



Module 6 Hands-on exercise

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Context

Base exercise:

> You will try to understand whether it makes sense to anticipate the sowing date for maize grown in Cahul. You will provide your explanations on why you think this may be a good strategy, using AquaCropPlotter.

Bonus exercise:

- > You will now check whether the previous results are consistent across different climate models. Do you get similar results?
- ➤ What happens if you now include irrigation?

The full background information can be found here

Access the AquaCropPlotter here



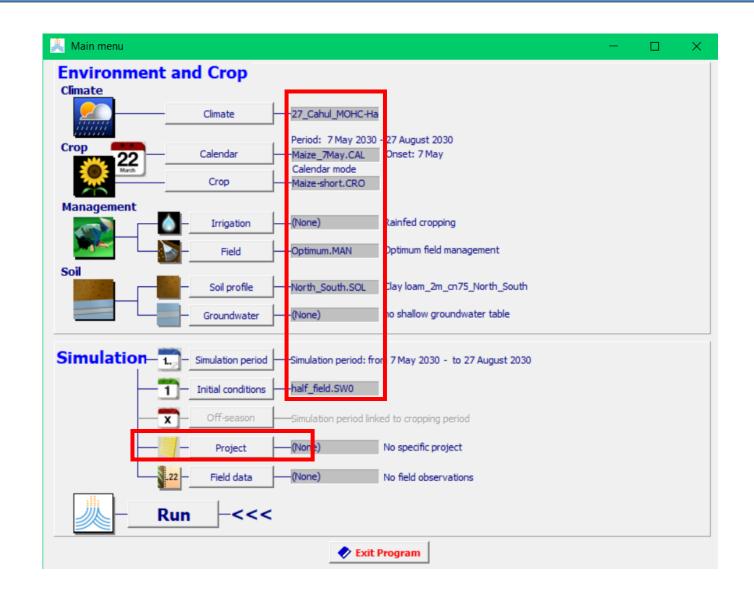
Steps-base exercise

- Download the base_proj_files folder from GitHub (if you have already downloaded the whole repo, simply navigate to material for training sessions/Crop_Module_6/Base_files
- Copy and paste all the information into the data folder of AquaCrop GUI
- Create your project file and name it as Maize_Cahul_7May_Optimum_26_MOHC (recap in the next slide)

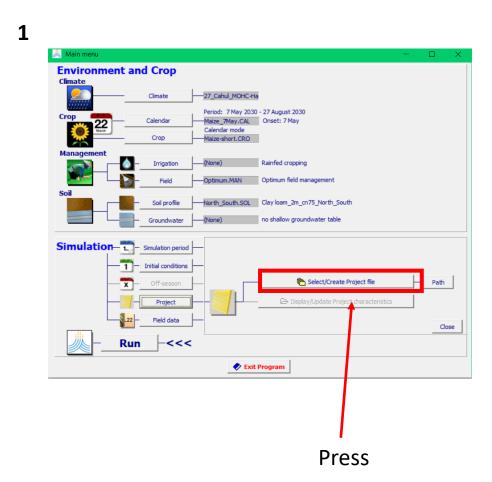
How to create the Project file Maize_Cahul_7May_Optimum_26_MOHC

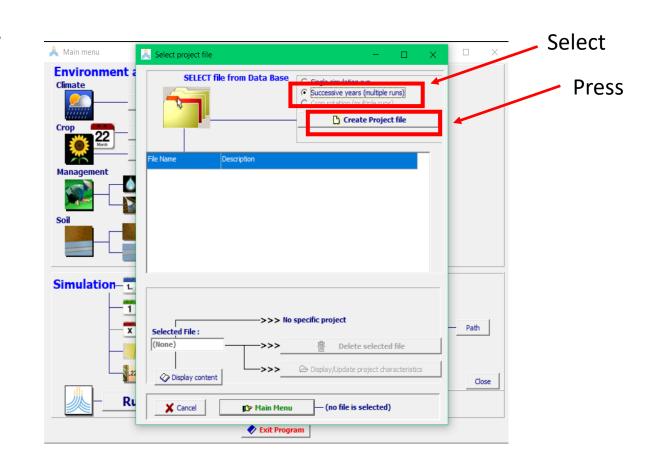
Make sure that all the required input parameters are selected

Press the "Project" button to create the project file



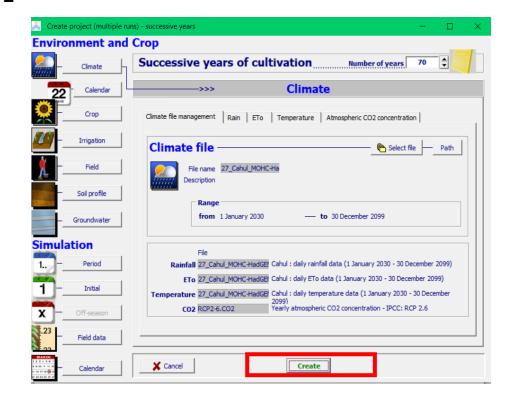
How to create the Project file Maize_Cahul_7May_Optimum_26_MOHC

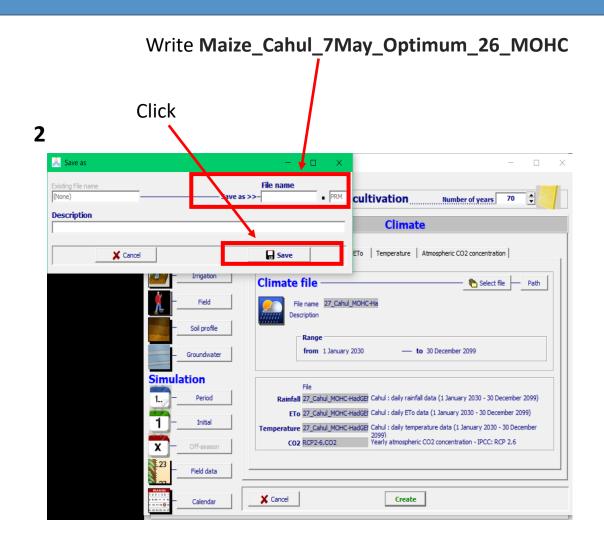




How to create the Project file Maize_Cahul_7May_Optimum_26_MOHC

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How to make a new Project File Maize_Cahul_15April_Optimum_26_MOHC

- Make a new project with a different sowing date (15th of April).
 - Open the newly created project file.
 - Press display
 - Environment, Crop and Simulations files
 - Update
 - Calendar
 - > Select 15th April
 - > Accept and save as Maize_Cahul_15April_Optimum_26_MOHC
- > Copy your PRM files (you can find them in the DATA folder) to the List folder in the AquaCrop plug-in
- Run the aquacrop.exe program
- > Copy and paste the PRM files and OUT files to a new folder and upload everything in AquaCropPlotter

Steps- bonus exercise

- > Think that you now need to create 4 project files (2 climate models, 2 sowing dates)
- > When you name your project files, consider that you now need to consider an additional climate model (example below)
- What happens now if you include irrigation?

Maize Cahul 15April Optimum 26 MOH

Maize_Cahul_7May_Optimum_26_MOH

Maize_Cahul_15April_Optimum_26_MPI

Maize_Cahul_7May_Optimum_26_MPI

Thank you!

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