

WAPLugin: Water Accounting and Productivity QGIS Plugin

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WAPLugin: Team

- We are an international team from several countries around the world.
- The WAPLUGIN team was formed during the WaPOR Hackathon.



- The team members are water professionals and computer science engineers.

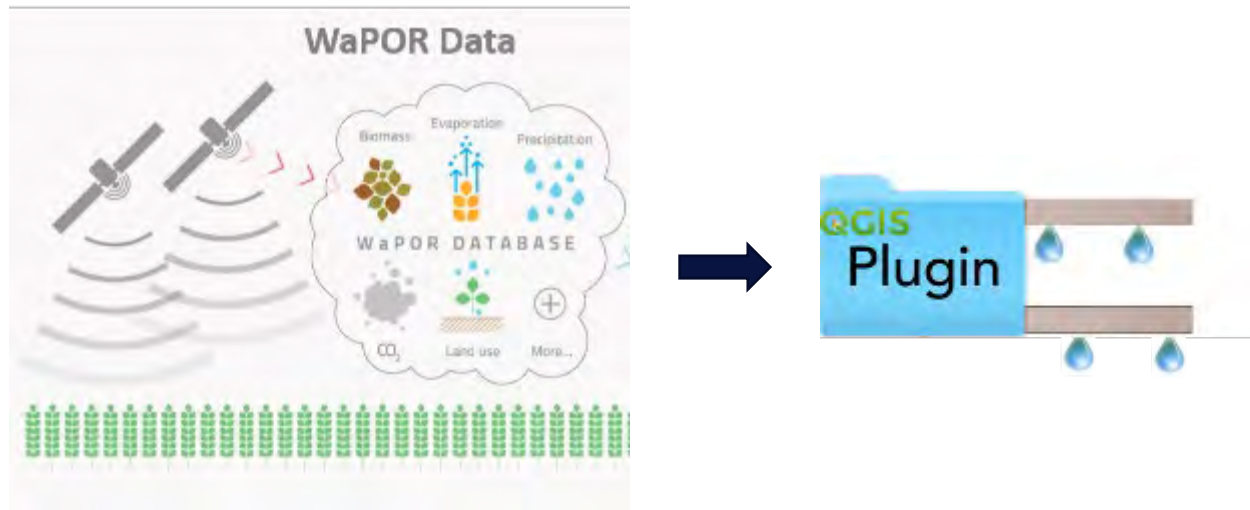


WAPLugin: Idea



Water accounting and
productivity **PLUGIN**
based on WaPOR data for
QGIS platform

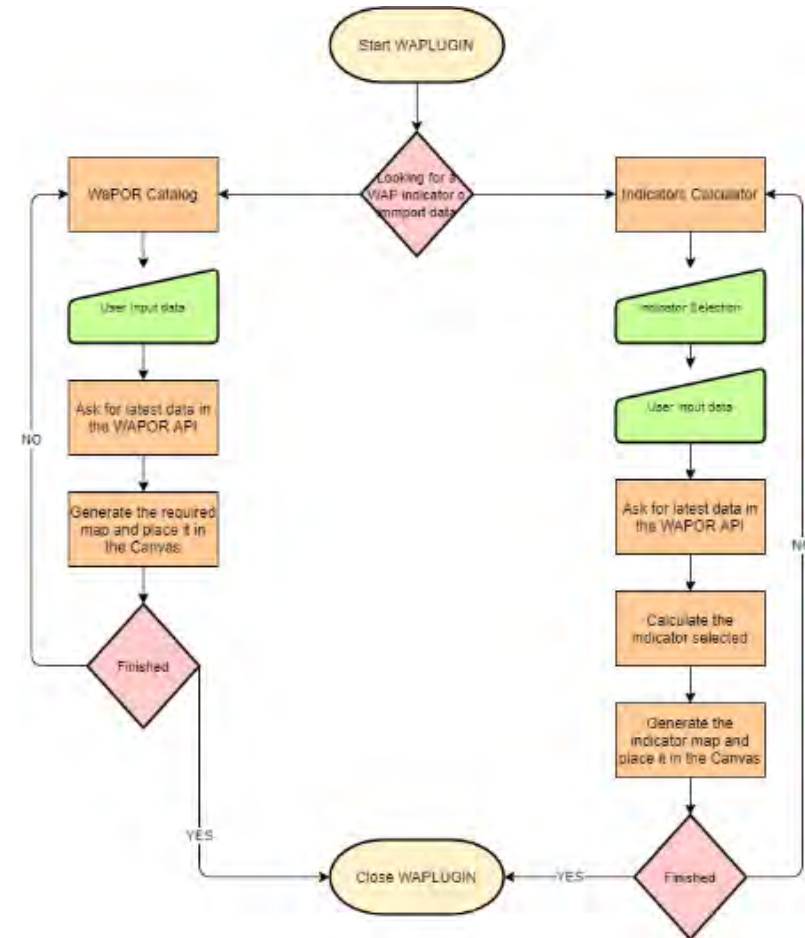
WAPLugin: Concept Development



- The plugin brings the data from WaPOR portal to QGIS. It allows the data to be use 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.

WAPLugin: 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.

WAPLugin: Installation, Validation and Improvements

- For installing the plugin, it can be done cloning the WAPLugin'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 WAPLugin team, to ensure the proper functioning of the plugin.



Thank you!

 Waplugin Qgis  @WAPLugin  @WaPlugin

WaterPIP

Water Productivity Improvement in Practice

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