



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



## **Module 6**

### **Hands-on exercise**

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December 15, 2022



## 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**
- Make a new project with a different sowing date (15<sup>th</sup> of April).
  - Open the newly created project file.
  - Press display
  - Environment, Crop and Simulations files
  - Update
  - Calendar
  - Select 15<sup>th</sup> 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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