QGIS Application - Feature request #17961
Allow algorithms to set style and layer options for outputs

2018-01-25 08:29 PM - Paolo Cavallini

Status:	Closed			
Priority:	Low			
Assignee:	Victor Olaya			
Category:	Processing/Core			
Pull Request or Patch supplied:	No		**Resolution:**	fixed/implemented
Easy fix?:	No		**Copied to github as #:**	25857

Description

The "Add unique value field index" algorithm generates a code for each category. Optionally now https://github.com/qgis/QGIS/pull/6132 it creates a summary table mapping the new categories to their original values.

It would be good to automatically add in the layer property style the summary table as Value map.

This relates to the more general issue of automatically applying an appropriate style to the output of some commands (e.g. a greyscale for aspect, etc.).

This is the approach used by GRASS since long.

Related issues:

Related to QGIS Application - Feature request # 10146: Add appropriate colour...	**Closed**	**2014-05-01**

Associated revisions

Revision bd1d87ed - 2018-03-15 07:55 AM - Nyall Dawson

[processing] Allow algorithms to set layer post-processors for execution on generated layers after the algorithm (or parent model) completes

This commit adds an interface for layer post-processing handlers for execution following a processing algorithm operation.

Post-processing of a layer will ONLY occur if that layer is set to be loaded into a QGIS project on algorithm completion.

Algorithms that wish to set post-processing steps for generated layers should implement this interface in a separate class (NOT the algorithm class itself!) and implement a method to handle the layer post-processing.

This method always runs in the main thread and can be used to setup renderers, editor widgets, metadata, etc for the given layer.

Fixes #17961

History

#1 - 2018-01-27 08:09 AM - Alexander Bruy

IMHO assigning style and widgets should not be done auotmatically. Also this is huge maintenance task, as we have more than 300 algorithms in default setup and will need to add and keep updated styles for every output in every algorithm.

If user wants to apply custom styles to the results, there is a possibility to do this.

#2 - 2018-01-27 08:09 AM - Alexander Bruy

- Related to Feature request #10146: Add appropriate colour ramps to results of analyses added

#3 - 2018-01-27 12:08 PM - Paolo Cavallini

IMHO the GRASS approach makes sense: add automatically the style when meaningful (e.g. aspect on a greyscale, etc.). In this way the task is far smaller.

#4 - 2018-01-29 01:56 AM - Nyall Dawson

> *IMHO assigning style and widgets should not be done auotmatically. Also this is huge maintenance task, as we have more than 300 algorithms in default setup and will need to add and keep updated styles for every output in every algorithm.*

I don't think we'd do this by default - what I was thinking was some way to allow algorithms to set metadata for outputs, which could include things like style options to apply to the output layer (if it's set to load back into QGIS).

#5 - 2018-01-29 01:56 AM - Nyall Dawson

- Subject changed from Add Value map from categories to Allow algorithms to set style and layer options for outputs

#6 - 2018-02-22 01:34 PM - Arnaud Morvan

- Tracker changed from Bug report to Feature request

#7 - 2018-02-24 04:45 PM - Paolo Cavallini

Expanded from #10146, now set as duplicate

#8 - 2018-03-15 07:55 AM - Nyall Dawson

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

Applied in changeset commit:qgis|bd1d87ed86624ba7bf002aee78b9659d09fb667d.

#9 - 2018-03-15 12:06 PM - Giovanni Manghi

- Resolution set to fixed/implemented