



**Food and Agriculture
Organization of the
United Nations**



Module 5

AquaCropPlotter

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- This presentation will focus on how to visualize and interpret AquaCrop results when running multiple simulations.
- AquaCrop results are txt files with extension OUT. Even with fairly simple experimental designs, such as multiple locations and multiple years of simulations, you can easily find yourself with more than 10 files. This can scale up to hundreds of files.
- We developed AquaCropPlotter, an app that can automatically load and process the results of AquaCrop.



- AquaCropPlotter can be found on [GitHub](#).
- AquaCropPlotter can be run locally after installing the app in R or it can be used online.
- In this tutorial we will use the online version.

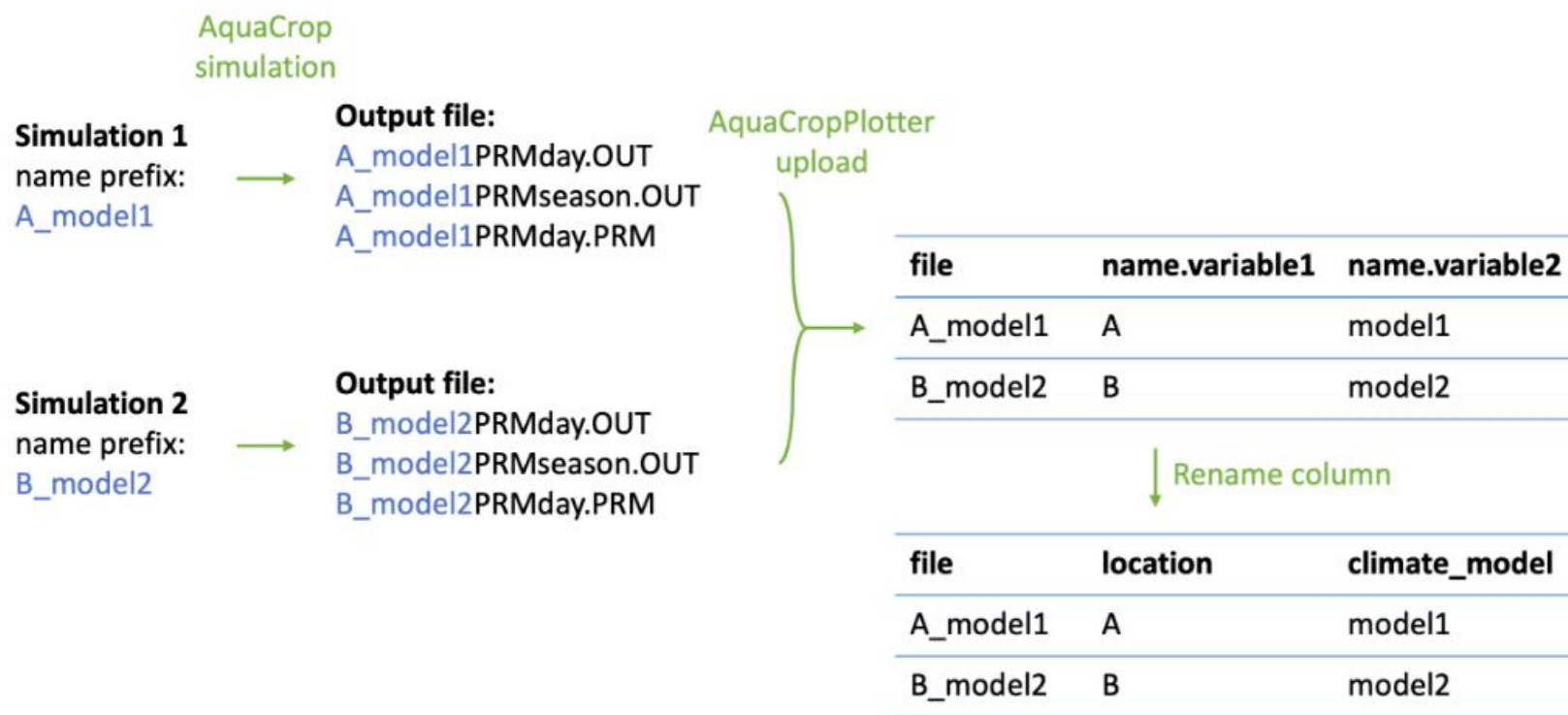


➤ The app works in four steps:

1. Load the data
2. Combine the data
3. Plot the data
4. Analyse the data

Important: Input requirements

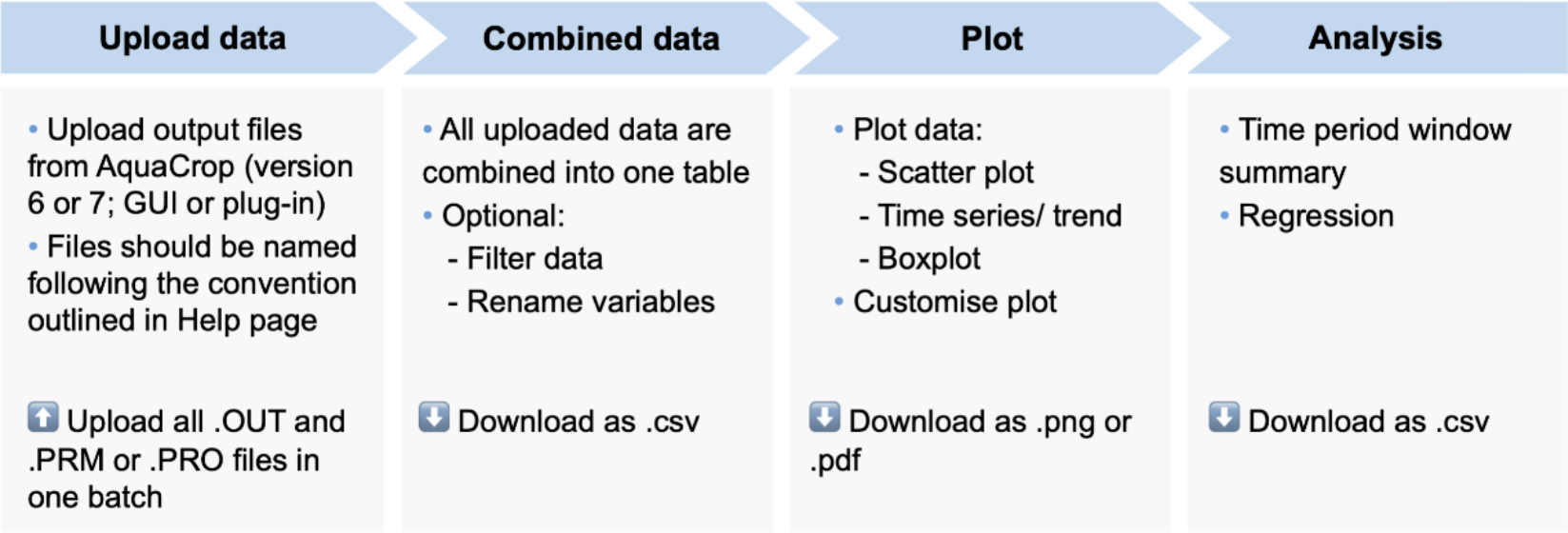
- When you run AquaCrop, you will have PRM and OUT files. Place them in the same folder before uploading the data in AquaCropPlotter.
- Correctly specify the file name (variables separated by underscore)





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Workflow





Load the data and next steps

- In this tutorial we will be working with AquaCrop simulations for wheat grown in 2 locations and under two different GHG emission scenarios.
- The data to be uploaded to the app is found [here](#) or in GitHub (Directory Crop_Module_5).
- The rest of the tutorial will be about using the app directly
- For additional documentation, [visit our page](#)

Thank you!

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