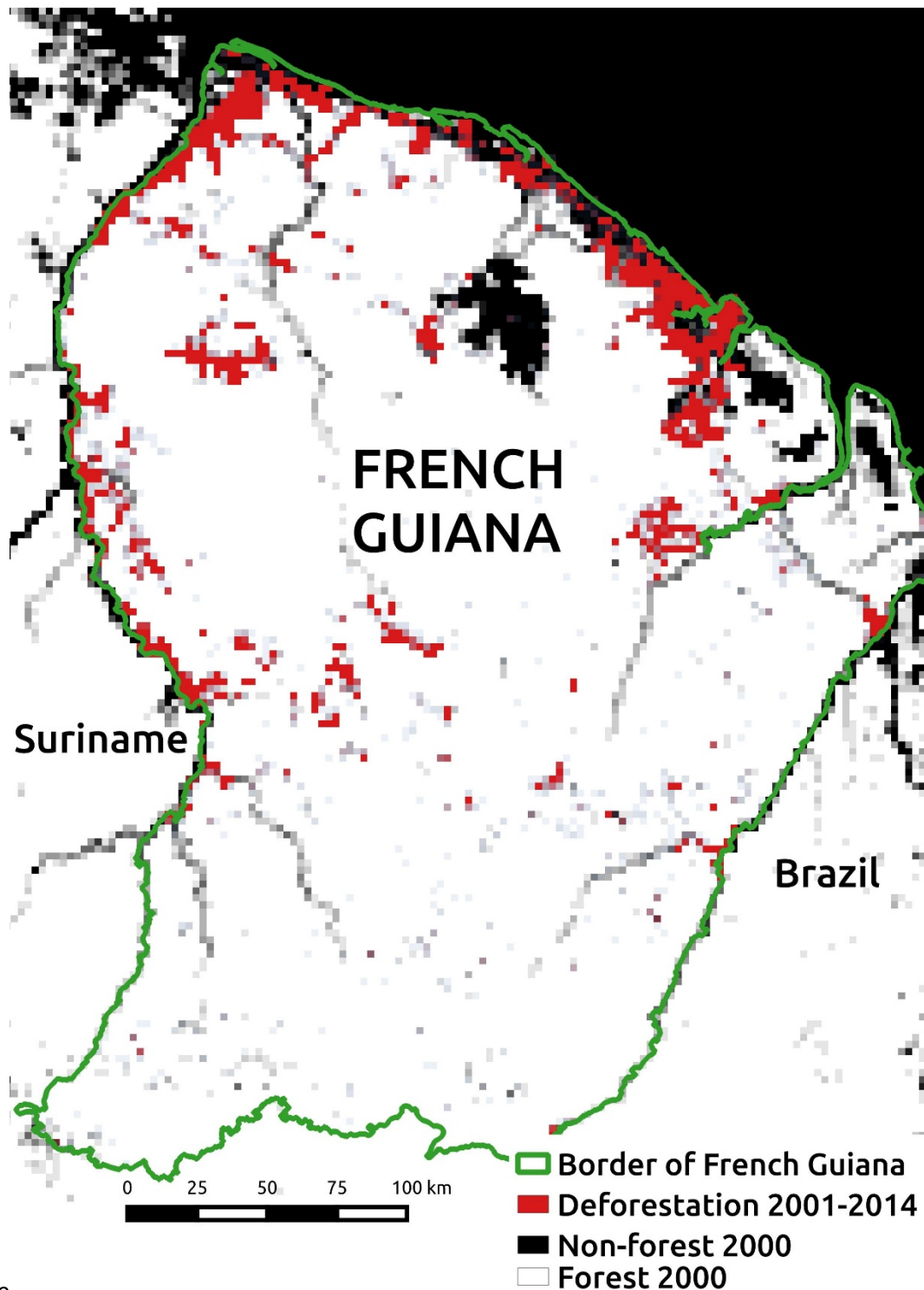
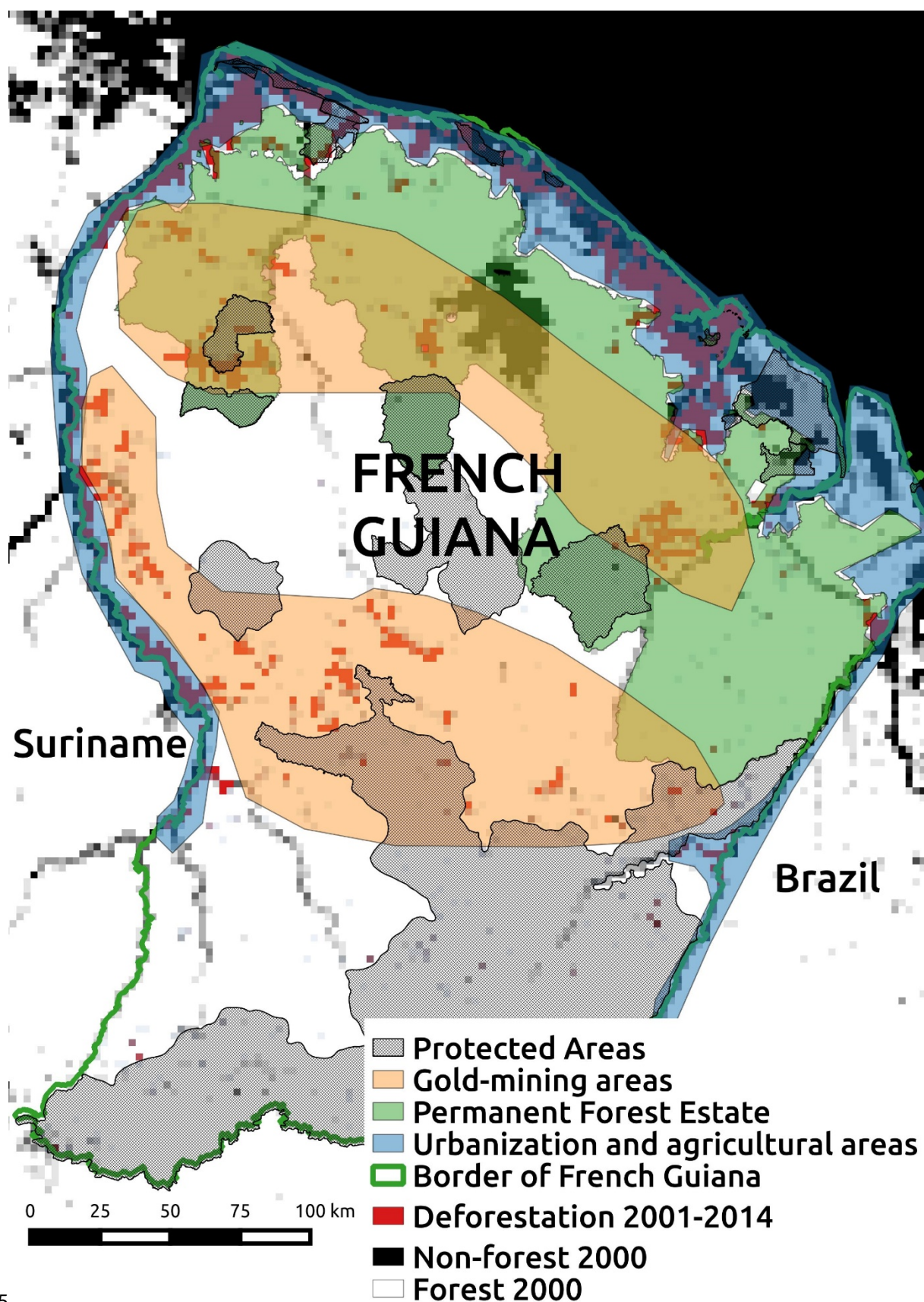


1Supporting information

2Figure S1 – Forest cover 2000 and deforestation 2001-2014 map of French Guiana.



4Figure S2 – Overview of the location of the main activities leading to deforestation



6Table S1 –Confusion matrix as input for assessing models performance.

		Observations		Total
		0 (forest)	1 (non-forest)	
Predictions	0	n_{00}	n_{01}	n_{0+}
	1	n_{10}	n_{11}	n_{1+}
Total		n_{+0}	n_{+1}	n

8Table S2 –Definition of the pixel-per-pixel based performance calculated in this study

9following (Liu, White, and Newell 2011; Pontius et al. 2008; Vieilledent, Grinand, and Vaudry
102013).

Index	Definition
Overall accuracy (OA)	$a_o = (n_{11} + n_{00})/n$
Figure Of Merit (FOM)	$FOM = n_{11}/(n_{11} + n_{10} + n_{01})$
Sensitivity (Sen)	$Sen = n_{11}/n_{1+}$
Specificity (Spe)	$Spe = n_{00}/n_{0+}$
Cohen's Kappa (K)	$K = (OA - a_e)/(1-a_e)$
	where $a_e = (n_{1+} * n_{+1} + n_{0+} * n_{+0})/n^2$