

QGIS Application - Bug report #19836

QgsProcessingParameterMultipleLayers unreliable order in processing models

2018-09-13 01:03 AM - Olivier Dalang

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Processing/Modeller	
Affected QGIS version:	3.3(master)	Regression?: No
Operating System:	Windows 10	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	No	Copied to github as #: 27660

Description

(note : this looks similar to #19835 but is not related)

The order of layers with QgsProcessingParameterMultipleLayers is not reliable in processing models.

Depending on whether layers are loaded from the project (in normal model execution) or from the filesystem (optional in normal execution, but always the case in batch execution), the order of layers inside a processing model won't be the same.

Example

Normal :

...

Running Merge vector layers [2/2]

Input Parameters:

{ CRS: None, LAYERS:

['C:/Users/Olivier/Desktop/tests/b.shp', 'Polygon?crs=EPSG:4326&field=FID:long(11)&field=a:string(1)&uid={c60acafa-8abd-435a-bde6-32416eb7ea}'], OUTPUT: 'C:/Users/Olivier/Desktop/tests/results.shp' }

...

Layers from filesystem (always the case when running in batch):

...

Running Merge vector layers [2/2]

Input Parameters:

{ CRS: None, LAYERS:

['Polygon?crs=EPSG:4326&field=FID:long(11)&field=a:string(1)&uid={886826c9-fa96-43c0-984a-95c9afa585fb}', 'C:/Users/Olivier/Desktop/tests/b.shp'], OUTPUT: 'C:/Users/Olivier/Desktop/tests/results.shp' }

...

Steps to reproduce

- Open attached project
- Run the embedded `test` model normally (assign layer a to parameter a and b to b)
- Run the embedded `test` model as batch (again assigning layer a to parameter a and b to b)
- Compare the two results : the merge didn't happen in the same order (look at columns order).

Associated revisions

Revision ee4afe2d - 2018-10-01 06:17 AM - Julien Cabieces

Fixes #19836
Keep layer order when using different way for passing layer (layer id or layer pointer for instance)

History

#1 - 2018-09-13 11:55 AM - Jürgen Fischer

- *Description updated*

#2 - 2018-10-01 06:16 AM - Anonymous

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

Applied in changeset commit:qgis|ee4afe2db1fdeb4480a10028fa7a77aab8ef1596.

Files

tests.zip	10 KB	2018-09-12	Olivier Dalang
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