

## QGIS Application - Bug report #19691

### The default crs of the project should not be overridden by the first layer added

2018-08-24 07:51 PM - Harrissou Santanna

<b>Status:</b> Open	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Projection Support	
<b>Affected QGIS version:</b> 3.3(master)	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 27516

#### Description

In the Settings --> Options --> CRS menu, user can choose a CRS which is used as default whenever he opens a new blank project. Then if he adds a layer:

- if the layer CRS is different from the one set for the project, the project CRS is changed and aligned with the first loaded layer CRS;
- if it's a geometryless layer, then the project CRS is set to epsg:4326

I think instead of automatically overriding the crs of the project (which was consciously set by default), it should keep it and reproject the files added. Discussion at

<http://osgeo-org.1560.x6.nabble.com/QGIS-Developer-Unable-to-understand-the-quot-Default-CRS-for-new-projects-quot-setting-td537179.html> and proposals from Nyal are:

*The options I can see are:*

- 1. Remove the setting, always start new projects in EPSG:4326, and then switch to match the crs of the first loaded layer*
- 2. Remove the "set project crs to match first loaded layer crs" feature, and always start new projects in the crs defined by that setting. Loading layers doesn't change the crs.*

*We need to proceed with caution here. For reference, I'd be a hesitant +1 to option 2.*