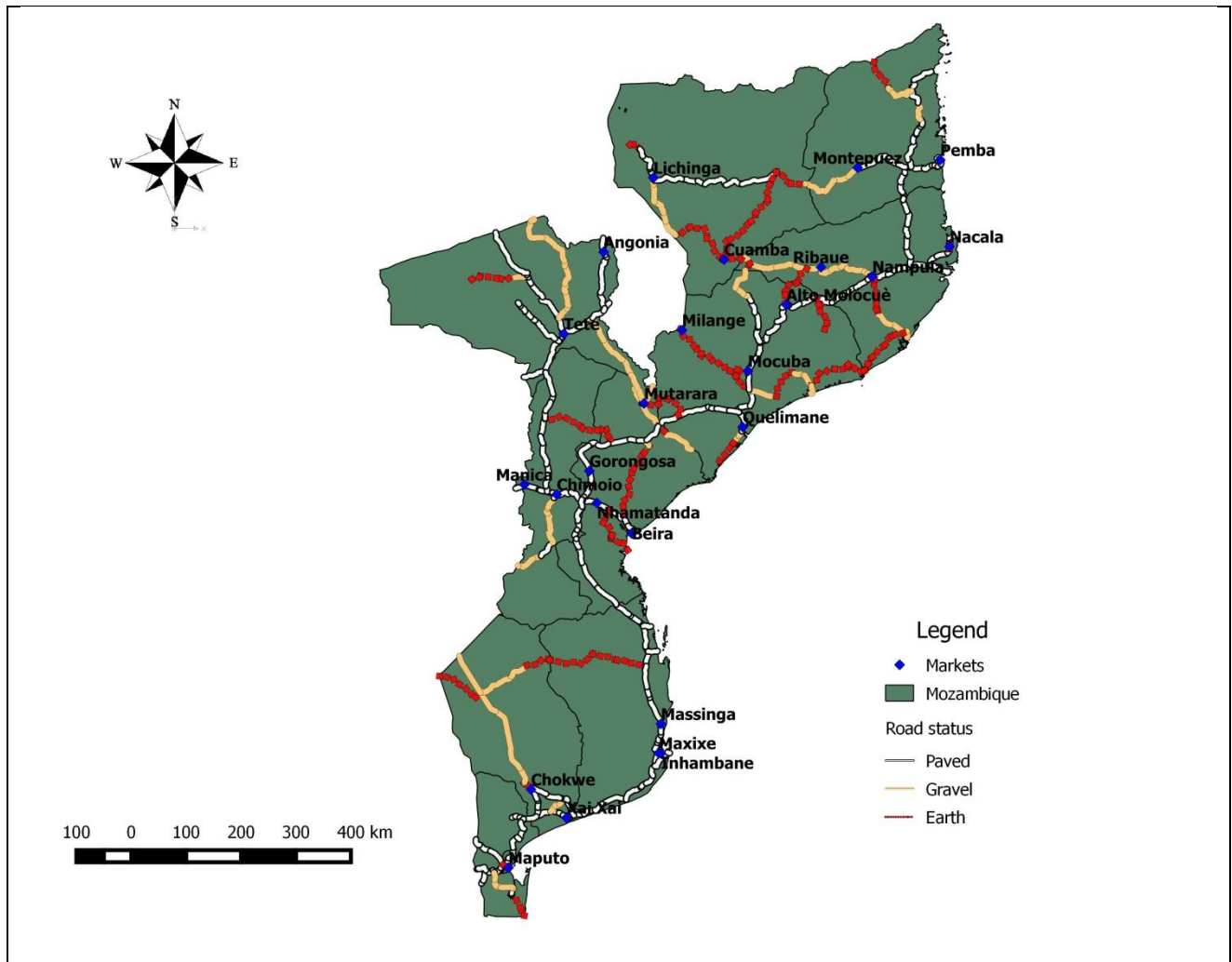


Figure S1

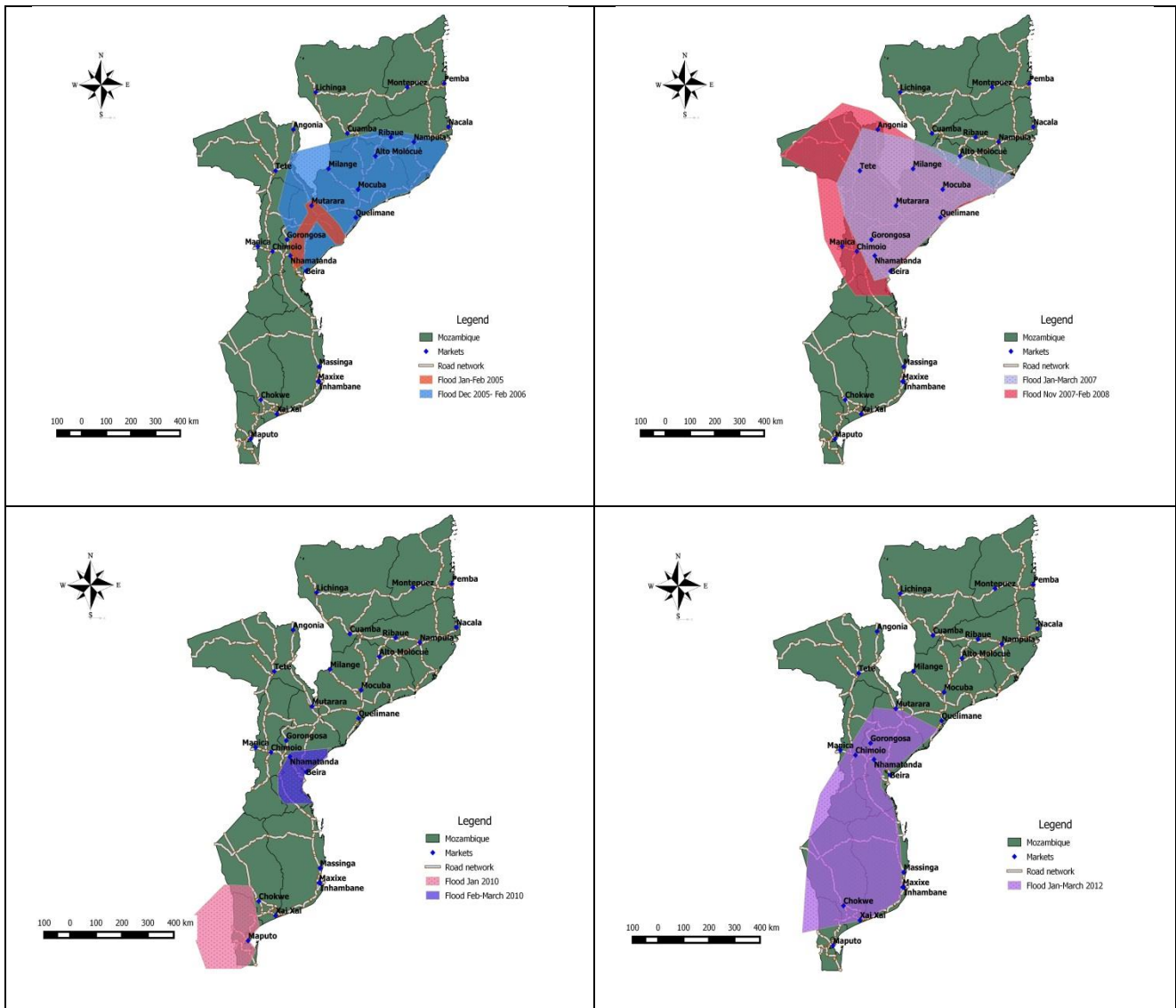
Road network by road status classification in Mozambique.



Source: Authors' elaboration using information from the Africa infrastructure country diagnostic.

Figure S2

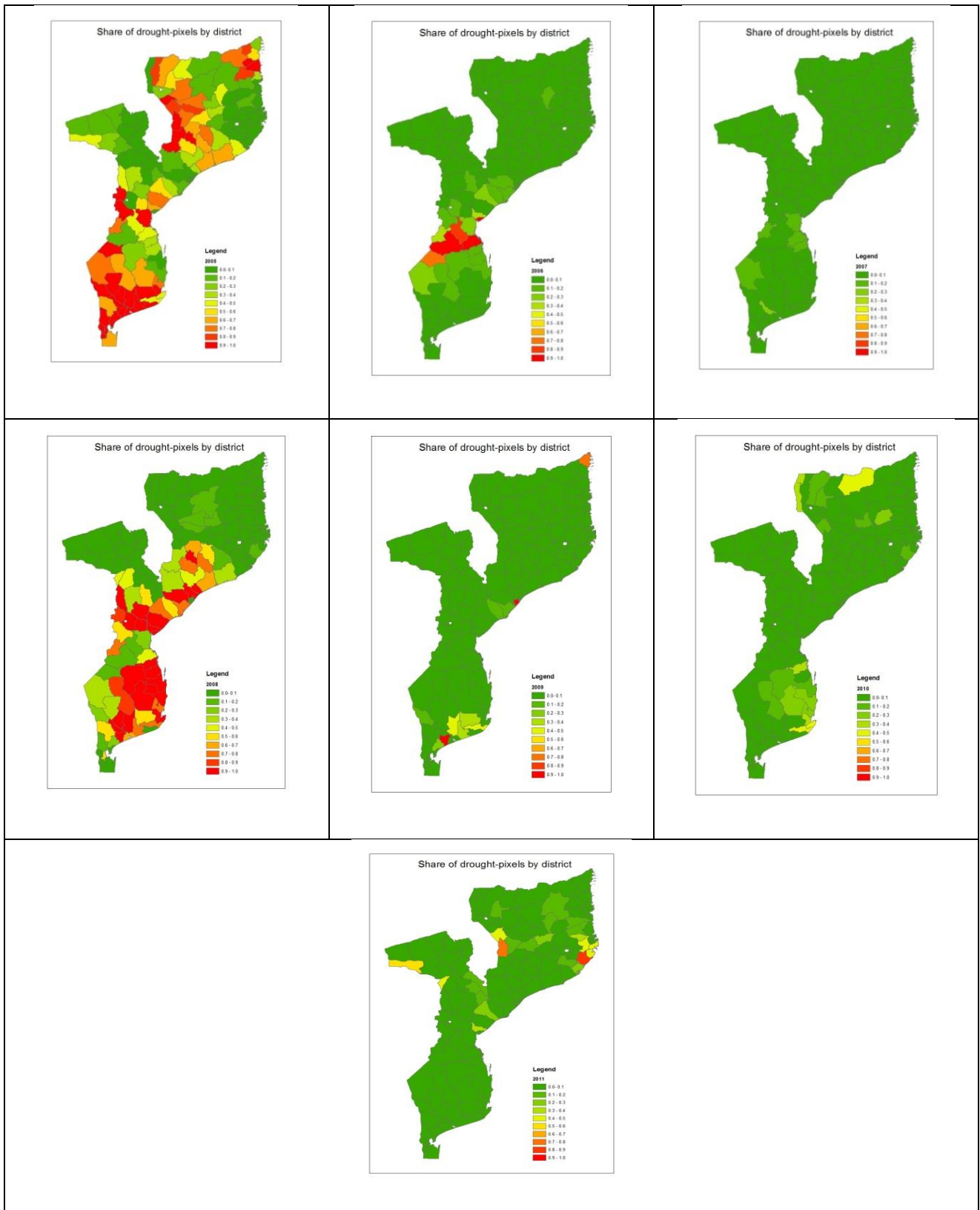
Flood events and affected markets in Mozambique. Period 2005-2012.



Source: Authors' elaboration using information from Dartmouth Flood Observatory

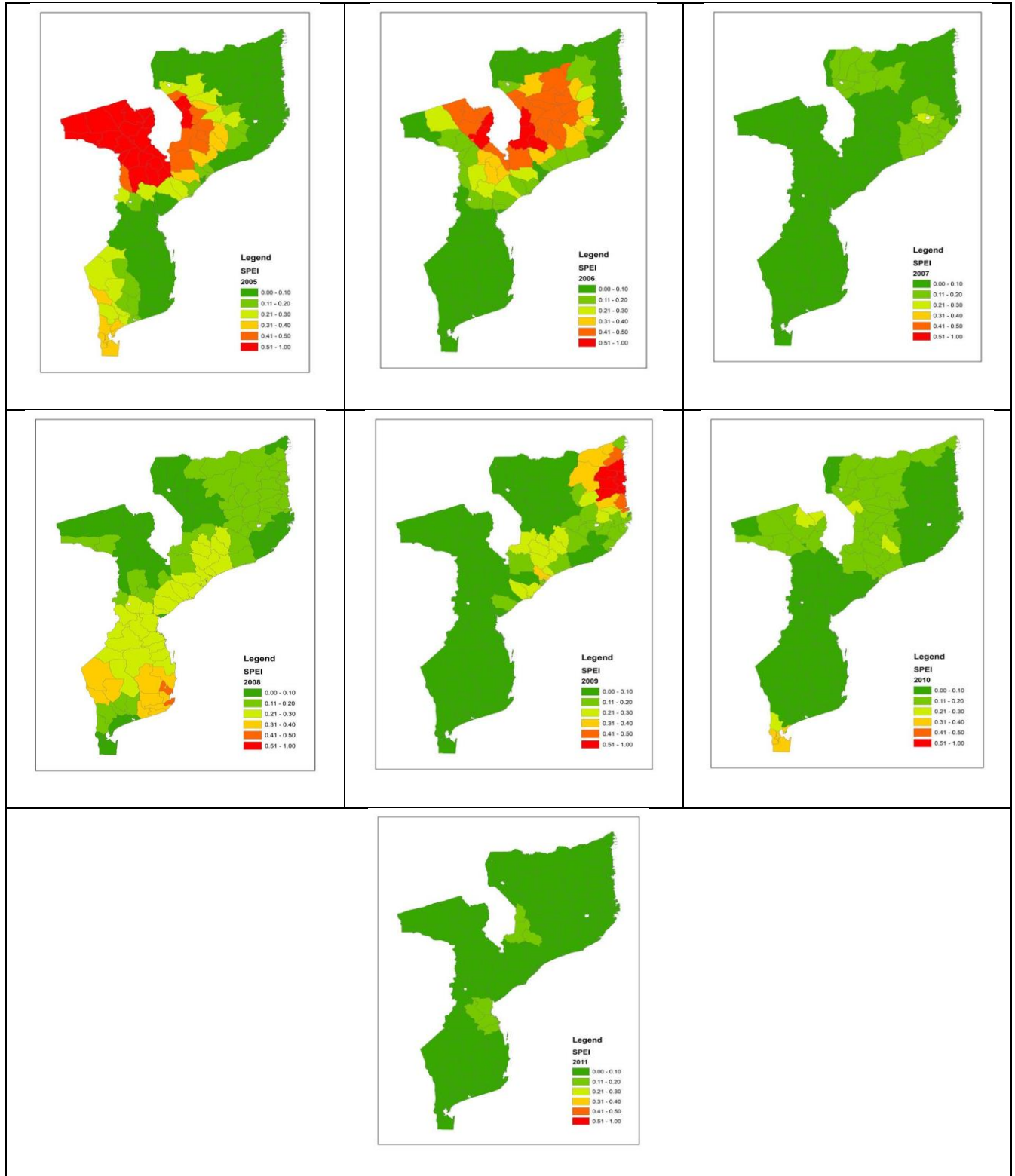
Figure S3

Drought identification by the NDVI in Mozambique. Period 2005-2011.



Source: Authors' elaboration using remote sensing data from the MODIS Terra satellite and the Tropical Rainfall Measuring Mission (TRMM).

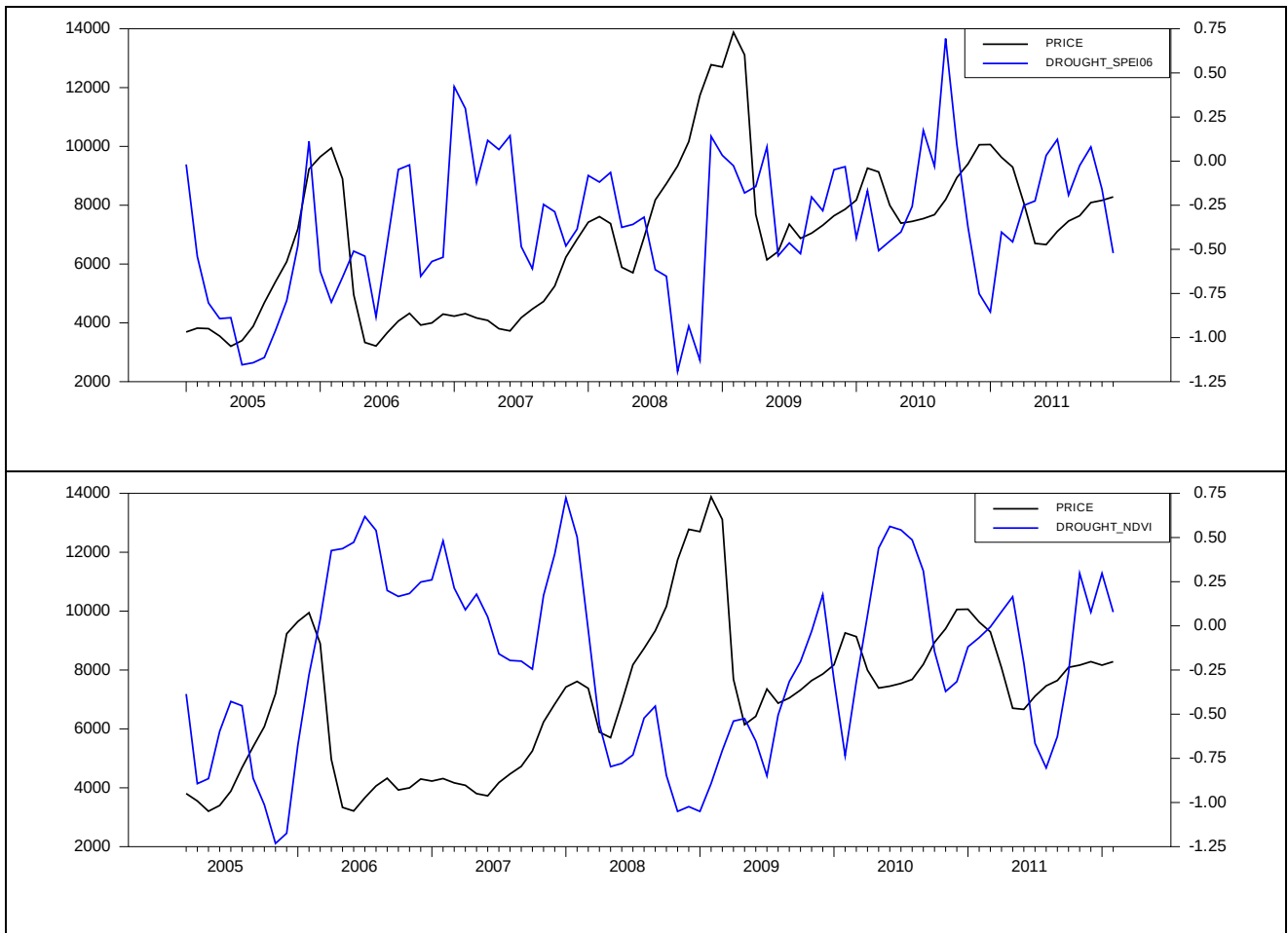
Figure S4
Drought identification by the SPEI in Mozambique. Periods 2005-2011.



Source: Authors' elaboration using Standardized Precipitation-Evapotranspiration Index (SPEI; see Vicente-Serrano et. al, 2010).

Figure S5.

Drought indexes and monthly average maize price.



Source: Authors' elaboration using SIMA data and information from drought indexes.

Table S1. Predictions of transport costs.

Variables	(1)	(2)	(3)	(4)
Flood (one market)		0.260* (0.159)	0.259* (0.159)	0.264* (0.160)
Flood (both markets)		-0.00864 (0.0842)	-0.008 (0.084)	0.003 (0.088)
Drought NDVI (one market)			-0.006 (0.026)	
Drought NDVI (both markets)			-0.006 (0.042)	
Drought SPEI6 (one market)				0.026 (0.029)
Drought SPEI6 (both markets)				-0.037 (0.046)
Distance (km)	0.00115*** (4.75e-05)	0.00114*** (4.64e-05)	0.001*** (4.67e-05)	0.001*** (4.45e-05)
1 if paved road	-0.850** (0.395)	-0.817** (0.372)	-0.817** (0.373)	-0.807** (0.368)
Diesel price (MZM/litre)	0.0241*** (0.00603)	0.0253*** (0.00647)	0.025*** (0.007)	0.0252*** (0.007)
1 if commercialization period	-0.0421 (0.0409)	-0.0430 (0.0411)	-0.042 (0.042)	-0.042 (0.041)
Constant	0.676 (0.411)	0.623 (0.390)	0.629 (0.394)	0.626 (0.389)
Market fixed effects	Yes	Yes	Yes	Yes
Monthly dummies	Yes	Yes	Yes	Yes
Yearly dummies	Yes	Yes	Yes	Yes
Time trend	Yes	Yes	Yes	Yes
R-squared	0.681	0.685	0.685	0.685
Observations	1.383	1.383	1.383	1.383
Number of market pairs	116	116	116	116

Note: *** p<0.01, ** p<0.05, * p<0.1

Table S2. Estimated effects of drought period and drought and flood intensity on price dispersion.

Variables	(1)	(2)	(3)
Flood intensity			0.72** (0.25)
Drought SPEI6 (one market)			-0.505 (0.573)
Drought SPEI6 (both markets)			-1.25* (0.74)
Drought SPEI6 (one market)*sowing	0.079 (1.12)		
Drought SPEI6 (both markets)*sowing	-0.499 (1.55)		
Drought SPEI6 (one market)*growing	-0.159 (0.70)		
Drought SPEI6 (both markets)* growing	-0.15 (1.27)		
Drought SPEI6 (one market)*harvesting	1.15 (1.40)		
Drought SPEI6 (both markets)*harvesting	-3.28 (2.68)		
Drought SPEI6 (one market)*commercialization	-1.62** (0.744)		
Drought SPEI6 (both markets)*commercialization	-1.17 (0.88)		
Drought mild (one market)		0.57 (0.43)	
Drought mild (both market)		0.32 (0.55)	
Drought moderate (one market)		-1.02** (0.42)	
Drought moderate (both market)		-0.98 (0.85)	
Drought severe (one market)		0.55 (0.62)	
Drought severe (both market)		0.59 (1.44)	
Other covariates	Yes	Yes	Yes
Market pair fixed effects	Yes	Yes	Yes
Monthly dummies	Yes	Yes	Yes
Yearly dummies	Yes	Yes	Yes
Market pair time trend	Yes	Yes	Yes
R-squared	0,50	0,50	0,48
Observations	26.700	26.700	26.700
Number of market pairs	300	300	300

Note: *** p<0.01, ** p<0.05, * p<0.1