

Supplementary File 1

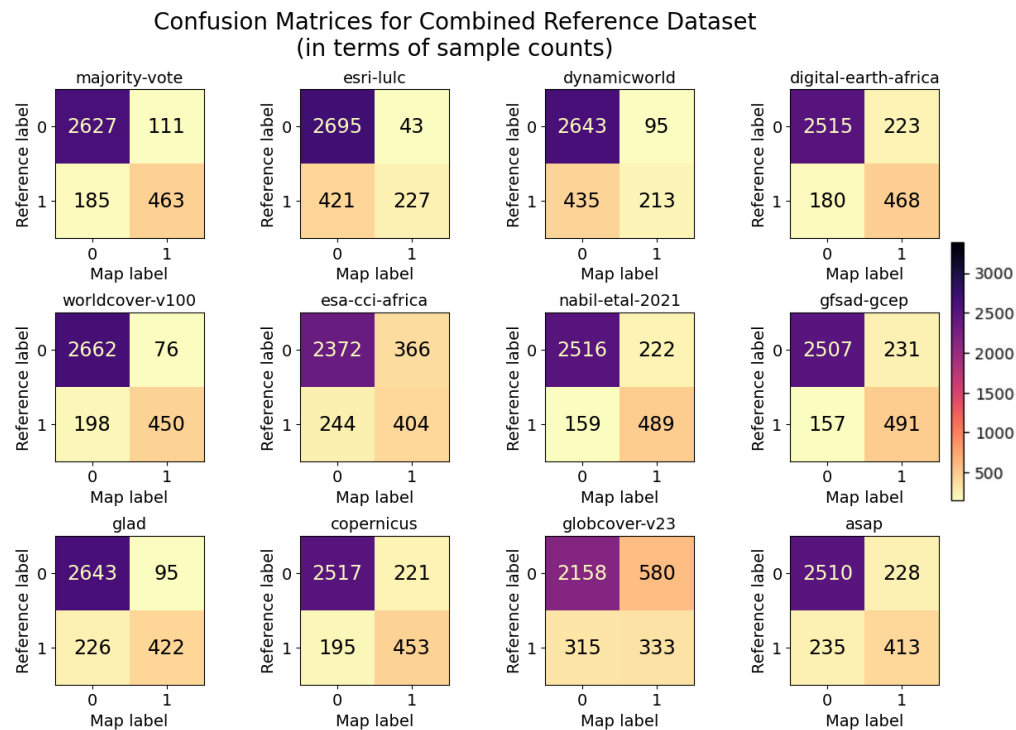


Figure 1. Unnormalized confusion matrix, expressed in terms of sample counts, for each map for the combined reference datasets.

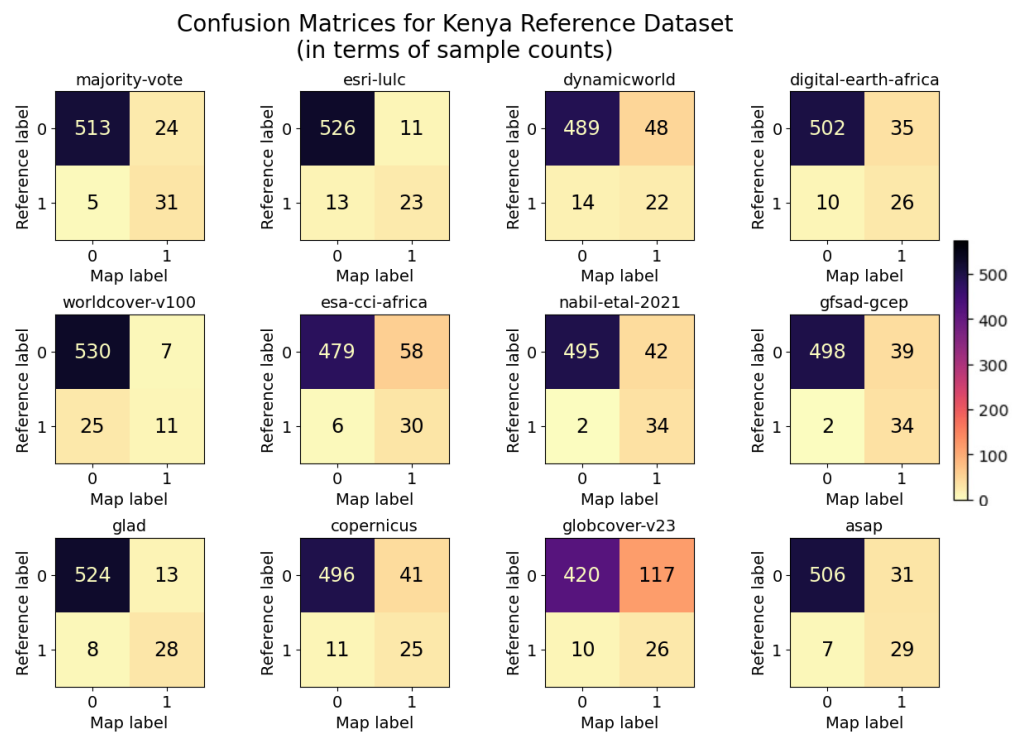


Figure 2. Unnormalized confusion matrix, expressed in terms of sample counts, for the Kenya reference dataset.

Figure 10 displays 12 confusion matrices for different datasets, arranged in a 3x4 grid. Each matrix shows the relationship between the Reference label (0, 1) and the Map label (0, 1). The color bar on the right indicates the count of instances, ranging from 0 to 200.

Dataset	Ref \ Map	0	1
majority-vote	0	183	24
majority-vote	1	9	17
esri-lulc	0	192	15
esri-lulc	1	16	10
dynamicworld	0	200	7
dynamicworld	1	20	6
digital-earth-africa	0	157	50
digital-earth-africa	1	6	20
worldcover-v100	0	204	3
worldcover-v100	1	16	10
esa-cci-africa	0	160	47
esa-cci-africa	1	8	18
nabil-et-al-2021	0	177	30
nabil-et-al-2021	1	10	16
gfsad-gcep	0	176	31
gfsad-gcep	1	9	17
glad	0	187	20
glad	1	9	17
copernicus	0	165	42
copernicus	1	9	17
globcover-v23	0	121	86
globcover-v23	1	6	20
asap	0	148	59
asap	1	6	20

3/17

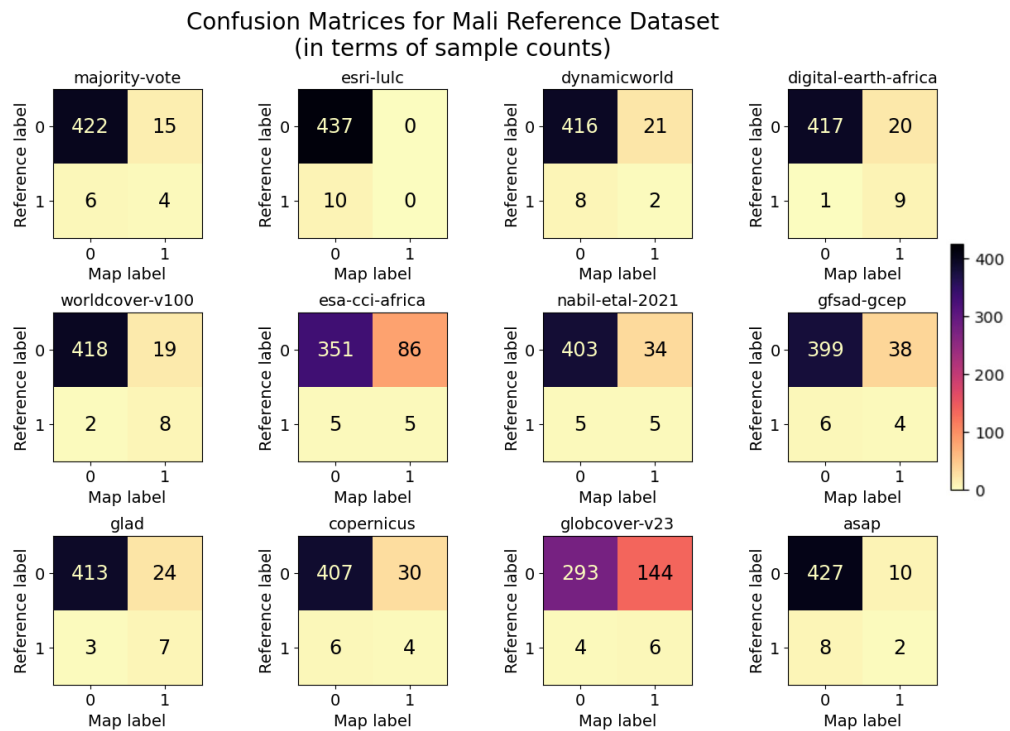


Figure 4. Unnormalized confusion matrix, expressed in terms of sample counts, for the Mali reference dataset.

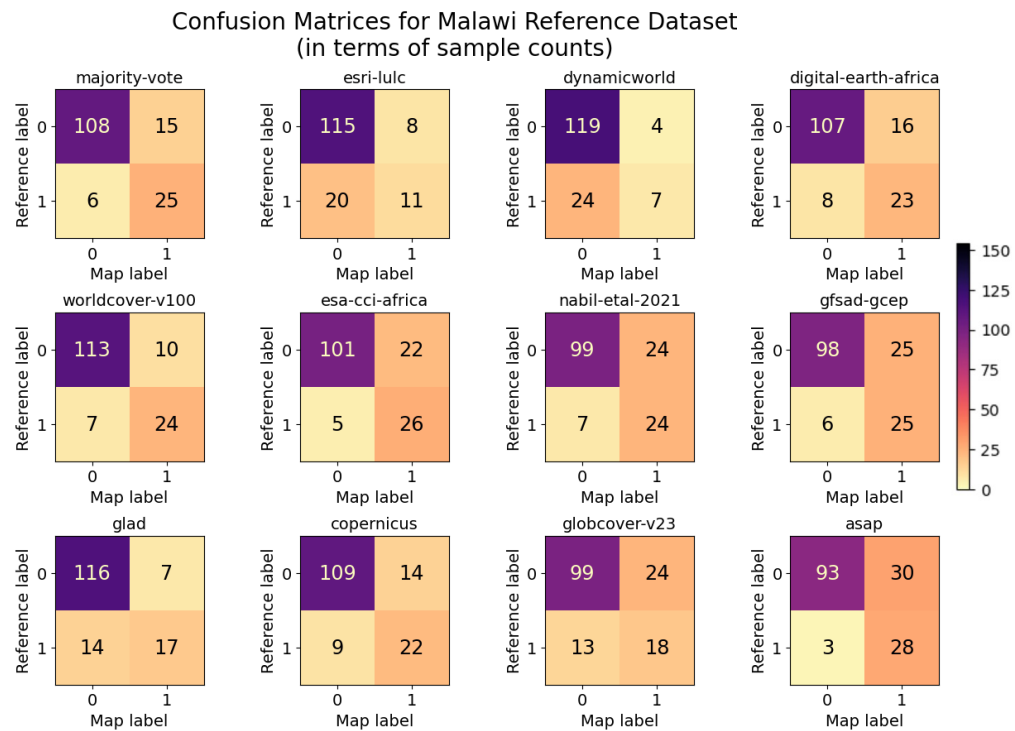


Figure 5. Unnormalized confusion matrix, expressed in terms of sample counts, for the Malawi reference dataset.

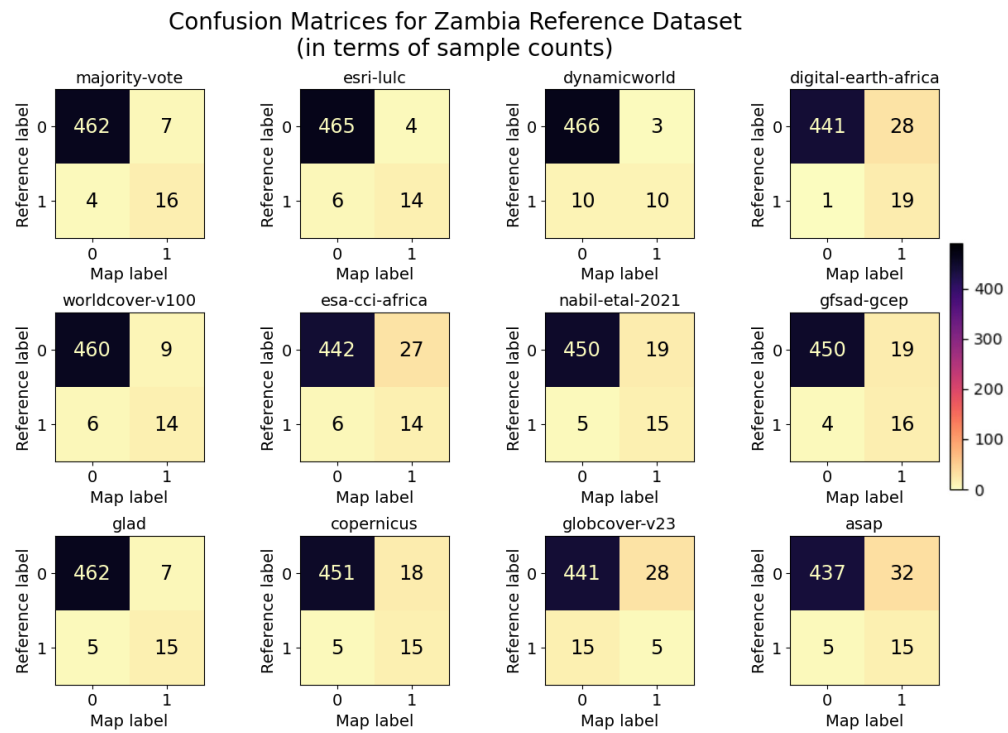


Figure 6. Unnormalized confusion matrix, expressed in terms of sample counts, for the Zambia reference dataset.

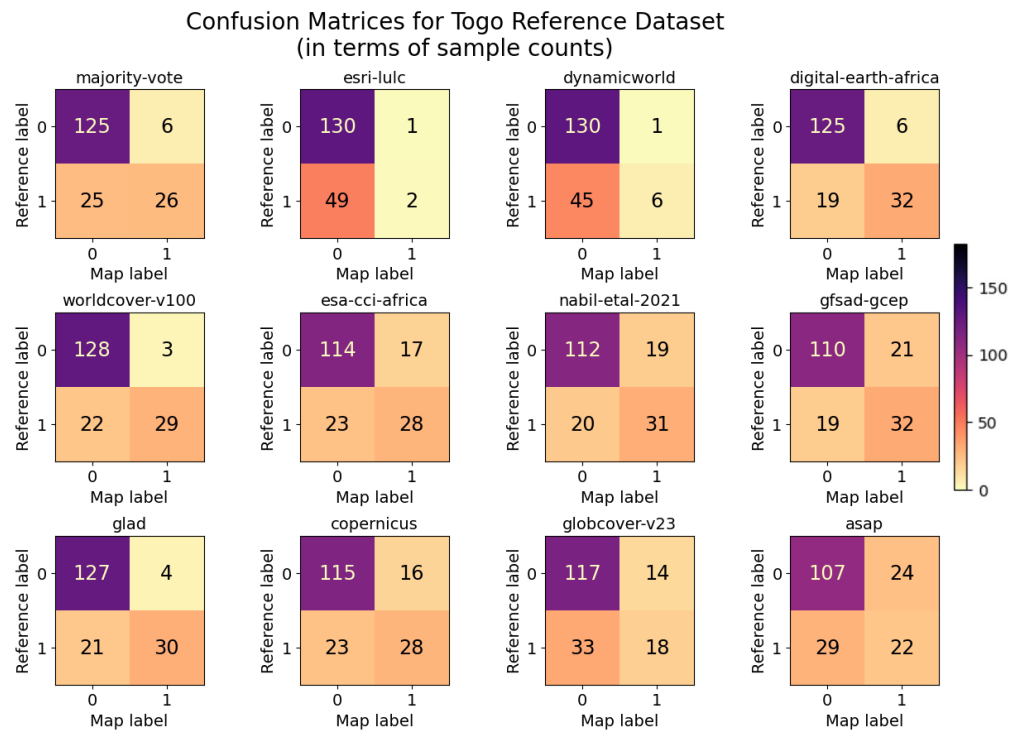


Figure 7. Unnormalized confusion matrix, expressed in terms of sample counts, for the Togo reference dataset.

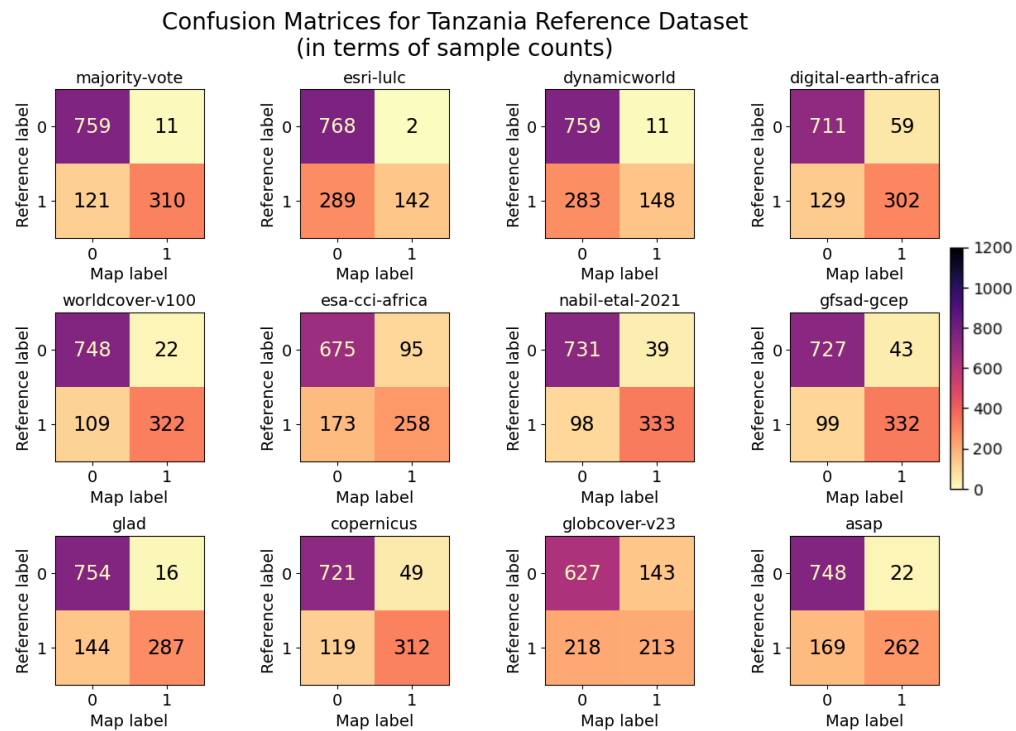


Figure 8. Unnormalized confusion matrix, expressed in terms of sample counts, for the Tanzania reference dataset.

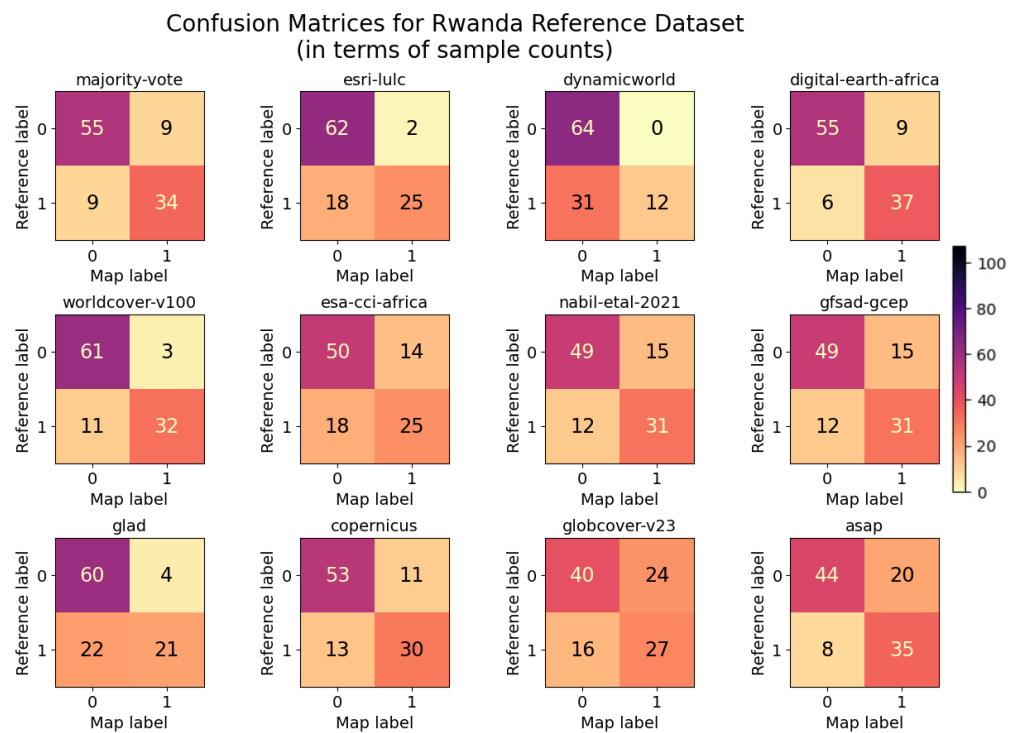


Figure 9. Unnormalized confusion matrix, expressed in terms of sample counts, for the Rwanda reference dataset.

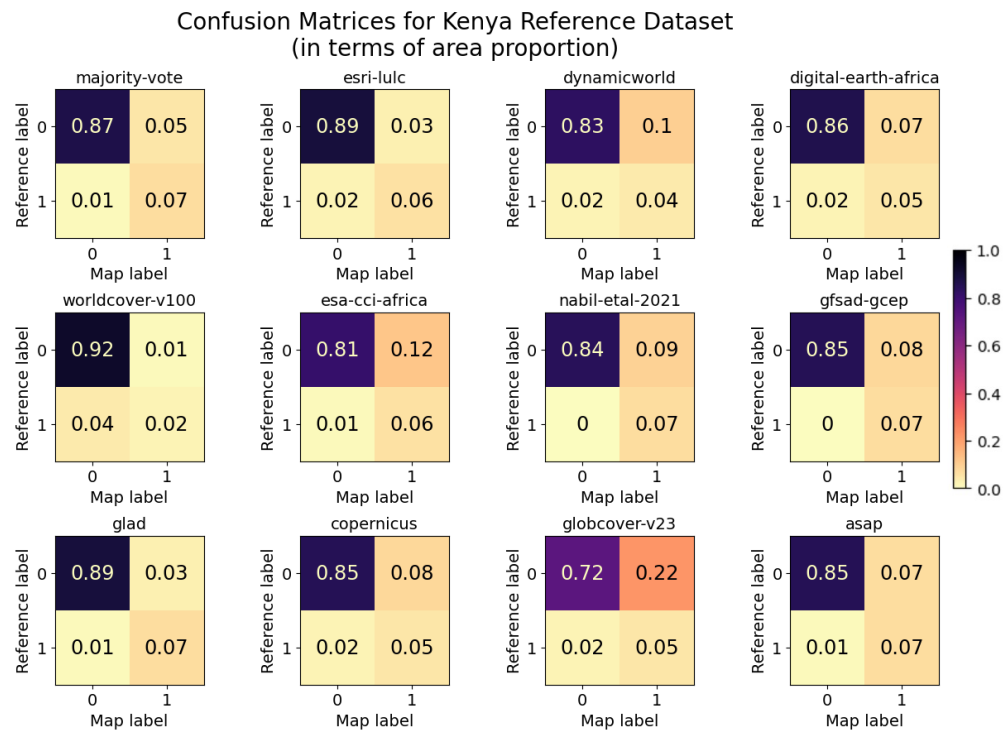


Figure 10. Population confusion matrix, expressed in terms of map area proportion, for the Kenya reference dataset.

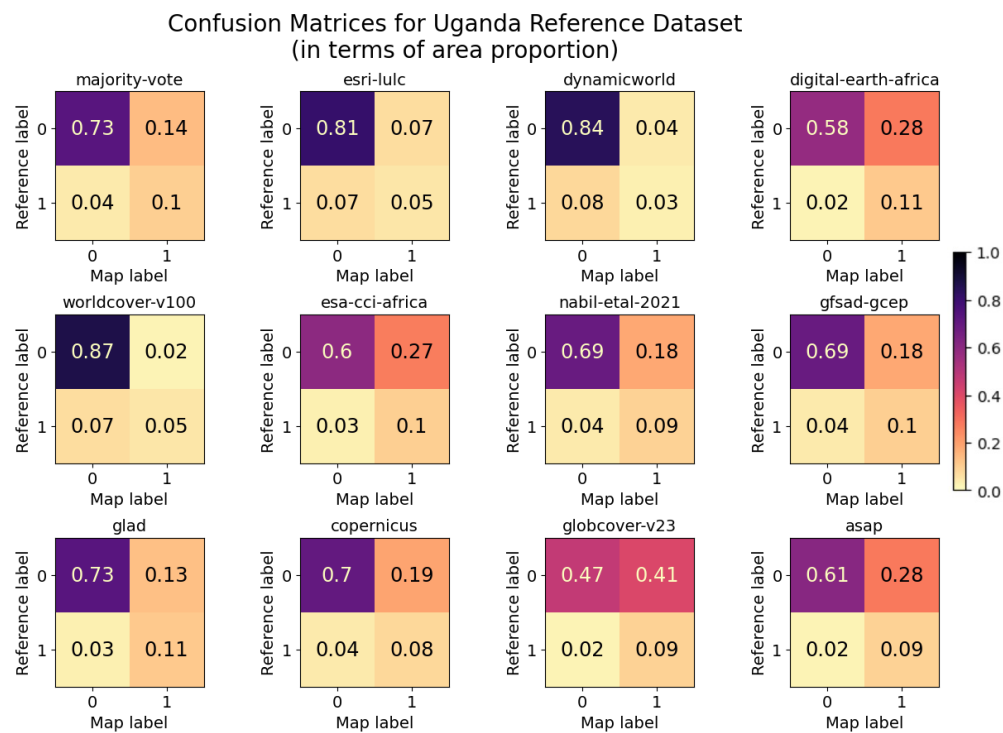


Figure 11. Population confusion matrix, expressed in terms of map area proportion, for the Uganda reference dataset.

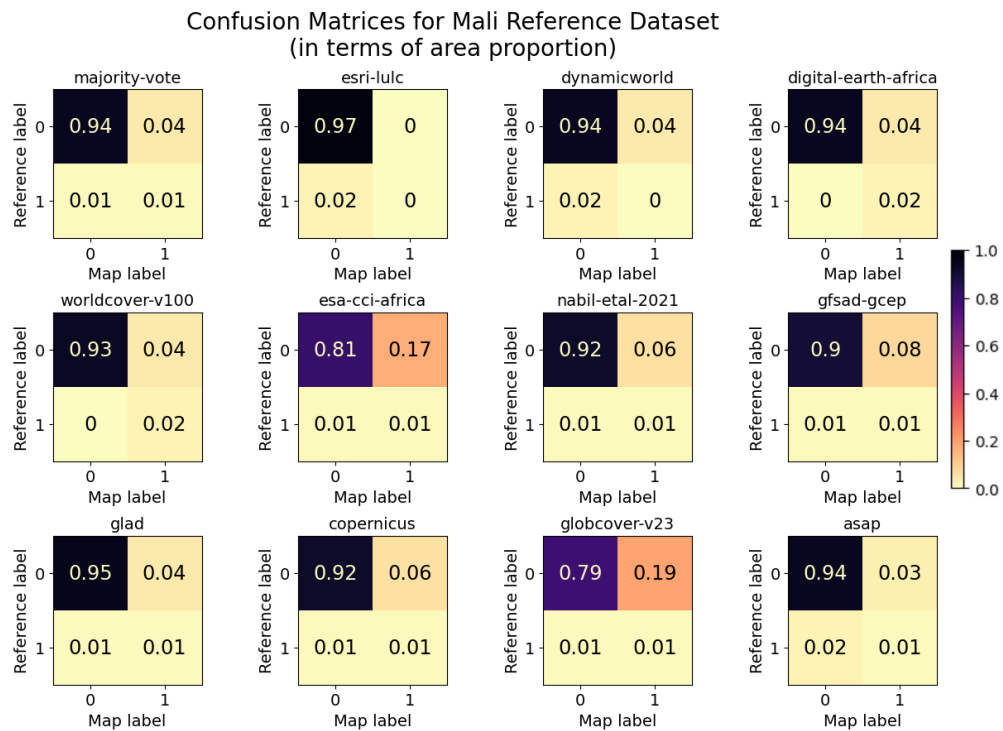


Figure 12. Population confusion matrix, expressed in terms of map area proportion, for the Mali reference dataset.

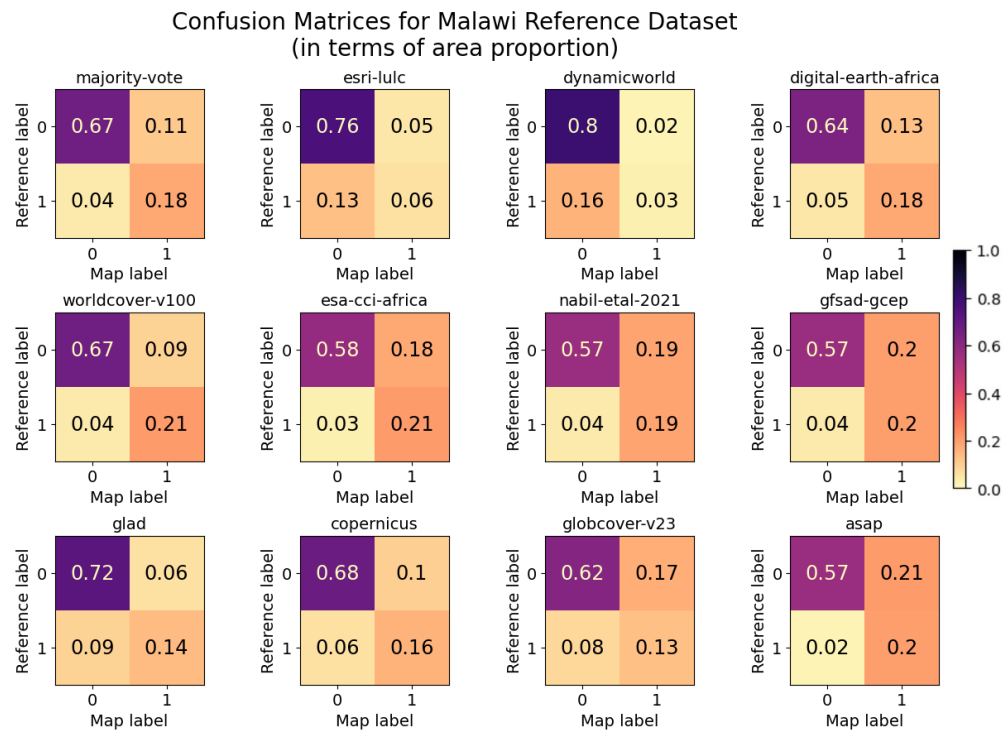


Figure 13. Population confusion matrix, expressed in terms of map area proportion, for the Malawi reference dataset.

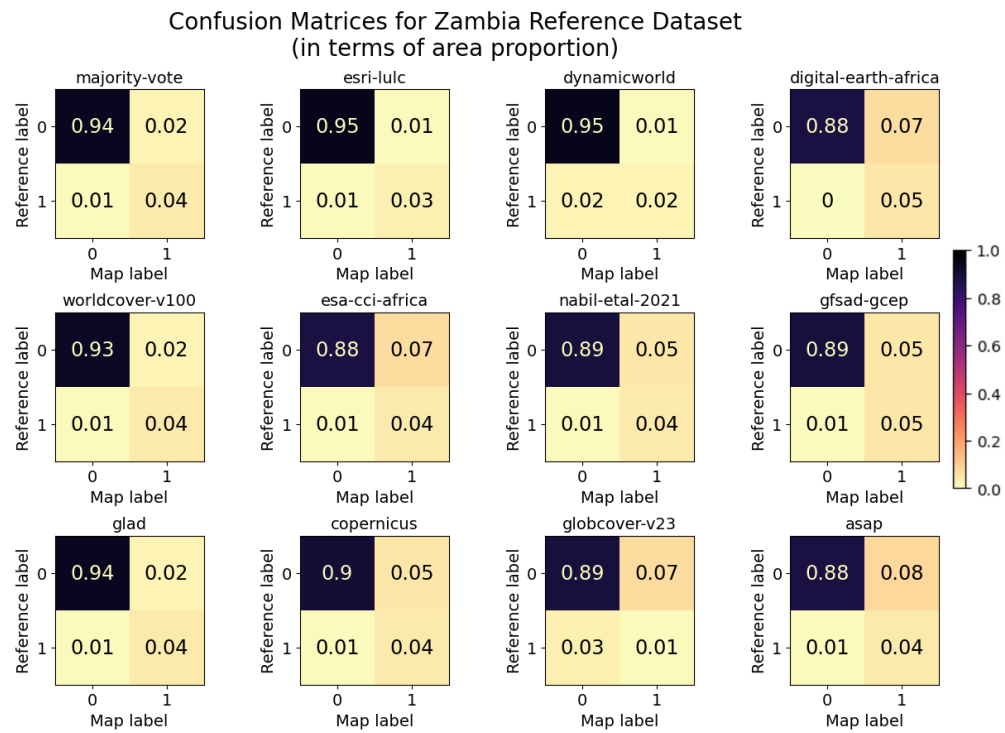


Figure 14. Population confusion matrix, expressed in terms of map area proportion, for the Zambia reference dataset.

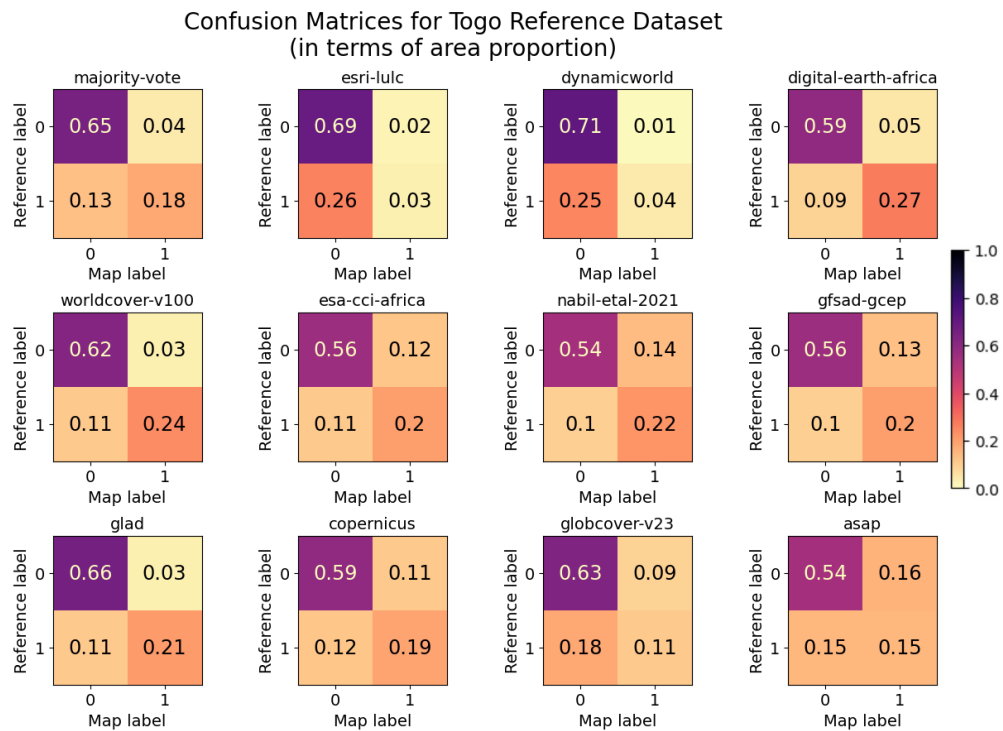


Figure 15. Population confusion matrix, expressed in terms of map area proportion, for the Togo reference dataset.

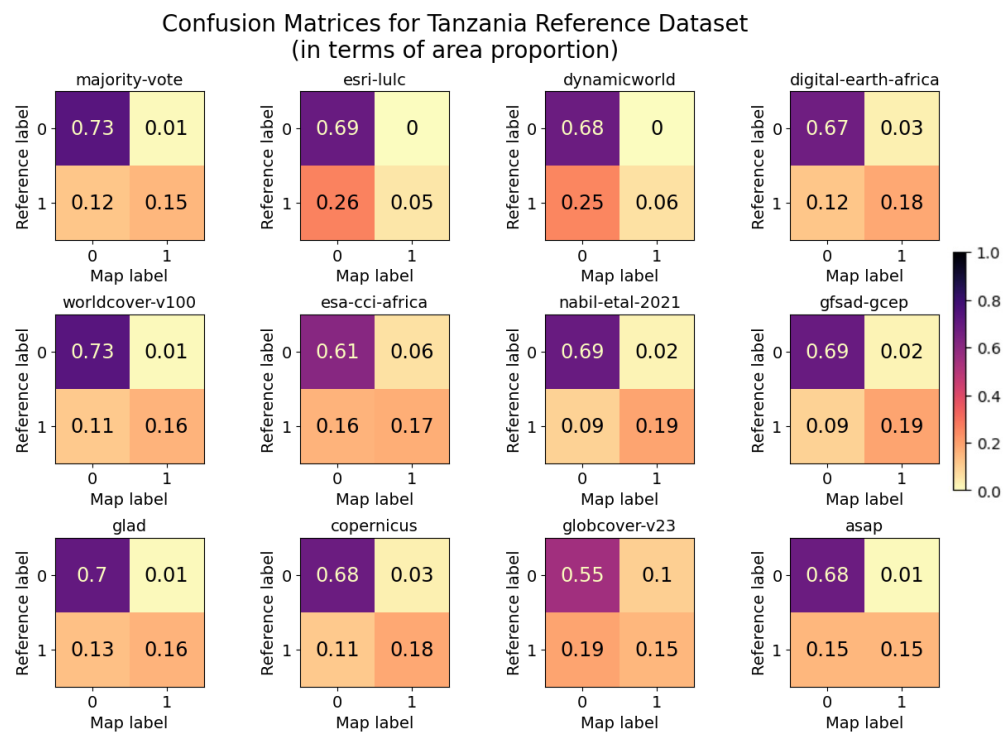


Figure 16. Population confusion matrix, expressed in terms of map area proportion, for the Tanzania reference dataset.

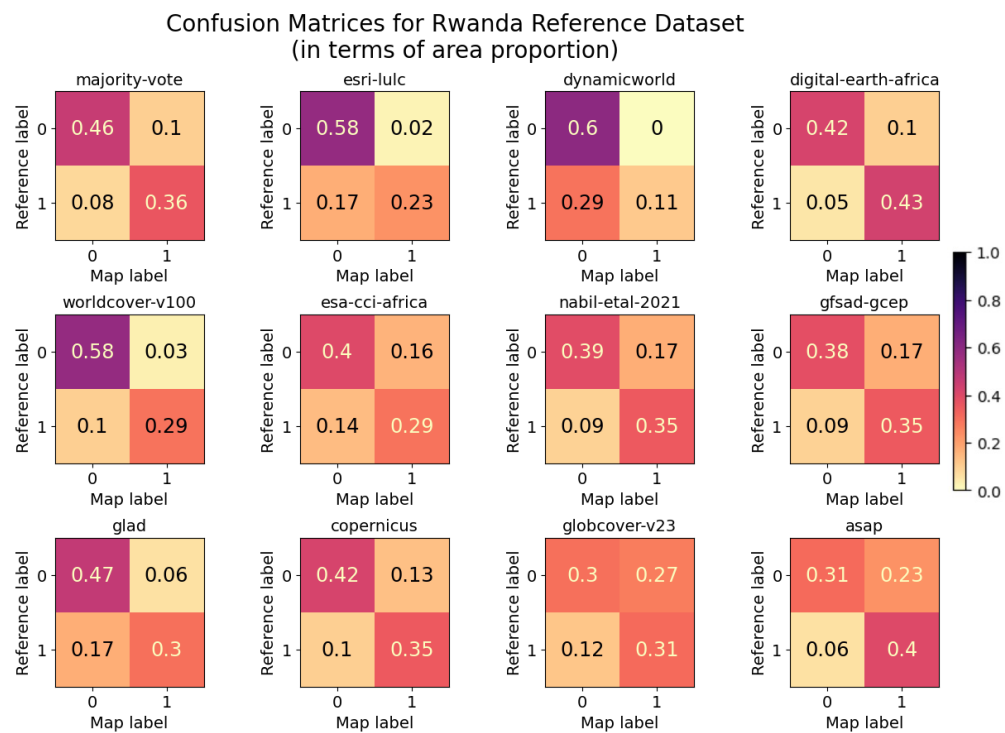


Figure 17. Population confusion matrix, expressed in terms of map area proportion, for the Rwanda reference dataset.