1/2

```
Processing 1/1: TL.tif
Warning 1: The definition of geographic CRS EPSG:4277 got from GeoTIFF keys is not the same as the one from the EPSG registry, which may cause issues during repro
INSERT 0 1
COMMIT
DESCRIPTION
BEGIN
 Varing 1: The definition of geographic CRS EPSG:4277 got from GeoTIFF keys is not the same as the one from the EPSG registry, which may cause issues during repro
 TIMMO
 rocessing 1/1: TQ.tif
Natraing 17: No. 11

Warning 1: The definition of geographic CRS EPSG:4277 got from GeoTIFF keys is not the same as the one from the EPSG registry, which may cause issues during reproduced to the same as the one from the EPSG registry, which may cause issues during reproduced to the same as the one from the EPSG registry, which may cause issues during reproduced to the same as the one from the EPSG registry, which may cause issues during reproduced to the same as the one from the EPSG registry, which may cause issues during reproduced to the same as the one from the EPSG registry, which may cause issues during reproduced to the same as the one from the EPSG registry, which may cause issues during reproduced to the same as the one from the EPSG registry.
 TIMMO
 orocessing 1/1: TR.tif
Warning 1: The definition of geographic CRS EPSG:4277 got from GeoTIFF keys is not the same as the one from the EPSG registry, which may cause issues during repro
COMMIT
BEGIN
DECOLA
Warning 1: The definition of geographic CRS EPSG:4277 got from GeoTIFF keys is not the same as the one from the EPSG registry, which may cause issues during repro
INSERT 0 1
COMMIT
BEGIN
INSERT 0 1
 OMMIT
(base) ls | xargs -I {} raster2pgsql -a {} public.uk_250k | psql -h localhost -p 15432 -U postgres lab9
```

3. Nie mozliwe jest storzenie pojedynczej mozaiki, jako ze wynikowa wartosc jest wieksza niz 1GB, wiec postgres nie jest w stanie przechowac jej w pamieci.

4/5

```
1: PostgreSQL driver failed to create PG:host=localhost user=root password=XXXX dbname=lab9 port=15432
ogr2ogr -f PostgreSQL PG:"host=localhost user=postgres password=postgres dbname=lab9 port=15432" <u>Downloads/OS_Open_Zoomstack.gpkg</u>
```

6.

```
create table uk_lake_disctrict as
select st_union(st_clip( rast: u.rast, geom: n.geom))
         inner join national_parks n on st_intersects( geog1: n.geom, geog2: u.rast)
```

7.

```
SET postgis.gdal_enabled_drivers = 'ENABLE_ALL';

CCREATE TABLE tmp_out AS

SELECT lo_from_bytea(0,

ST_AsGDALRaster( rast ST_Union(u.st_union), format 'GTiff', options: ARRAY ['COMPRESS=DEFLATE',

'PREDICTOR=2', 'PZLEVEL=9'])

) AS loid

FROM uk_lake_disctrict u;

SELECT lo_export(loid, '/tmp/out.tiff')

FROM tmp_out;

OFROM tmp_out;

drop table tmp_out;
```

8

- \$\overline{\text{Intermediate}}\$
 \$\overline{\text{S2A_MSIL1C_20221128T113421_N0400_R080_T30UWF_20221128T132929.zip}}\$

 \$\overline{\text{S2A_MSIL1C_20221125T112411_N0400_R037_T30UVF_20221125T132446.zip}}\$
- 9.

```
) ls | xargs -I {} raster2pgsql -e {} public.sentinel_2 -t 8192x8192 | psql -h localhost -p 15432 -U postgres lab9
```

10.

11.

```
-- 11

CCREATE TABLE tmp_out AS

SELECT lo_from_bytea(0,

ST_AsGDALRaster( rast ST_Union(u.rast), format 'GTiff', options: ARRAY ['COMPRESS=DEFLATE',

'PREDICTOR=2', 'PZLEVEL=9'])

) AS loid

FROM uk_lake_district_NDWI u;

SELECT lo_export(loid, '/tmp/out2.tiff')

FROM tmp_out;

CSELECT lo_unlink(loid)

FROM tmp_out;

drop table tmp_out;
```

Niestety eksport pliku nie działa ze wzgledow tych samych co wczesniej - wynikowa wartosc przekraczalaby 1GB