In the folder *0\_Production*, we list the regions in GRACE and the weights (production by crop) we used for aggregation the yields at the GRACE regional level.

In the folder *1\_Zonal\_yield*, the changes in crop yields due to land productivity affected by climate change are provided for all the 24 scenarios shown in Table 3.

In the folder *2\_Zonal\_pr*, the changes in precipitation by climate model are provided for all the 24 scenarios shown in Table 3.

In the folder *2\_Zonal\_tavg*, the changes in average temperature by climate model are provided for all the 24 scenarios shown in Table 3.

*Data4Figures.xlsx* provides the data behind all figures.

Results.xlsx provides the data of simulation results for all scenarios.