

```
// 1. Define Region of Interest (you can move the map and use Tools → Geometry Drawing)
```

```
var roi = ee.Geometry.Rectangle([113.5, -2.9, 114.3, -2.3]); // Central Kalimantan
```

```
// 2. Load Sentinel-2 image collections for 2018 and 2024
```

```
var s2_2018 = ee.ImageCollection("COPERNICUS/S2_SR")
```

```
.filterDate('2018-01-01', '2018-12-31')
```

```
.filterBounds(roi)
```

```
.filter(ee.Filter.lt('CLOUDY_PIXEL_PERCENTAGE', 30));
```

```
var s2_2024 = ee.ImageCollection("COPERNICUS/S2_SR")
```

```
.filterDate('2024-01-01', '2024-12-31')
```

```
.filterBounds(roi)
```

```
.filter(ee.Filter.lt('CLOUDY_PIXEL_PERCENTAGE', 20));
```

```
// 3. Print the number of available images
```

```
print("Available images in 2018:", s2_2018.size());
```

```
print("Available images in 2024:", s2_2024.size());
```

```
// 4. Create median composites
```

```
var img2018 = s2_2018.median().clip(roi);
```

```
var img2024 = s2_2024.median().clip(roi);
```

```
// 5. Calculate NDVI = (B8 - B4) / (B8 + B4)
```

```
var ndvi_2018 = img2018.normalizedDifference(['B8', 'B4']).rename('NDVI_2018');
```

```
var ndvi_2024 = img2024.normalizedDifference(['B8', 'B4']).rename('NDVI_2024');
```

```
// 6. Display results on the map
```

```
Map.centerObject(roi, 10);
```

```
Map.addLayer(ndvi_2018, {min: 0, max: 1, palette: ['brown', 'yellow', 'green']}, 'NDVI  
2018');
```

```
Map.addLayer(ndvi_2024, {min: 0, max: 1, palette: ['brown', 'yellow', 'green']}, 'NDVI  
2024');
```

```
// 7. Export NDVI layers to Google Drive
```

```
Export.image.toDrive({  
  image: ndvi_2018,  
  description: 'NDVI_2018_Borneo',  
  scale: 10,  
  region: roi,  
  maxPixels: 1e13  
});
```

```
Export.image.toDrive({  
  image: ndvi_2024,  
  description: 'NDVI_2024_Borneo',  
  scale: 10,  
  region: roi,  
  maxPixels: 1e13  
});
```

```
// 8. Calculate NDVI difference (2024 - 2018)
```

```
var ndvi_diff = ndvi_2024.subtract(ndvi_2018).rename('NDVI_Difference');
```

```
// 9. Visualize NDVI difference
```

```
Map.addLayer(ndvi_diff, {min: -0.5, max: 0.5, palette: ['red', 'white', 'green']}, 'NDVI  
Difference (2024 - 2018)');
```

```
// 10. Export NDVI difference to Google Drive
```

```
Export.image.toDrive({  
  image: ndvi_diff,  
  description: 'NDVI_Difference_2024_2018_Borneo',  
  scale: 10,  
  region: roi,  
  folder: 'Borneo',  
  maxPixels: 1e10  
});
```