

## BlueBRIDGE - Project Activity #1633

Project WP # 654 (Closed): WP6 - Supporting Blue Economy: VREs Development [Months: 1-30]

Project Task # 656 (Closed): T6.2 Strategic Investment analysis and Scientific Planning/Alerting VRE [Months: 1-30]

### Blue Economy VRE#2 Software Implementation, Integration and Deployment (Stage 2)

Dec 01, 2015 01:07 PM - George Kakalettris

<b>Status:</b>	Closed	<b>Start date:</b>	Oct 01, 2015
<b>Priority:</b>	High	<b>Due date:</b>	Aug 31, 2017
<b>Assignee:</b>	Dimitris Katris	<b>% Done:</b>	100%
<b>Sprint:</b>	WP06		
<b>Participants:</b>	10 - I2S, 11 - CITE, 4 - UOA, 5 - FAO		
<b>Description</b>			
<p>Update: Design and development of software. Initial design task might is valuable. Must describe some functional, or quality aspects. Technologies and procedures must be settled. Training, release and documentation are mandatory tasks that can span several components or facets of software (components/services). Software releases should be foreseen (multiple as per scrum). Methodology for releases must be defined (The full BBP, a ""just deploy"" approach or an intermediate one?). Depending on release methodology, verification might be part of the implementation and not a standalone activity. In any case could be better if automated verification is integral to s/w implementation.</p>			
<b>Subtasks:</b>			
Task # 6101: Geospatial Analytics & Alerting Platform Implementation (Stage 2)			<b>Closed</b>
Task # 6103: Notify VRE users about the projects they are associated with			<b>Closed</b>
Task # 6104: Specify user access rights in projects			<b>Closed</b>
Task # 6107: Layer database table in geanalytics platform			<b>Closed</b>
Task # 6109: Use layer id to identify the layer that a shape belongs to			<b>Closed</b>
Task # 4665: Implement platform architectural abstractions			<b>Closed</b>
Task # 6110: Generic plugin mechanism implementation			<b>Closed</b>
Task # 6111: Provide the ability to inject custom import logic			<b>Closed</b>
Task # 6112: Use the plugin mechanism to offer geanalytic functions			<b>Closed</b>
Task # 6113: Administration UI to register custom plugins			<b>Closed</b>
Task # 6562: Implement caching mechanism for plugins			<b>Closed</b>
Task # 6734: Use the plugin mechanism to offer custom layer attribute visualization cap...			<b>Closed</b>
Task # 6121: Create Version table in geanalytics database			<b>Closed</b>
Task # 6182: Log method invocation and exceptions in geanalytics back end			<b>Closed</b>
Task # 6183: Log method invocation and exceptions in geanalytics portlets			<b>Closed</b>
Task # 6184: Properly handle and display errors in the geanalytics front end			<b>Closed</b>
Task # 6190: Geanalytics admin search in layers			<b>Closed</b>
Task # 6191: Geanalytics admin list users			<b>Closed</b>
Task # 6192: Geanalytics admin UI refinements			<b>Closed</b>
Task # 6195: Parallel import into the geanalytics platform from the portlets			<b>Closed</b>
Task # 6196: Geanalytics admin monitor import jobs			<b>Closed</b>
Task # 6197: Create a dedicated nuts importer to improve import performance			<b>Closed</b>
Task # 6200: Discover database instance through IS			<b>Closed</b>
Task # 6211: Installation and upgrade guidelines for the geanalytics platform			<b>Closed</b>
Task # 6212: Reorganize repository and projects structure			<b>Closed</b>
Task # 6216: Input validation in geanalytics administration portlet and service			<b>Closed</b>
Task # 6260: Allow punctuation characters in tsv import free text fields			<b>Closed</b>
Task # 6261: Refactor the database tables shapeterm and taxonomytermshape			<b>Closed</b>
Task # 6263: Use the newer version of open layers in administration portlet			<b>Closed</b>
Task # 6264: Revise the delete layer administration method			<b>Closed</b>
Task # 6266: Rollback import if an action fails			<b>Closed</b>
Task # 6287: Improve tsv import implementation			<b>Closed</b>
Task # 2001: Implement Geospatial Analytics Model Configuration & Management Logic			<b>Closed</b>

Task # 6317: Improve geoanalytics UI responsiveness	Closed
Task # 6324: Define geocode systems as an entity of the platform	Closed
Task # 6334: Implement a sample geospatial function	Closed
Task # 6336: Handle errors and display appropriate messages to users if an error occurs	Closed
Task # 1999: Implement generic data access model of Geopolis	Closed
Task # 1992: Logical Layer Broker & Manager development	Closed
Task # 1993: Logical Layer Broker development	Closed
Task # 1994: Logical Layer Manager Development	Closed
Task # 6491: Provide additional information in wfs import	Closed
Task # 6755: Implement shape file importer in geoanalytics platform	Closed
Task # 6757: Specify bounding box in which a geoanalytics function will be executed	Closed
Task # 6847: Add layer style management in the geoanalytics platform	Closed
Task # 6983: Offer layer tagging feature to the geoanalytics platform	Closed
Task # 7144: Add support for raster layers from GeoTiff files	Closed
Task # 7542: Offer support for layers residing to external or infrastructure geoservers	Closed
Task # 7543: Expose wfs endpoint in the geoanalytics platform	Closed
Task # 6323: Support grouping of layers that present same info with different detail level	Closed
Task # 2000: Implement virtual layer configuration & management logic	Closed
Task # 7547: Improve and generalize CSV/TSV importer	Closed
Task # 7990: Add the ability to import template layers in the shapefile importer	Closed
Task # 7991: Distributed execution of investment opportunity evaluation algorithms	Closed
Task # 7994: Map the area to explore for optimal investment opportunity evaluation in ...	Closed
Task # 7996: Store the result of a distributed algorithm execution in the geoanalytics ...	Closed
Task # 1946: Analyze Apache Spark utilization options	Closed
Task # 1419: Implement Apache Spark abstractions for execution of customer code	Closed
Task # 7545: Implement an exhaustive map exploration algorithm that executes a fitness ...	Closed
Task # 8794: Implement a probabilistic map exploration algorithm (simulated annealing) ...	Closed
Task # 8985: Arbitrary layers that prevent the construction of an aquafarm in investmen...	Closed
Task # 9981: Use the mesos spark cluster in order to execute geoanalytics functions	Closed
Task # 10887: Allow parallel execution of spark jobs in the mesos cluster with dynamic ...	Closed
Task # 8795: Implement a mechanism that provides the status of the execution of a function	Closed
Task # 8853: Extend the geoanalytics UI to show the functions' execution status	Closed
Task # 8906: Reform the Geoanalytics backend to support asynchronous executions	Closed
Task # 8796: Make layer attribute visualization configurable	Closed
Task # 9446: Export layers as shapefiles from geoanalytics admin portlet	Closed
Task # 9586: Support multiple attribute values as a result of a function	Closed
Task # 9587: Offer style selection in the geoanalytics functions UI	Closed
Task # 9849: Explicit layer publishing/unpublishing from geonetwork	Closed
Task # 9852: Reconnect geospatial cluster node after network issues	Closed
Task # 9974: Add support for public projects in geoanalytics	Closed
Task # 9976: Add search support in layer selection at project creation in geoanalytics ...	Closed
Task # 10886: Allow importing of huge shapefiles in the geoanalytics platform	Closed
Task # 6099: Techno-Economic Analysis Platform Implementation (Stage 2)	Closed
Task # 5539: Persist input and output of techno-economic analysis execution	Closed
Task # 5542: Cache and reuse service endpoints in both techno-economic analysis portlet...	Closed
Task # 5558: Calculate initial fish fry in economic model evaluation	Closed
Task # 5603: Compare output results of techno economic analysis execution	Closed
Task # 5604: Export output results of techno economic analysis execution	Closed
Task # 6178: Realign/Review table view elements of Techno Economic Analysis	Closed
Task # 6210: Remove the techno-economic-analysis portlet border and title	Closed
Task # 6497: Request mortality rate value from SimulFishGrowthDataAPI.	Closed
Task # 6679: Techno-Economic Analysis - Advanced mode & Help	Closed
Task # 7046: Consume feed consumption from performance analysis in the technoeconomic a...	Closed

Task # 6486: Clear SIASPA VRE geonetwork invalid entries	Closed
Task # 6744: Revise and Enrich Cost Model for Aquaculture Investment Performance Evalua...	Closed
Task # 7309: Provide a users guide for geoanalytics platform and administration portlet	Closed
Task # 2300: Implement investment performance KPIs	Closed
Task # 2301: Implement Cost Model for Aquaculture Investment Performance Evaluation	Closed
Task # 1948: Design and implement algorithms for investment opportunity evaluation	Closed
Task # 7546: Implement investment performance KPIs as fitness functions	Closed
Task # 7548: Define factors that prevent the construction of an aquafarm in an area	Closed
Task # 8462: Integrate and use global performance model library in investment opportuni...	Closed
Task # 8464: Document the socioeconomic and preventive factors that will be used in the...	Closed
Task # 8791: Create a library that offers the sea surface temperature for a specific lo...	Closed
Task # 8792: Create a library that offers the concentration of dissolved oxygen for a s...	Closed
Task # 9563: Implement aquaculture production performance KPIs as fitness functions	Closed
Feature # 1422: Implement a generalized mechanism for Apache Spark integration into the...	Closed

## History

### #1 - Jan 04, 2016 01:55 PM - George Kakalettris

- Start date set to Sep 01, 2015

due to changes in a related task

### #2 - Sep 15, 2016 02:06 PM - George Kakalettris

- Assignee changed from Gerasimos Farantatos to Dimitris Katris

### #3 - Dec 01, 2016 01:54 PM - Dimitris Katris

- Start date changed from Dec 01, 2016 to Oct 20, 2016

- Due date set to Dec 19, 2016

due to changes in a related task

### #4 - Dec 02, 2016 10:34 AM - Dimitris Katris

- Start date changed from Oct 20, 2016 to Jun 06, 2016

- Due date changed from Dec 19, 2016 to Mar 31, 2017

due to changes in a related task

### #5 - Dec 02, 2016 10:49 AM - Dimitris Katris

- Start date changed from Jun 06, 2016 to Oct 20, 2016

- Due date changed from Mar 31, 2017 to Dec 19, 2016

due to changes in a related task

### #6 - Dec 13, 2016 04:25 PM - Dimitris Katris

- Start date changed from Oct 20, 2016 to Oct 01, 2015

due to changes in a related task

### #7 - Jan 03, 2017 10:31 AM - Dimitris Katris

- Due date changed from Dec 19, 2016 to May 31, 2017

due to changes in a related task

**#8 - Jan 18, 2017 02:26 PM - Dimitris Katris**

- *Due date changed from May 31, 2017 to Sep 30, 2017*

due to changes in a related task

**#9 - Mar 20, 2017 03:57 PM - Dimitris Katris**

- *Status changed from New to In Progress*

**#10 - Mar 05, 2018 10:59 AM - Dimitris Katris**

- *Status changed from In Progress to Closed*

The second period of software development has been successfully completed.

**#11 - Mar 05, 2018 11:00 AM - Dimitris Katris**

- *Assignee changed from Dimitris Katris to Dimitris Katris*