# 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?:NoOperating System:Windows 10Easy fix?:No

Pull Request or Patch shapplied: Resolution:

Crashes QGIS or corruptes data: 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-bde6-32416ebeb7ea}'], OUTPUT: 'C:/Users/Olivier/Desktop/tests/results.shp' }

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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' }

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#### 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**

## 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|ee4a fe2db1fdeb4480a10028 fa7a77aab8ef1596.

## **Files**

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

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