//https://developers.google.com/earth-engine/datasets/catalog/COPERNICUS\_S2\_SR#bands

var grid = ee.FeatureCollection("projects/ee-alinakraemer/assets/gridwgs84");

var list= grid.toList(101);

// function for masking of low quality pixels according to the SCL band

function maskS2clouds(image) {

var scl = image.select('SCL');

var wantedPixels = scl.gt(3).and(scl.lt(7)).or(scl.eq(1)).or(scl.eq(2));

return image.updateMask(wantedPixels);

}

// Map the function over the time period of data and take the median.

for (var i = 1; i < 101; i++){

var aoi = ee.Feature(list.get(i)).geometry();

var aoi\_id = ee.Feature(list.get(i)).get('id');

var collection = ee.ImageCollection('COPERNICUS/S2\_SR')

.filterBounds(aoi)

.filterDate('2018-05-01', '2018-09-30')

.map(maskS2clouds)

.select('B2', 'B3', 'B4', 'B8');

var composite = collection.median();

Export.image.toDrive({

image: composite,

description: 'sentinel',

scale: 10,

region: aoi

});

}