

# **Help manual CQestratificator**



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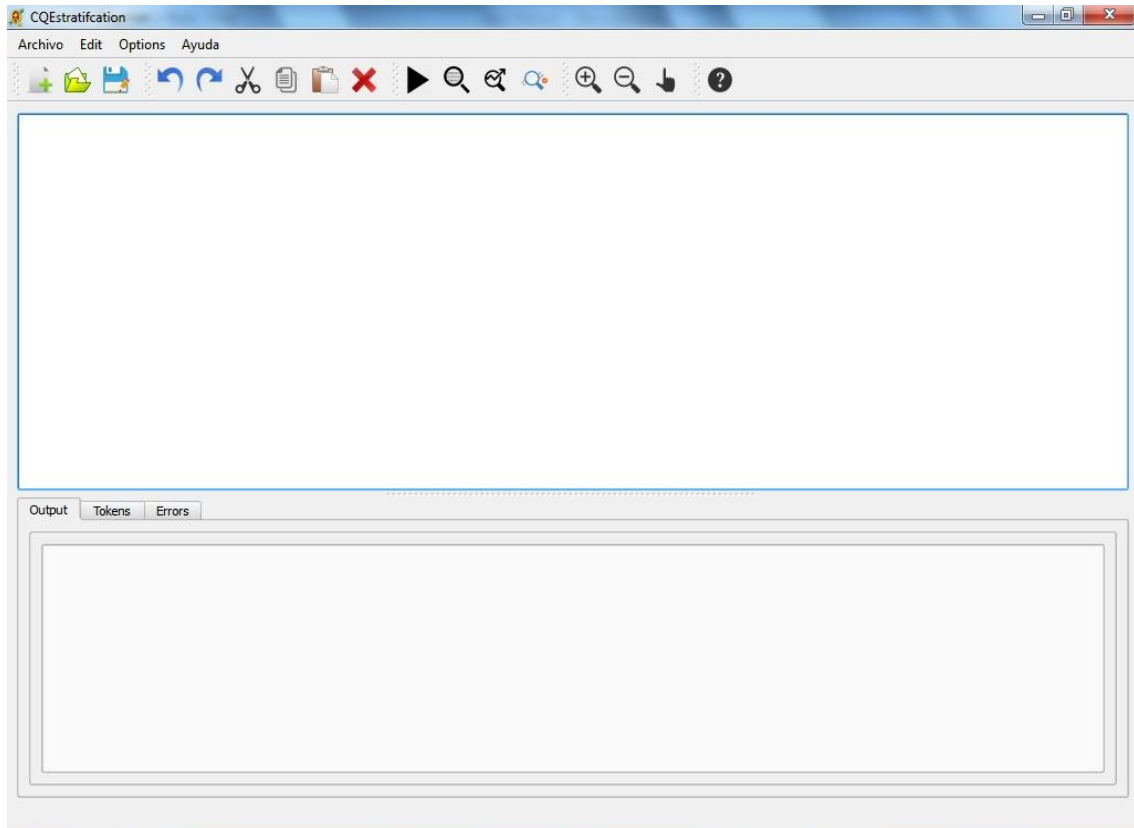
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**Year: 2015**

# CQestratificator description

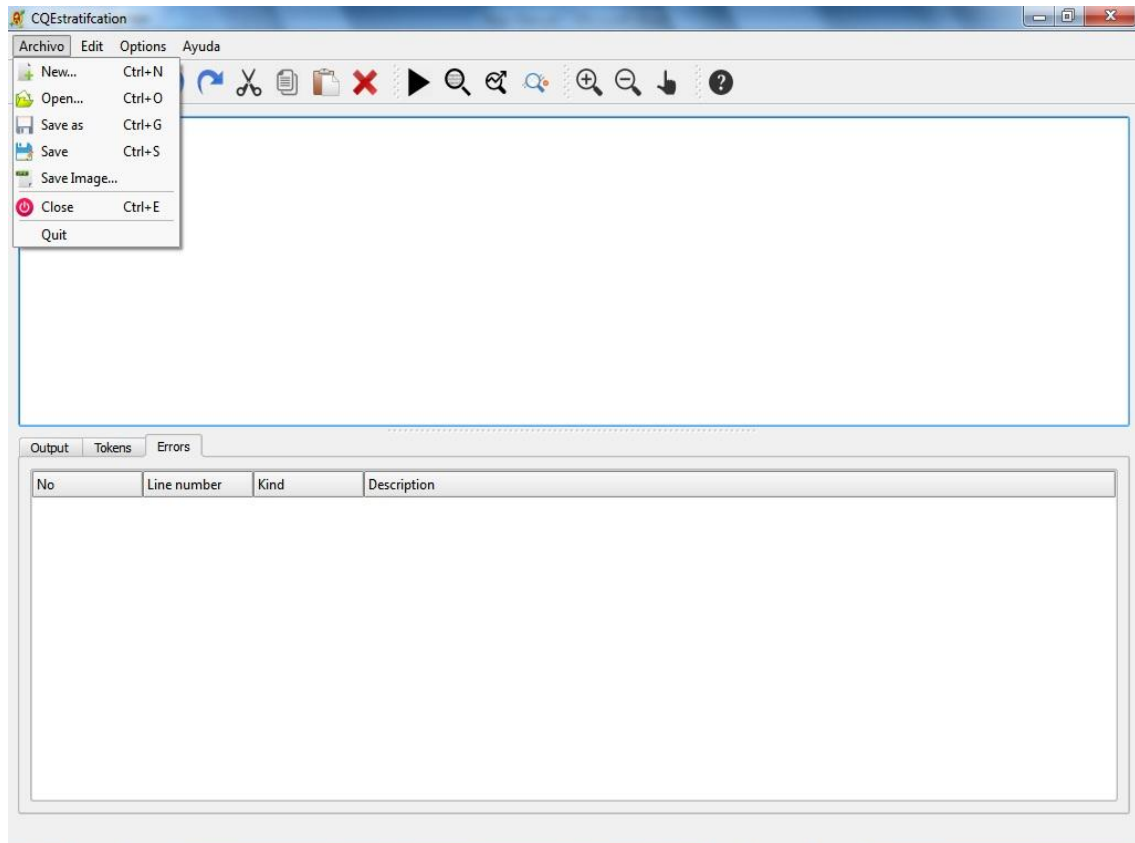
CQestratificator plugin allow represent stratas of territories in Qgis through a simple programming language.

CQestratificator presents the user with the following appearance.



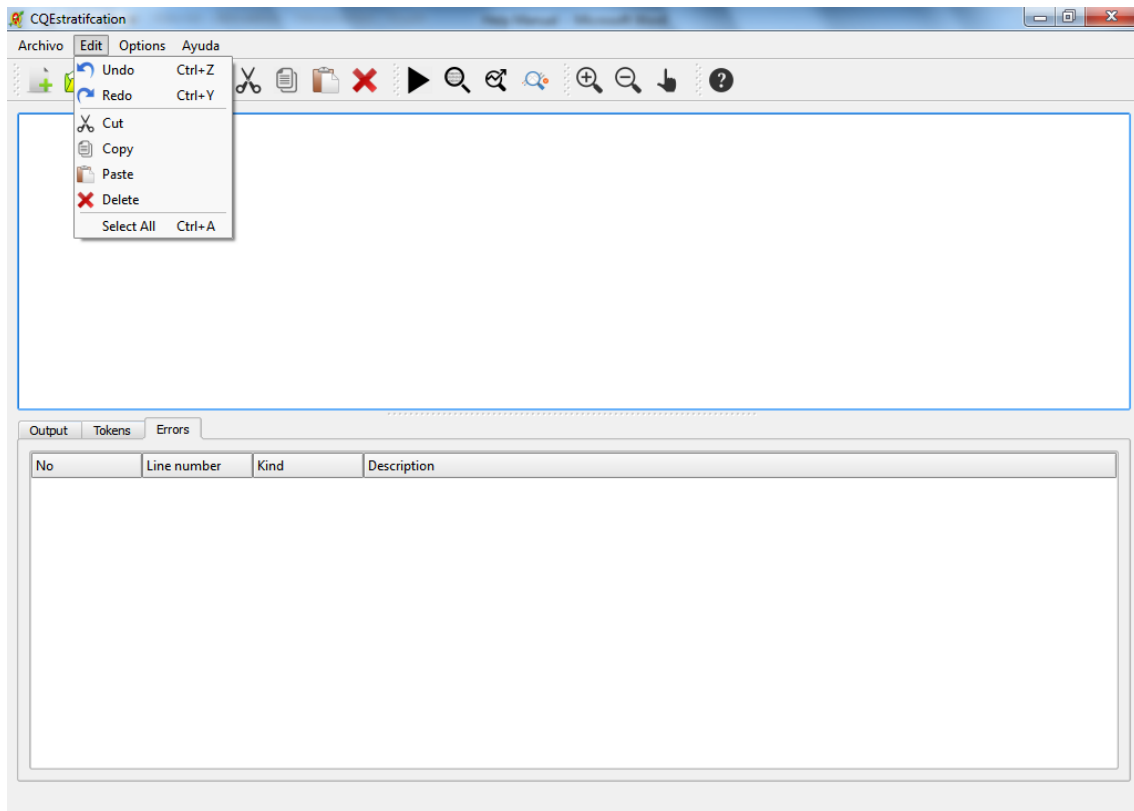
# CQestratificator features

To start working with the system click the "File" option at the top left of the main page. Then a menu where the various functions that gives us the present system will be displayed



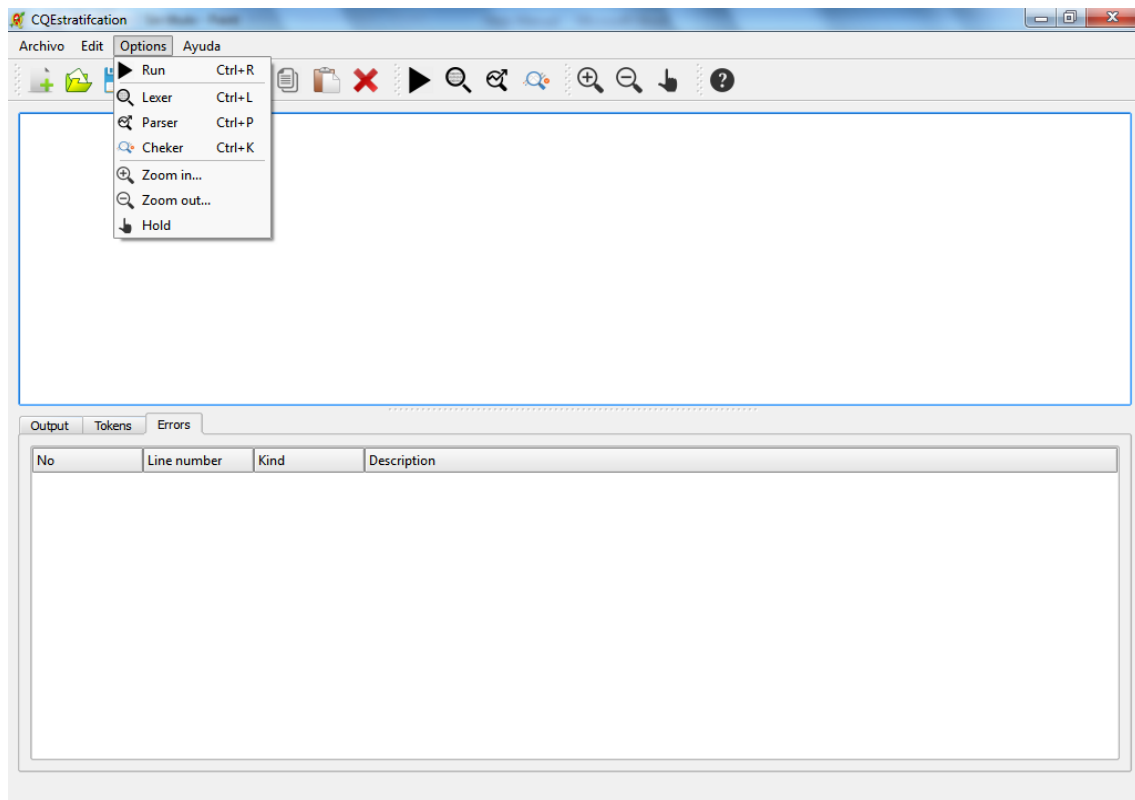
- The option **New** allow create a new file.
- The option **Open** allow open a file existing in the computer.
- The option **Save as** allow save the code in the computer.
- The option **Save** allow save the changes in the open file.
- The option **Save Image...** allow save the map image in the computer.
- The option **Close...** allow close the CQestratificator program.
- The option **Close...** allow force close the CQestratificator program.

Once above the "Edit" option can access the functionalities that gives us such a module.



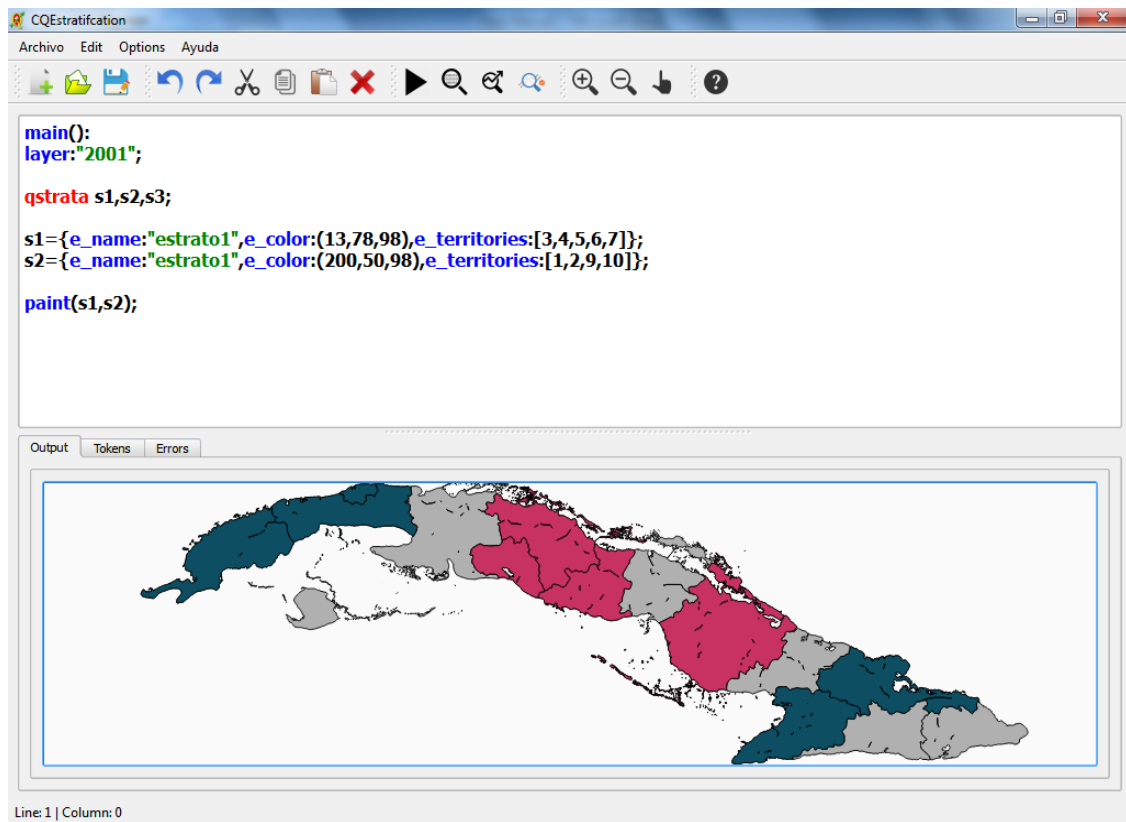
- The option **Undo** allow undo insert action.
- The option **Redo** allow redo insert action.
- The option **Cut** allow cut the selected text.
- The option **Copy** allow copy the selected text.
- The option **Paste** allow paste the selected text.
- The option **Delete...** allow remove the selected text.
- The option **Select all...** allow select all text of code editor.

The **Options** tab provides the following functionalities.



- The option **Run** allow run the code to be located in code Editor.
- The option **Lexer** allow perform lexical analysis of the code to be located in code Editor.
- The option **Parser** allow perform parsing analysis of the code to be located in code Editor.
- The option **Cheker** allow perform semantic analysis of the code to be located in code Editor.

The options **Zoom In**, **Zoom out** and **Hold** allow handle the map to be located in the tab **Output**.



In the tab **Errors** you can look at all errors the code executed to be located in code Editor.

CQEstratification

Archivo Edit Options Ayuda

```
main():
layer:"2001";

qstrata s1,s2,s3;

s1={e_name:"estr
ato1",e_color:(13,78,98),e_territories:[3,4,5,6,7]};
s2={e_name:"estrato1",e_color:(200,50,98),e_territories:[1,2,9,10]};

paint(s1,s2);
```

Output Tokens Errors

No	Line number	Kind	Description
1	6	Lexical error	Invalid qstring estr
2	7	Lexical error	[3,4,5,6,7]);
1	6	Sintax error	He expected an qstring
2	10	Sintax error	It was expected the token tk_coma and was found the token tk_paint
3	10	Sintax error	It was expected the token tk_e_color and was found the token tk_paint
4	10	Sintax error	It was expected the token tk_dosPuntos and was found the token tk_paint
5	10	Sintax error	It was expected the token tk_lparent and was found the token tk_paint
6	10	Sintax error	It was expected the token tk_coma and was found the token tk_paint
7	10	Sintax error	It was expected the token tk_e_territories and was found the token tk_paint
8	10	Sintax error	It was expected the token tk_dosPuntos and was found the token tk_paint
9	10	Sintax error	It was expected the token tk_rkey and was found the token tk_paint
10	10	Sintax error	It was expected the token tk_puntoComa and was found the token tk_paint
1	10	Semantic error	Using Variable s1 not be initialized
2	10	Semantic error	Using Variable s2 not be initialized

Line: 7 | Column: 0

In the tab **Tokens** you can look at all tokens the code executed to be located in code Editor.

CQEstratification

Archivo Edit Options Ayuda

```
main():
layer:"2001";

qstrata s1,s2,s3;

s1={e_name:"estr
ato1",e_color:(13,78,98),e_territories:[3,4,5,6,7]};
s2={e_name:"estrato1",e_color:(200,50,98),e_territories:[1,2,9,10]};

paint(s1,s2);
```

Output Tokens Errors

No	Kind	Lexeme
1	tk_main	main
2	tk_lparent	(
3	tk_rparent	)
4	tk_dosPuntos	:
5	tk_layer	layer
6	tk_dosPuntos	:
7	tk_literalCadena	2001
8	tk_puntoComa	;
9	tk_qstrata	qstrata
10	tk_identificador	s1
11	tk_coma	,
12	tk_identificador	s2
13	tk_coma	,
14	tk_identificador	s3
15	tk_puntoComa	;
16	tk_identificador	s1
17	tk_asignacion	=

Line: 7 | Column: 0

In the option **About CQestratificator** you can look at some details of this program.

