

Supplementary Materials: Quantitative Assessment of the Human Appropriation of Net Primary Production (HANPP) in the Coastal Areas of Jiangsu, China

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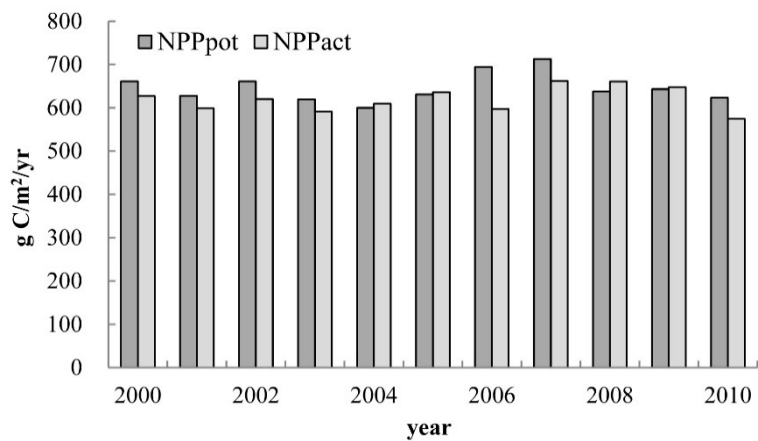


Figure S1. NPP_{pot} and NPP_{act} of the coastal areas of Jiangsu over the period 2000–2010.

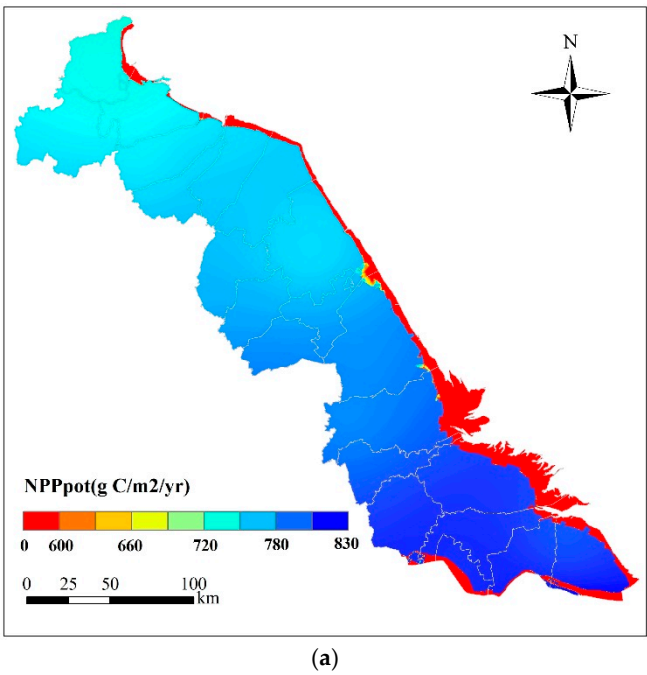
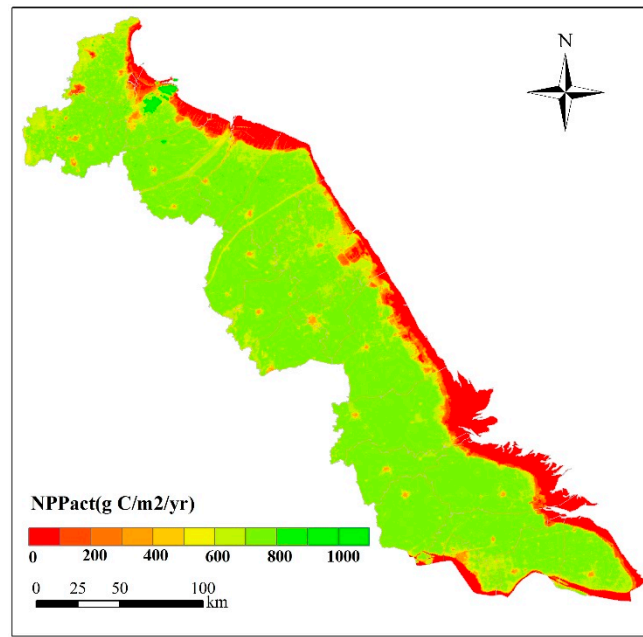


Figure S2. Cont.



(b)

Figure S2. The distribution of average NPP_{act} over the period 2000–2010.

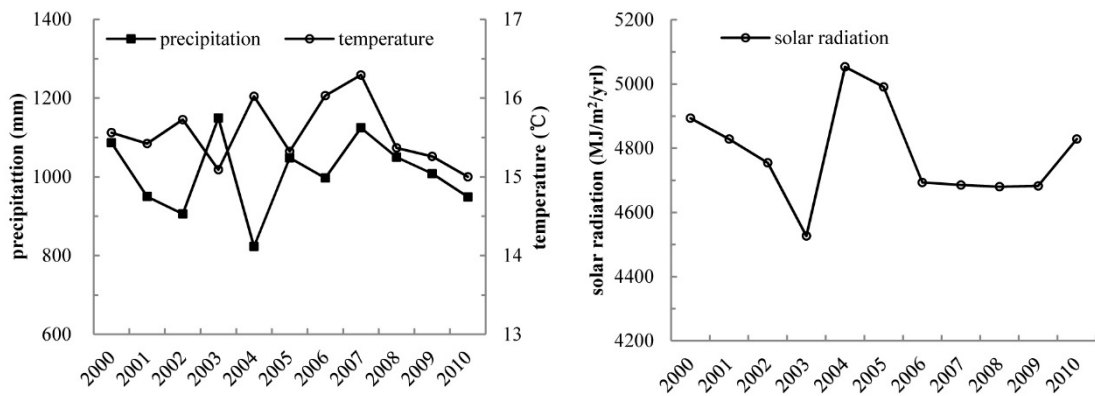


Figure S3. The average precipitation, temperature and solar radiation of the coastal areas of Jiangsu over the period 2000–2010.

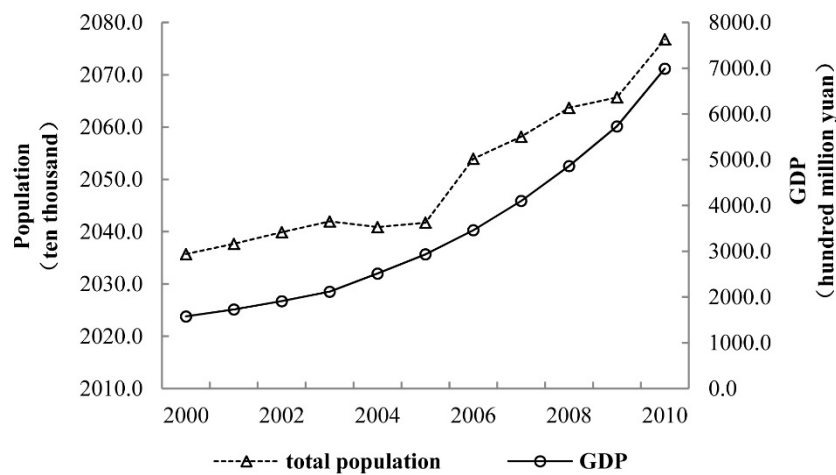


Figure S4. The total population and GDP of the coastal areas of Jiangsu from 2000 to 2010.

Table S1. The average proportions of all studied crops in the counties of the coastal areas of Jiangsu from 2000 to 2010.

Counties	Wheat	Barley	Pea	Rice	Maize	Soybea	Potatoes	Peanut	Rapeseed	Sesame	Cotton
Lianyungang district	41.50%	0.04%	0.00%	42.39%	4.54%	3.87%	0.24%	0.13%	0.23%	0.00%	7.06%
Ganyu	37.48%	2.12%	0.06%	26.42%	8.34%	1.83%	5.42%	17.28%	0.00%	0.00%	1.04%
Donghai	41.88%	0.11%	0.02%	36.01%	6.78%	2.99%	3.63%	8.41%	0.01%	0.00%	0.15%
Guanyun	38.76%	1.01%	0.00%	31.87%	8.91%	4.89%	1.27%	0.15%	0.60%	0.01%	12.52%
Guannan	45.40%	0.90%	0.03%	37.46%	6.11%	2.97%	1.52%	0.12%	1.44%	0.01%	4.05%
Yancheng district	15.22%	18.94%	2.14%	23.42%	3.61%	3.24%	0.82%	0.34%	6.69%	0.15%	25.42%
Xiangshui	20.93%	9.69%	0.79%	27.99%	10.11%	3.66%	1.68%	2.67%	8.43%	0.01%	14.05%
Binhai	21.22%	6.57%	1.22%	29.51%	10.81%	3.16%	1.88%	1.64%	16.80%	0.02%	7.15%
Funing	30.92%	7.05%	1.53%	41.15%	4.54%	3.22%	1.19%	1.08%	6.68%	0.03%	2.61%
Sheyang	18.92%	15.27%	3.03%	22.35%	4.45%	2.70%	0.81%	0.78%	6.15%	0.25%	25.28%
Jianhu	35.85%	2.55%	0.91%	45.39%	0.66%	3.01%	0.56%	0.22%	5.72%	0.15%	4.98%
Yandu	30.91%	8.51%	0.61%	43.33%	0.76%	2.42%	0.12%	0.07%	6.75%	0.05%	6.48%
Dongtai	18.89%	8.81%	2.07%	15.66%	15.08%	7.88%	1.21%	2.30%	16.25%	0.16%	11.68%
Dafeng	18.94%	11.95%	2.17%	14.28%	8.86%	5.10%	0.00%	1.80%	10.85%	0.36%	25.69%
Nantong district	24.29%	0.15%	4.17%	31.07%	5.69%	10.18%	0.50%	1.93%	21.13%	0.59%	0.29%
Hai'an	40.41%	1.13%	0.67%	43.51%	3.01%	2.56%	0.33%	0.40%	6.91%	0.00%	1.06%
Rudong	25.18%	10.75%	4.63%	32.55%	4.15%	4.20%	0.37%	1.37%	9.34%	0.04%	7.43%
Qidong	2.35%	0.15%	24.43%	0.08%	18.23%	17.93%	1.43%	7.84%	17.03%	0.35%	10.17%
Rugao	32.25%	3.92%	1.63%	35.99%	5.93%	5.12%	2.09%	3.17%	9.20%	0.02%	0.69%
Tongzhou	20.53%	0.90%	7.65%	27.25%	5.38%	6.74%	0.75%	3.62%	20.44%	0.31%	6.44%
Haimen	5.02%	0.53%	19.22%	2.34%	16.05%	9.53%	1.97%	11.29%	24.05%	0.71%	9.31%

Table S2. The HANPP value in 2000 and the HANPP change from 2000 to 2010 in the counties of the coastal areas of Jiangsu.

Counties	HANPP% of NPP _{pot}		HANPP _{pluc} of NPP _{pot}	
	Value in 2000	Change from 2000 to 2010	Value in 2000	Change from 2000 to 2010
Lianyungang district	16.7%	29.9%	9.0%	3.8%
Ganyu	31.9%	25.1%	-2.3%	-0.1%
Donghai	41.2%	25.6%	-7.3%	7.0%
Guanyun	40.1%	37.1%	2.5%	4.6%
Guannan	37.2%	41.6%	-5.5%	9.9%
Yancheng district	16.5%	31.5%	-1.1%	0.7%
Xiangshui	40.2%	24.4%	13.6%	1.1%
Binhai	40.7%	23.2%	3.9%	-2.8%
Funing	47.7%	30.6%	-1.7%	2.4%
Sheyang	54.0%	6.3%	11.3%	-9.4%
Jianhu	58.0%	23.4%	17.4%	1.0%
Yandu	64.3%	13.0%	-0.2%	3.3%
Dongtai	51.0%	2.7%	4.8%	0.3%
Dafeng	44.8%	9.0%	13.9%	-4.2%
Nantong district	36.3%	21.6%	14.4%	14.0%
Hai'an	54.8%	12.0%	1.3%	3.0%
Rudong	57.4%	10.3%	11.1%	3.2%
Qidong	46.6%	13.9%	9.2%	17.3%
Rugao	50.4%	7.4%	3.2%	3.8%
Tongzhou	62.9%	2.8%	5.4%	8.3%
Haimen	43.3%	9.8%	5.2%	14.8%