



**AgroBioDiverse** @AgroBioDiverse

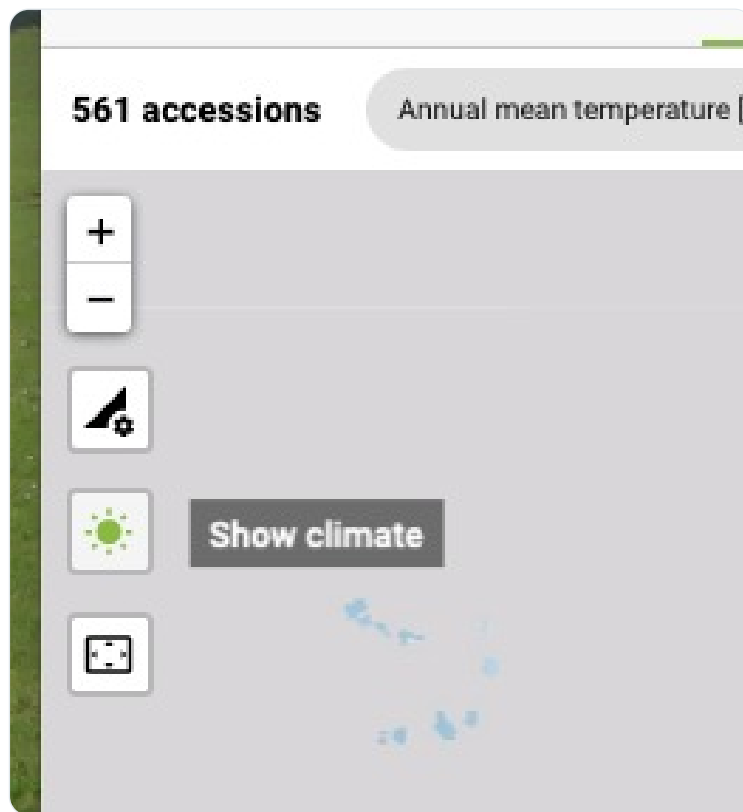
17 Jul 20 · 5 tweets · [AgroBioDiverse/status/1284026878593060866](#)



Thought I'd tweet about a cool feature of [@GenesysPGR](#), the online portal to [#genebank](#) accessions. 1/n

The use case I'll consider today is: I have an accession I like. Show me all other accessions which come from a similar climate. 2/n

Here's what you do. When you have selected the accession you like, go to Map, and look for this on the left. Click on Show Climate...



Then click on your accession on the map. You'll get a summary description of the climate at that point. If you click on List Accessions, you'll get a list of all other accessions from places which are roughly comparable in climate to that of the accession which you clicked. 4/n

**Bioclimatic variables**

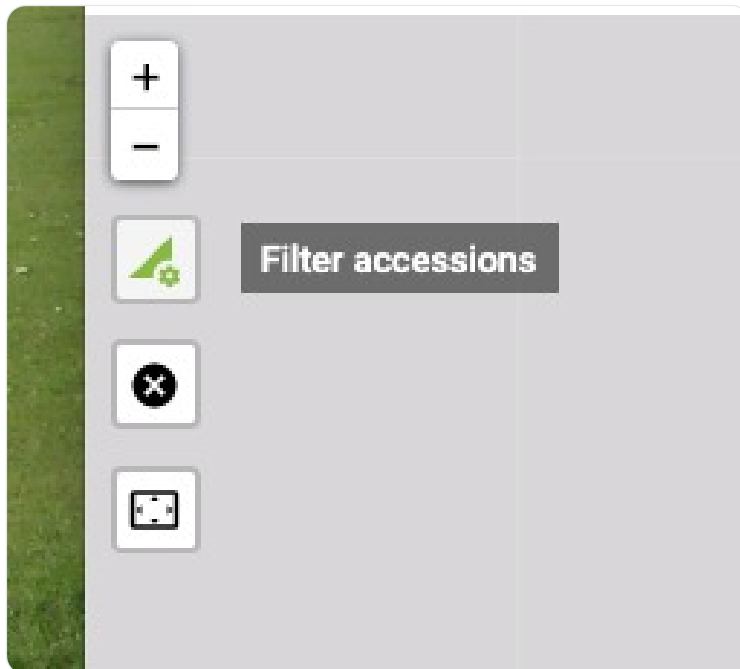
Annual mean temperature [°C]	29.8	Mean diurnal range (mean of monthly (max temp - min temp))	15.2	Isothermality (bio2/bio7) (* 100)	0.6
Temperature seasonality (standard deviation *100)	27.2	Max temperature of warmest month [°C]	41.7	Min temperature of coldest month [°C]	16.6
Temperature annual range (bio5-bio6) [°C]	25.1	Mean temperature of wettest quarter [°C]	29.6	Mean temperature of driest quarter [°C]	27.8
Mean temperature of warmest quarter [°C]	33.5	Mean temperature of coldest quarter [°C]	26.1	Annual precipitation [mm]	254
Precipitation of wettest month [mm]	119	Precipitation seasonality (coefficient of variation)	161	Precipitation of wettest quarter [mm]	222
Precipitation of warmest quarter [mm]	29				

**Accessions with similar climatic properties**

Georeferenced accessions in Genesys are linked to their climate data based on worldclim.org datasets. Genesys will try to find similar georeferenced accessions that match the basic climatic parameters: annual mean temperature, seasonality and rainfall.

[LIST ACCESSIONS](#)

Or, you can choose a bioclimatic variable, decide on some values, go to Filter Accessions on left of map, & insert your values in appropriate box, click Apply Filter, and there's a list of accessions again, this time from places with climates within your chosen limits. 5/5



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