

QGIS Application - Bug report #18908

SAGA algorithms not usable in Processing Modeler

2018-05-04 02:15 PM - matteo ghetta

Status: Closed	
Priority: High	
Assignee:	
Category: Processing/Modeller	
Affected QGIS version: 3.1(master)	Regression?: Yes
Operating System: any	Easy fix?: No
Pull Request or Patch supplied: No	Resolution:
Crashes QGIS or corrupts data: No	Copied to github as #: 26740

Description

All the SAGA algorithms seems not usable in Processing Modeler. The same algorithms with the same data runs fine outside the Modeler. Here some other infos:

- SAGA raster algorithms: the only way to have output is to save the outout raster as `sdat` file. Both temporary layers and other formats will fail:

Processing algorithm...

Algorithm 'model' starting...

Input parameters:

```
{ 'ras' : '/home/matteo/lavori/miei/QPROTO2/DTM.tif', 'saga:rastercalculator_1:fsa' :
```

```
'/tmp/processing_9f73c2c2a9ec46afa0f9703f84015abb/dcfb7760f5d54397ae189c1cd1238814/saga_rastercalculator_1_fsa.tif' }
```

Prepare algorithm: saga:rastercalculator_1

Running Raster calculator [1/1]

Input Parameters:

```
{ FORMULA: 'a*a', GRIDS: '/home/matteo/lavori/miei/QPROTO2/DTM.tif', RESAMPLING: 3, RESULT:
```

```
'/tmp/processing_9f73c2c2a9ec46afa0f9703f84015abb/dcfb7760f5d54397ae189c1cd1238814/saga_rastercalculator_1_fsa.tif',
```

```
TYPE: 7, USE_NODATA: False, XGRIDS: ['/home/matteo/lavori/miei/QPROTO2/DTM.tif'] }
```

grid_calculus "Grid Calculator" -GRIDS

```
"/tmp/processing_9f73c2c2a9ec46afa0f9703f84015abb/2bbd3348cbef489a8e5dd89f0af54cb8/DTM.sgrd" -XGRIDS
```

```
"/tmp/processing_9f73c2c2a9ec46afa0f9703f84015abb/2bbd3348cbef489a8e5dd89f0af54cb8/DTM.sgrd" -FORMULA "a*a"
```

```
-RESAMPLING 3 -USE_NODATA false -TYPE 7 -RESULT
```

```
"/tmp/processing_9f73c2c2a9ec46afa0f9703f84015abb/dcfb7760f5d54397ae189c1cd1238814/saga_rastercalculator_1_fsa.tif"
```

```
##### ## ##### ##
```

```
### ### ## ###
```

```
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```

```
### ##### ## # #####
```

```
##### # ## ##### # ##
```

SAGA Version: 2.3.1

library path: /usr/lib/x86_64-linux-gnu/saga/

library name: libgrid_calculus

library : Calculus

tool : Grid Calculator

author : A.Ringeler (c) 2003

processors : 4 [4]

Load grid: /tmp/processing_9f73c2c2a9ec46afa0f9703f84015abb/2bbd3348cbef489a8e5dd89f0af54cb8/DTM.sgrd...

Parameters

Grid system: 10; 761x 718y; 346560.239738x 4899625.453186y

Grids: 1 object (DTM)

Grids from different Systems: 1 object (DTM)

Resampling: B-Spline Interpolation

Result: Result

Formula: a*a

Name: Calculation

Take Formula: no

Use NoData: no

Data Type: 4 byte floating point number

Warning: The number of supplied grids exceeds the number of variables in formula. (2 > 1)

OK. Execution took 1.543 s (1 outputs).

Model processed OK. Executed 1 algorithms total in 1.607 s.

Execution completed in 1.65 seconds

Results:

{'saga:rastercalculator_1:fsa':

'/tmp/processing_9f73c2c2a9ec46afa0f9703f84015abb/dcfb7760f5d54397ae189c1cd1238814/saga_rastercalculator_1_fsa.tif'}

Loading resulting layers

The following layers were not correctly generated.

/tmp/processing_9f73c2c2a9ec46afa0f9703f84015abb/dcfb7760f5d54397ae189c1cd1238814/saga_rastercalculator_1_fsa.tif

You can check the 'Log Messages Panel' in QGIS main window to find more information about the execution of the algorithm.

- SAGA vector: no algorithms are working. No memory layers, no shapefile, no geopackage:

2018-05-04T14:10:09 CRITICAL Traceback (most recent call last):

File "/home/matteo/lavori/QGIS/newbuild/output/python/plugins/processing/algs/saga/SagaAlgorithm.py", line 203, in processAlgorithm

self.tr('Unsupported file format'))

_core.QgsProcessingException: Unsupported file format

Associated revisions

Revision f85a3d6b - 2018-06-04 04:00 AM - Nyal Dawson

[processing][SAGA] Fix exposed output formats to include only those supported by SAGA

Refs #18908

Revision e91aed66 - 2018-06-05 02:05 AM - Nyall Dawson

[processing] Force model outputs to respect constraints set by their underlying algorithm's provider

E.g. for model outputs generated by a saga algorithm, only sdat and shp files are valid outputs. So only give users choices of these instead of all formats.

Also fixes temporary file names generated as part of model execution may use formats which are not compatible with the algorithm's provider.

Fixes #18908

History

#1 - 2018-06-05 02:05 AM - Nyall Dawson

- % Done changed from 0 to 100
- Status changed from Open to Closed

Applied in changeset commit:qgis|e91aed6617416428bc790cbcafa48c2ccc357fbf.