to be available for download (not just a link to an external website).		
16	2-Medium	As a User, I want all of the data to have the good metadata and keyword tagging.		
21	2-Medium	As a User, I want the "posted date" included on the list of new/updated data, web services, or web/mobile/desktop applications.		
35	2-Medium	As a User, I want to explore Warehouse entries by the "custom data groupings" created by the Publisher.		
38	2-Medium	As a User, I want to find the latest GIS data releases by agency, by department, by program (eg: permitting/regulatory/monitoring).		
40	2-Medium	As a User, I want to get to all Warehouse entries that have one or more "custom keyword tags" assigned by the Publisher.		
48	2-Medium	As a User, I want to search by standard data themes (eg: boundary data, transportation data, etc.) using ISO 19115 Topic Categories standard.		
50	2-Medium	As a User, I want to see a listing of all available data even if it isn't available for immediate download or if there are access constraints.		
2	1-High	As a User, I want a browser-based Data Warehouse solution that does not require a browser plug-in.		<p><i>Javascript Solution:</i> The Stone solution's user interface is built with JavaScript CSS3, and HTML5, which allows the use of the application across browsers, with mobile devices without plug-ins.</p>
18	1-High	As a User, I want data and imagery downloads to include embedded metadata.		<p><i>Clip, Zip, and Ship Functionality:</i> Stone has developed a 'Clip, Zip, Ship' tool that can be used to</p>

ID	EGC Priority	Story - Requirement	Stone Solution	
26	1-High	As a User, I want to download aerial photos (eg: VT orthos) so I can use them on my computer.	<i>Clip, Zip, and Ship Functionality, cont.:</i> extract data from map service links that are stored in metadata records. Currently, the tool has the ability to download data in Esri file geodatabase, Esri shapefile, TIFF, and Google Earth (KML) formats.	
30	1-High	As a User, I want to download VT GIS data layers and imagery (aerial photos) only for a particular area that I specify (eg: clip & zip).		
31	1-High	As a User, I want to download VT GIS data layers in ESRI file geodatabase format.		
32	1-High	As a User, I want to download VT GIS data layers in ESRI shapefile format.		
9	2-Medium	As a User, I want access to ESRI layerfile packages.		
10	2-Medium	As a User, I want access to ESRI layerfiles (symbolology) used to render GIS data layers.		
20	2-Medium	As a User, I want more format/projection options when downloading.		
28	2-Medium	As a User, I want to download data in non-GIS formats (eg: CSV, GeoJSON).		
34	2-Medium	As a User, I want to download VT GIS data layers in KML format.		
53	2-Medium	As a User, I want web services providing access to aerial photos that render "Google" fast.		<i>ArcGIS Server Platform:</i> The Stone team suggests using ArcGIS Server map services for all internal data. Data can be cached and optimized to perform 'Google' fast. Also, the map services can be accessible using other ArcGIS software. By enabling the map services to be WMS compliant, they can also be accessible via Open Source software.
54	2-Medium	As a User, I want web services that work with ArcGIS software (desktop, mobile, and browser-based clients).		
55	2-Medium	As a User, I want web services that work with Open Source GIS software (desktop, mobile, and browser-based clients).		
36	2-Medium	As a User, I want to find and download Regional-level (RPC) GIS data.		
37	2-Medium	As a User, I want to find and download town-level GIS data.		
39	2-Medium	As a User, I want to flag errors in the data and have them submitted to the data steward.		
45	2-Medium	As a User, I want to post comments about a particular dataset, web service, or application and have those comments show up whenever someone discovers the dataset or web service.		
7	2-Medium	As a User, I want access to data and web services which are openly available in a manner consistent with OpenDefinition.org's definition.		
			<i>Forming Data Partnerships:</i> Stone suggests that towns and RPCs have publisher access or work with an administrator of VCGI to enter metadata records that are compatible with the VT Open GeoData Portal system. It will be important that their data are tagged with appropriate metadata keywords so that their data holdings can be searched appropriately. By having publisher access, they can manage their metadata holdings at any time. Alternatively, their holdings can be placed in a web accessible folder (WAF) and can be 'harvested' by the VT Open GeoData Portal on a regular basis (weekly, nightly, etc.).	
			<i>Flexible Feedback Solutions:</i> Feedback at both the dataset level and portal level are important. Stone proposes that feedback are available at both levels and can be either shared with the public or submitted privately to VCGI.	
			<i>Open Data:</i> ArcGIS Server map services are accessible with restriction or cost by default. The download functionality in the clip, zip, ship tool that we would implement makes the data immediately available at no charge. Both options are convenient by modern standards. Data licenses stand separate from the portal's download and access functions, so if some data on the portal has a restrictive license, it would be up to VCGI to resolve that issue with the data owner.	

Attachment 1: System Recommendations / 2

ID	EGC Priority	Story - Requirement	Stone Solution
27	2-Medium	As a User, I want to download all data as pre-packaged files via FTP.	<i>Other Data Sharing:</i> This is not currently a part of the solution that Stone developed for the NYOPDGig; however a link can be set up to an FTP download site that contains all VCGI data. This information can be stored within metadata records or separately in a different page. The same solution could be used to download 'categories' of data. Stone implemented this for an older version of New York's site.
29	2-Medium	As a User, I want to download thematic data in bulk (eg: all transportation data).	
5	2-Medium	As a User, I want access to "help" resources and media (such as YouTube videos) on how to use GIS data, web services, web applications, products (eg: layer package), and tools (eg: scripts and geoprocessing tools).	<i>Useful Help Content:</i> Stone has developed a 'Story' template that allows users to input content, embed maps, YouTube videos, images, and graphs. This template would be a great way to communicate 'help' information. See http://nyopdig.stone-env.net/home/#/storyTemplate/1 for an example.
8	2-Medium	As a User, I want access to data standards and data templates for download.	<i>Sharing Standards:</i> Data standards and templates can be made available via the portal.
22	2-Medium	As a User, I want to be notified whenever new or updated data, web services, or web/mobile/desktop applications are released.	<i>RSS Feeds:</i> Stone proposed to set up RSS feed capabilities so users can be notified of new content.
41	2-Medium	As a User, I want to have access to Data Warehouse "capabilities" via a published API (eg: REST endpoint) so I can integrate it into my own website.	<i>REST endpoints:</i> All GIS data will be made accessible through an ArcGIS Server REST endpoint
42	2-Medium	As a User, I want to integrate aerial photos (eg: VT orthos) into my own web mashups.	<i>Feature and Tile Services:</i> ArcGIS feature and tile services are easy to integrate with popular web mapping libraries like the ArcGIS JS API and Leaflet
43	2-Medium	As a User, I want to integrate VT GIS data layers into my own web mashups.	

2.2 Meeting Publisher Requirements

Below is the table of publisher requirements outlined in the VT Open GeoData Portal RFI and how Stone's solution will meet the desired requirements.

Table 2. Publisher requirements outlined in Section 6.1 of the VT Open GeoData Portal RFI and proposed solutions.

ID	EGC Priority	Story - Requirement	Stone Solution
3	1-High	As a Publisher, I want a publishing solution that requires a minimal number of manual steps.	<i>A metadata-based solution:</i> The Stone solution includes the use of the Esri Geoportal Server. The Geoportal Server has built-in roles including 'administrator', 'publisher', and 'general user'. Any user can be associated with a group or organization. Users can log in to the system, update user information, publish and update metadata records, remove or 'unpublish' metadata records, and manage harvesting protocols.
4	1-High	As a Publisher, I want GIS customers to have access to my web mapping applications from the data warehouse.	
7	1-High	As a Publisher, I want my metadata to conform to standards.	
13	1-High	As a Publisher, I want the ability to include non-geospatial data files (eg: MS Word document, Excel spreadsheet) with the geospatial data that I share.	
15	1-High	As a Publisher, I want the search engine to be driven from the metadata that I submit.	
16	1-High	As a Publisher, I want the standardized metadata to automatically populate specific attributes of the online catalog entries (website content).	
18	1-High	As a Publisher, I want to authenticate to my publishing account.	
19	1-High	As a Publisher, I want to be able to define groups of users that can collaborate on editing and maintaining the data with me.	
23	1-High	As a Publisher, I want to be in control of my own publishing, information management, and publisher account.	
31	1-High	As a Publisher, I want a Warehouse solution that is able to harvest ISO and FGDC compliant metadata records.	
2	2-Medium	As a Publisher, I want a mechanism which allows me temporarily disable access to a particular dataset, web service, or web application.	The Geoportal Server provides multiple avenues for publishing metadata records. While all metadata must be compliant with standards (FGDC, ISO, or other), it can be published in any one of three ways. The first and most basic solution is for data publishers to add metadata records directly within a data entry form on the Geoportal Administrator site. Most data providers will already have compliant metadata and can either publish metadata records individually through the administrator site, or set up metadata harvesting. The harvesting option allows publishers to register a web accessible folder, REST URL, or other protocol to be harvested on a regular basis.
17	1-High	As a Publisher, I want the Warehouse to offer a simple data hosting subscription plan for non-governmental organizations and/or individuals.	Metadata records can be created for datasets, web applications, tools, and non-spatial information, and be discoverable through the VT Open GeoData Portal.
21	1-High	As a Publisher, I want to be able to post data, web services, applications (web/mobile/desktop), products (eg: layer packages), and tools (eg: scripts and geoprocessing tools).	<i>Data Sharing:</i> The Stone solution is based primarily on the use of web map services. Stone would work with VCGI to develop a protocol for publishers that would like data to be hosted by VCGI as a service or would like other data hosted on a server.
27	1-High	As a Publisher, I want to publish my data as services that work on multiple clients including desktop software, mobile devices, and web browsers.	
29	1-High	As a Publisher, I want a Warehouse solution that complies with W3C DCAT and OGC CS specifications.	<i>Open Source Solutions:</i> The GeoPortal Server, v1.2.4 Supports DCAT output, and has used the OGC CS specification at its core since the ArcGIS v9.3 days.
25	1-High	As a Publisher, I want to have access to download statistics of my data so I know how often my data is downloaded.	<i>Data Statistics:</i> Various metrics for capturing access and download statistics make this possible.
5	1-High	As a Publisher, I want my data to be discoverable and linked through other catalogs (eg: data.gov, ArcGIS Online, etc.) so that it can be found by users outside of Vermont.	<i>Data Sharing Outside of VCGI:</i> The GeoPortal Server has supported Federated Searching both on its own catalog and in it searching other catalogs for a number of years. The GeoPortal Server also supports harvesting metadata and having its own metadata harvested. Both options would make it trivial for VCGI metadata to be found outside of VT.

ID	EGC Priority	Story - Requirement	Stone Solution
30	1-High	As a Publisher, I want a Warehouse solution that make it easy for me to comply with data archival procedures defined by the State of Vermont.	<i>Archival Procedures:</i> Datasets would be stored in either ArcSDE or File GeoDatabases. Both methods allow for easy backup and recovery.

2.3 Meeting Administrator Requirements

Below is the table of publisher requirements outlined in the VT Open GeoData Portal RFI and how Stone's solution will meet the desired requirements.

Table 3. Administrator requirements outlined in Section 6.1 of the VT Open GeoData Portal RFI and proposed solutions.

ID	EGC Priority	Story - Requirement	Stone Solution
5	1-High	As an Administrator/Owner, I want a GeoData Portal solution that allows me to assign login accounts as users, publishers, or administrators.	<i>User Management:</i> Stone proposes to use the ESRI GeopPortal Server as a basis for the VT Open GeoData Portal which has user, publisher, and administrator roles out of the box.
6	1-High	As an Administrator/Owner, I want a GeoData Portal solution that is able to ensure proper user, publisher, and administrator account security.	
7	1-High	As an Administrator/Owner, I want the ability to "disable" a user and/or publisher account that does not comply with established policies.	The GeoPortal Server can tie its user account management into an LDAP directory. If preferred, this means that the GeoPortal's user management can be tied to an enterprise user management system, such as Windows Active Directory.
8	1-High	As an Administrator/Owner, I want the ability to establish, publish, and enforce "user policies" for the GeoData Portal.	
9	1-High	As an Administrator/Owner, I want the ability to reset passwords.	
2	2-Medium	As an Administrator/Owner, I want the ability to create GeoData Portal login accounts and passwords.	<i>Scaling Options:</i> The GeoPortal Server would ideally be on a separate server from the ArcGIS Server instance used to provide map services. The GeoPortal Server has only moderate resource needs in most cases. ArcGIS Server has a built-in clustering and scaling strategy that should allow for necessary growth. The GeoPortal server can operate separate from ArcGIS Server and vice-versa. If VCGI wants to stop using one but not the other there is not vendor lock-in. The Stone application interface built with JavaScript and HTML would, in some places, assume The ArcGIS Server back-end, but because it is openly editable JavaScript (not compiled) it would not be a big issue to re-write portions of the application to work against a different, albeit less capable back-end. Metadata records GeoPortal Server can reference any map services we want, including OGC WMS/WFS services, for example.
4	1-High	As an Administrator/Owner, I want a GeoData Portal architecture that allows me to easily scale-up capacity (eg: bandwidth, storage, etc).	
11	1-High	As an Administrator/Owner, I want a GeoData Portal solution that has an upgrade path (is not a "one off" solution).	
3	2-Medium	As an Administrator/Owner, I want a GeoData Portal architecture that allows me to easily add functionality (eg: widgets, modules, etc).	<i>Data harvesting:</i> The Stone solution offers out of the box harvesting mechanisms and supports URL, ArcGIS, ESRI MS, OAI, WAF, CSW, THREDDS, and ATOM protocols.
10	1-High	As an Administrator/Owner, I want to be able to configure jobs that automatically harvest data from other distributed heterogeneous data repositories via W3C DCAT and/or OGC CS specifications and load them into the GeoData Portal.	

3

Attachment 2: Budget

Stone proposes a solution that expands upon work already done for the NYOPD. This is dependent upon approval by the NYOPD; however we believe that reusing the code base would provide benefits to both NYOPD and VCGI. Development for the NYOPD is ongoing; however they have already invested \$140k in the Geographic Information Gateway (NYOPDGig). Using the NYOPDGig as a spring board for the VT Open GeoData Portal, we estimate that the costs of developing a robust data management and sharing system will be less than building a new system. Estimated budgets include project management, client communication, accounting, and project tasks. Support and maintenance budgets include coverage for support, bugs, and upgrades.

Below is an estimated budget for building, deploying, and supporting the VT Open GeoData Portal.

Item	Estimated Budget
Year 1 – Build and Deploy	
Combined estimate for all requirements under Section 6.1	\$60,000 - \$80,000
Combined estimate for all requirements under Section 7.2 APPENDIX II	\$20,000 - \$50,000
Year 2 – Support and Maintenance	\$5,000 - \$10,000
Year 3 – Support and Maintenance	\$5,000 - \$10,000
Licensing Costs	\$0
Consultancy Rates	\$85 - \$172/hr
Training	\$5000 - \$8,000

4

Attachment 3: NYOPDGig Project Description

PROJECT BRIEF: New York Department of State, Office of Planning and Development: Geographic Information Gateway

Project Location

New York

Date Completed

10/2013 – Ongoing

Project Owner

New York Department of State, Office of Planning and Development

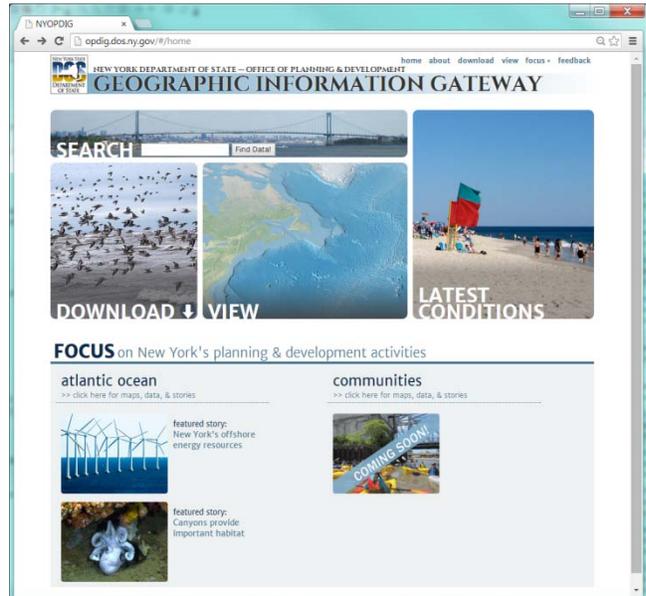
Point of Contact/Reference

Jeffrey Herter
NY Department of State, Office of Planning and Development
99 Washington Avenue, Suite 1010
Albany, NY 12231-0001
Phone: (518) 486-9540
Email / jeff.herter@dos.state.ny.us

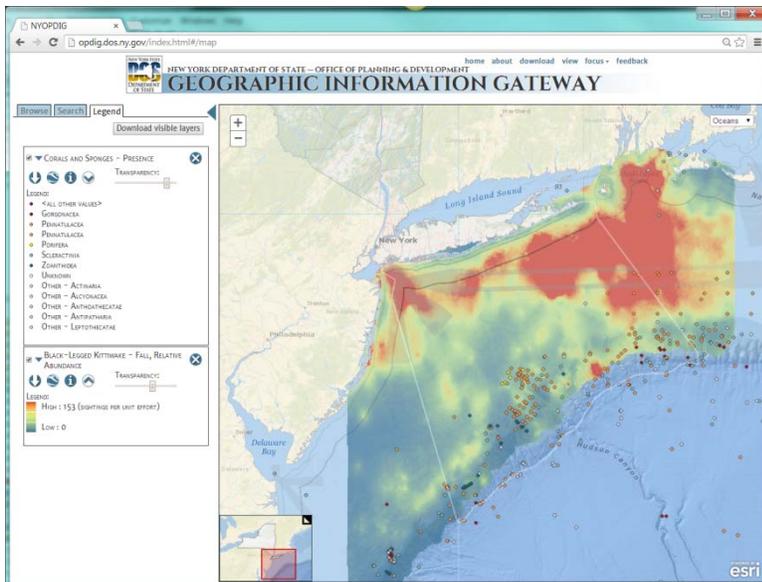
Stone Project ID#: 13-046

Description:

Stone is working with the New York Department of State, Office of Planning and Development (OPD) to develop a Geographic Information Gateway (NYOPDGig) that serves as a "one-stop, state of the art website to find data, information, tools and expert knowledge relevant to New York's existing uses and resources." The NYOPDGig site allows users to view datasets related to the OPD's programs, including the Ocean & Great Lakes Program among five others. The full site includes functionality to browse, search, download, and view datasets. Users can explore data through the web map viewer, by adding datasets to Google Earth, or by reviewing metadata. There is also extensive information on the various programs at the OPD presented as stories.



The NYOPDGig provides access to over 200 datasets and information about OPD's programs.



The Gateway allows users to search, view, explore, and download datasets related to the Office of Planning & Development's programs.

The NYOPDGig site has been developed with the client in mind. The site's various elements, such as stories, metadata, and data records, can be added and configured by administrative users at OPD. Additionally, data partners are being established so that data from outside agencies can be accessible through the NYOPDGig and vice versa. The project is ongoing until March 2015 and, over time, the NYOPDGig site will grow to include more information, data, and stories related to their six programs.