```
// 1. Load Elwak boundary
var elwak = ee.FeatureCollection("projects/eminent-torch-461911-n9/assets/Elwak");

// 2. Define date range
var startDate = '2023-01-01';
var endDate   = '2023-06-30';

// 3. Load Sentinel-2 SR imagery
var s2 = ee.ImageCollection('COPERNICUS/S2_SR_HARMONIZED')
  .filterDate(startDate, endDate)
  .filterBounds(elwak)
  .filter(ee.Filter.lt('CLOUDY_PIXEL_PERCENTAGE', 40))
  .select(['B2', 'B3', 'B4', 'B8']);  // Blue, Green, Red, NIR

// 4. Simple cloud masking using brightness and NDVI
function simpleCloudMask(image) {
  var blue = image.select('B2');
  var ndvi = image.normalizedDifference(['B8', 'B4']);
  var mask = blue.lt(1500).and(ndvi.gt(0));
  return image.updateMask(mask).copyProperties(image, ["system:time_start"]);
}
var s2Masked = s2.map(simpleCloudMask);

// 5. Median composite and clip to Elwak
var composite = s2Masked.median().clip(elwak);

// 6. Visualization parameters (for GEE display only)
var visParams = {
  bands: ['B4', 'B3', 'B2'],  // Red, Green, Blue
  min: 0,
  max: 3000,
  gamma: 1.2
};

// 7. Add composite to map for viewing
Map.centerObject(elwak, 10);
Map.addLayer(composite, visParams, 'Sentinel-2 RGB (Jan–Jun 2023)');
Map.addLayer(elwak, {color: 'yellow'}, 'Elwak Boundary');

// 8. Export RAW reflectance image (not visualized — you'll style in QGIS/ArcGIS)
Export.image.toDrive({
  image: composite.select(['B4', 'B3', 'B2']),  // Red, Green, Blue
  description: 'Elwak_S2_RGB_Reflectance_JanToJun2023',
  folder: 'GEE_Exports',
```

```
  fileNamePrefix: 'Elwak_S2_RGB_Reflectance_JanJun2023',
  region: elwak.geometry(),
  scale: 10,
  maxPixels: 1e13
});
```