

Precipitation-sensitive dynamic threshold: a new and simple method to detect and monitor forest and woody vegetation cover in humid to arid areas

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Supplementary Materials

S1. Validation analyses using three delineation approaches.

Table S1. Validation results of woody and non-woody delineation using a constant threshold of NDVI=0.2.

Table S2. Validation results of woody and non-woody delineation using the Hanssen tree cover database.

Table S3. Validation results of woody and non-woody delineation using a precipitation-sensitive dynamics threshold.

Table S1. Validation results of woody and non-woody delineation using a constant threshold of NDVI=0.2.

Cohen's Kappa: 0.63

Accuracy: 0.82

Vegetation type	Precision	Recall	F1-score	Support
Not woody	0.99	0.75	0.86	4032
Woody	0.63	0.98	0.77	1717

Table S2. Validation results of woody and non-woody delineation using the Hanssen tree cover database.

Cohen's Kappa: 0.62

Accuracy: 0.86

Vegetation type	Precision	Recall	F1-score	Support
Not woody	0.84	0.99	0.86	4032
Woody	0.95	0.56	0.77	1717

Table S3. Validation results of woody and non-woody delineation using a precipitation-sensitive dynamics threshold.

Cohen's Kappa: 0.80

Accuracy: 0.91

Vegetation type	Precision	Recall	F1-score	Support
Not woody	0.96	0.991	0.94	4032
Woody	0.81	0.92	0.86	1717