

# QGIS Application - Bug report #19836

## QgsProcessingParameterMultipleLayers unreliable order in processing models

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

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

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## Associated revisions

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### 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

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### #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

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