WAPlugin: Water Accounting and Productivity QGIS Plugin

Natalia Cárdenas Niño
WAPlugin Team
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WAPugin: Team

• We are an international team from several countries around the world.

• The WAPUGIN team was formed during the WaPOR Hackathon.

• The team members are water professionals and computer science engineers.
WAPlugian: Idea

Water accounting and productivity PLUGIN based on WaPOR data for QGIS platform
WAPlugin: Concept Development

- The plugin brings the data from WaPOR portal to QGIS. It allows the data to be used for further processing.

- The connection is established with the WaPOR Application Programming Interface (API) Service.

- The plugin provides in its interface the feature for calculating water accounting indicators based on WaPOR data sets.

- The indicators will support users by generating outputs (maps and values) for further assessment and evaluation.
WAPPlugin: Application development

• The plugin has two main features: The ‘WaPOR Catalog’ and the ‘Indicators Calculator’

• The indicators computation is done entirely by the plugin, and in some cases, it will require extra information from the user.

• The results will be shown as a raster, or value in some cases, that can be added automatically as a raster layer in the QGIS Canvas.
WAPlugin: Version 1.0

- The WAPlugin version 1.0 it was recently released.

- It is not in the QGIS plugins list yet.

- For version 1.0, for now, includes 4 indicators (equity, beneficial fraction, adequacy and relative water deficit).

- The users will save 2 times the actual time for using WaPOR data and calculating water accounting indicators in QGIS.

- Should be tested by the users.
WAPplugin: Installation, Validation and Improvements

- For installing the plugin, it can be done cloning the WAPplugin's github repository.

- Testers will be recruited from social media, to obtain feedback for each version release.

- The github platform gives access to the open-source community to the project allowing a potential exponential growth.

- Improvements and maintenance will be done periodically by the WAPplugin team, to ensure the proper functioning of the plugin.
Thank you!

LinkedIn: Waplugin Qgis  Twitter: @WAPlugin  Facebook: @WaPlugin
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