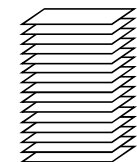
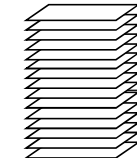


Raw image collections

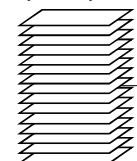
Sentinel-2



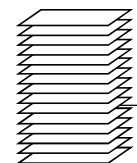
MODIS Evapotranspiration (ET)



CHIRPS daily
precipitation



NASA-USDA
Soil Moisture



Aggregations (max, mean, sum)

compute SAVI

filter per season
(2016-2020)

Seasonal SAVI max.

2016
2017
⋮
2020



5 images à 1 band

filter per season
(2016-2020)

Seasonal mean and sum

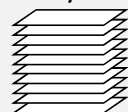
2016
2017
⋮
2020



5 images à 2 bands

filter per month

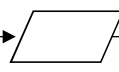
Monthly sum



20 images à 1 band

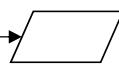
**Reduce image collections
to image by converting the
images to bands**

Seasonal SAVI max.



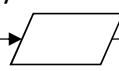
5 bands

Seasonal ET



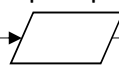
10 bands

Monthly ET



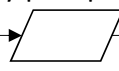
20 bands

Seasonal precipitation



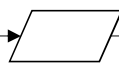
10 bands

Monthly precipitation



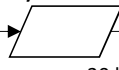
20 bands

Seasonal soil moisture



10 bands

Monthly soil moisture



20 bands

**Combine all
images into one
image**



65 bands

**Aggregate all band
values using the
spatial mean for each
polygon/"village"**

Table

65 columns