1. Find a precipitation dataset and correlate with the data about the harvest of different plants

* extract information for each latitude and longitude, lookup weather data from that

1. As in the slides, correlate precipitation and mean annual temperature

1. In the future, which plant will be planeted or should be planted where to achieve a good harvest and overall probable optimal conditions. Create a worldmap from that? Include population?

CMIP6: <https://pcmdi.llnl.gov/CMIP6/Guide/dataUsers.html>

CMIP6 explanation: <https://www.carbonbrief.org/cmip6-the-next-generation-of-climate-models-explained>

EAsM Dataset: <https://rda.ucar.edu/datasets/ds316.0/>

NetCDF explanatory: <https://unidata.github.io/netcdf4-python/netCDF4/index.html#section4>

## 

# GDHY dataset

* from 81 till 2016
* spatial resolution of .5 degree ->
* maize, rice, wheat and soybean