

## QGIS Application - Feature request #2063

### wrapper for R and GRASS

2009-11-08 01:23 AM - Paolo Cavallini

<b>Status:</b>	Closed	
<b>Priority:</b>	Low	
<b>Assignee:</b>		
<b>Category:</b>	GRASS	
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> fixed
<b>Easy fix?:</b>	No	<b>Copied to github as #:</b> 12123
<b>Description</b>		
<p>It would be good to add a wrapper for one-shot analyses to be done in GRASS and R. In GRASS, this means:</p> <ul style="list-style-type: none"><li>- load a raster with r.external</li><li>- generate a location based on it</li><li>- run the analysis</li><li>- output a tiff</li><li>- load the tiff on the canvas</li></ul> <p>Similar for vectors. Of course serious GRASS work must be done via the GRASS plugin, but this will make rather complex analyses available also to non-GRASS aware people, providing a gentle introduction to it, and increasing the power of QGIS analyses.</p>		

#### History

##### #1 - 2010-02-12 06:29 AM - Redmine Admin

How GRASS is involved here? There is rgdal. Especially if you start with r.external, I don't see any reason it should be somehow linked to GRASS plugin. It can be general tool either reading data directly from providers (better I think) or via gdal (rgdal).

##### #2 - 2010-02-12 06:33 AM - Paolo Cavallini

Sorry I was unclear. Many users find the location-mapset GRASS concept difficult to understand, and cumbersome for one-shot analyses. The idea here is to hide this complexity by creating a location on the fly, running the analysis, exporting the result, and load it on the canvas. In this way, one could use GRASS without knowing much about it.

##### #3 - 2011-03-04 09:27 AM - Paolo Cavallini

See more details in #3135

##### #4 - 2011-04-16 06:34 AM - Paolo Cavallini

Concerning on the fly GRASS locations, see this example of a simple implementation: [http://grass.osgeo.org/wiki/GRASS\\_and\\_Sextante](http://grass.osgeo.org/wiki/GRASS_and_Sextante)

##### #5 - 2011-04-16 09:06 AM - Markus Neteler

Sextance uses GRASS in a very efficient way, no need to understand GRASS' location-mapset concept. It creates a mapset on the fly and just runs the analysis in a temporary session as indicated above. Works nicely in the gvSIG-OADE-Sextante-GRASS package which I indicated in the GRASS Wiki page. It would be a BIG (and likely rather easy to implement) improvement of the QGIS-GRASS integration to use the same method. All pieces are likely there.

**#6 - 2012-10-06 02:29 AM - Pirmin Kalberer**

- *Target version changed from Version 2.0.0 to Future Release - Nice to have*

**#7 - 2013-03-16 01:07 PM - Giovanni Manghi**

- *Pull Request or Patch supplied set to No*

- *Status changed from Open to Closed*

- *Assignee deleted (nobody -)*

- *Resolution set to fixed*

solved with sextante.