Supplementary Materials: Remote Sensing-Based Assessment of the 2005–2011 Bamboo Reproductive Event in the Arakan Mountain Range and Its Relation with Wildfires

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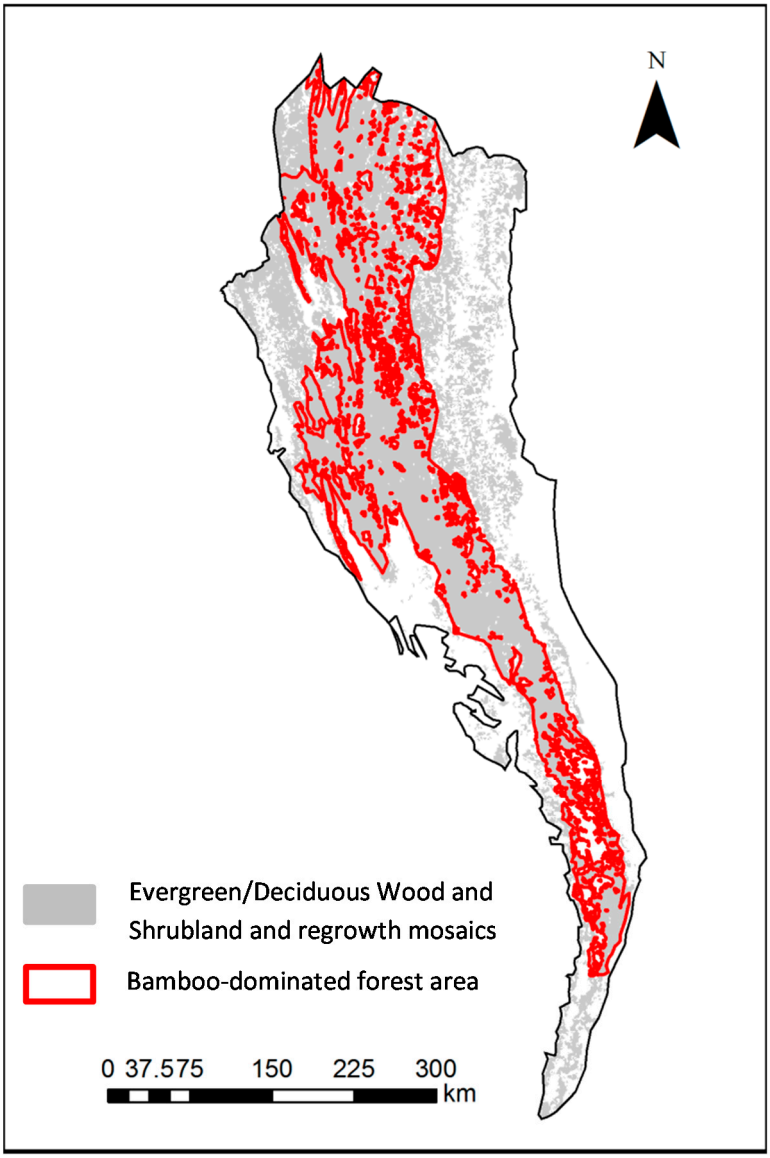

Figure S1. The map depicts the 'evergreen/deciduous wood and shrubland and regrowth mosaics' forest classes of the Forest Map of South East Asia [21,22] and the bamboo-dominated forest area generated in this study by visual interpretation of multiple information layers.

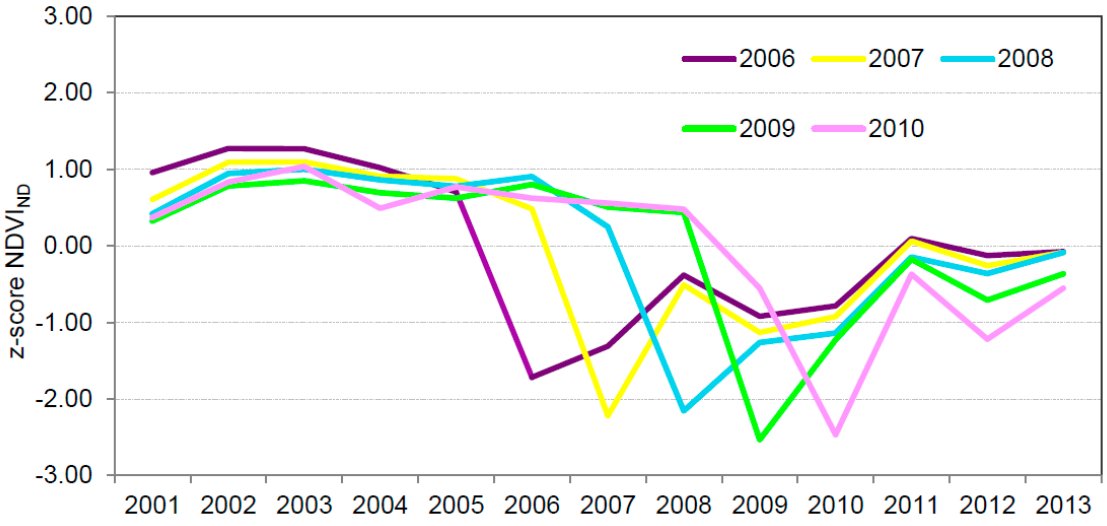

Figure S2. Z-score NDVIND trends calculated by spatially averaging NDVIND time series across the five main reproductive event year classes, as depicted in Figure 4. A significant NDVIND anomaly can be observed during the reproductive event years.

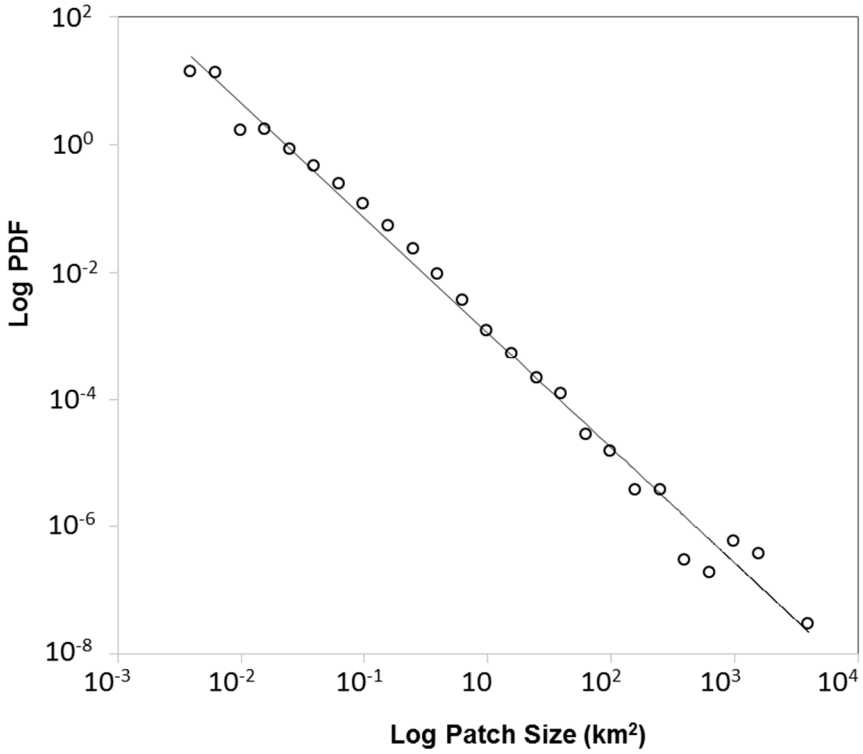

Figure S3. Patch-size distribution of reproductive event patches. The log-log plot depicts on the X axis the patch size (km²) and on the Y axis the probability density function (PDF). The power-law fitting is reported.

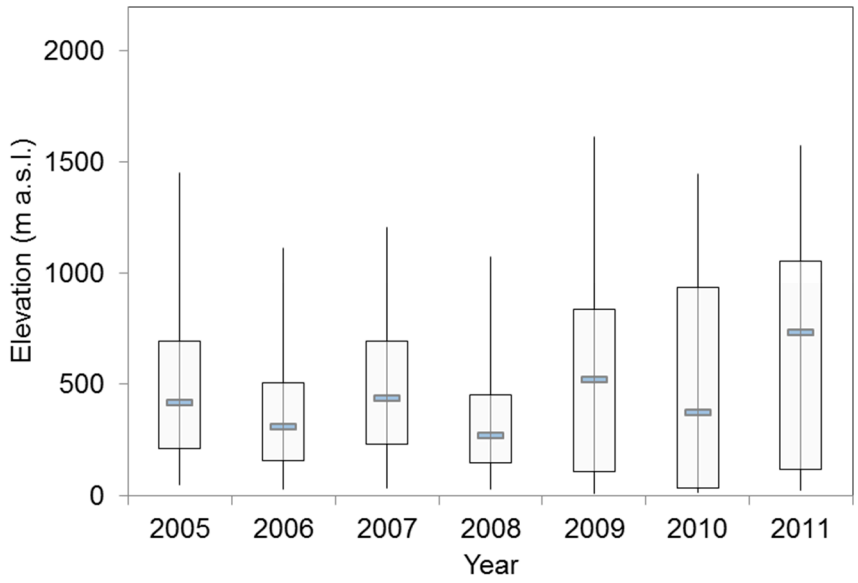

Figure S4. Distribution of reproductive event patches with elevation. The box-plot depicts on the X axis the reproductive event year and on the Y axis the elevation.

Table S1. Regression analysis between Burned Area and $SPEI_{NOVMAY}$ including a binary variable (FL_1NFL_0) with value 1 for reproductive event years and value 0 for non-reproductive event years. The coefficient for FL_1NFL_0 is positive and highly significant, indicating that the burn area is significantly larger during reproductive event years than non-reproductive event years, conditional on $SPEI_{NOVMAY}$.

Source	**SS**	**df**	**MS**	Number of obs = 12;	
Model	25,363,167.4	2	12,681,583.7	F (2,9) = 25.92;	
Residual	4,403,529.3	9	489,281.033	Prob > F = 0.0002;	
Total	29,766,696.7	11	2,706,063.33	R^2 = 0.8521; Adj. R^2 = 0.8192; RMSE = 699.49	
Burned Area	**Coef.**	**Std. Err.**	**t**	***P*** **> |t|**	**[95% Conf. Interval]**
$SPEI_{NOVMAY}$	−2167.365	417.1636	−5.20	0.001	−3111.055 −1223.675
FL_1NF_0	2267.419	406.8076	5.57	0.000	1347.156 3187.682
_cons	644.9496	311.6847	2.07	0.068	−60.1301 1350.029