

Supplementary Materials for:

Spatial-temporal footprints assessment and driving mechanism of China household diet based on CHNS

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Section 1. Spatial-temporal analysis and composition characteristics for multiple footprints of food consumption

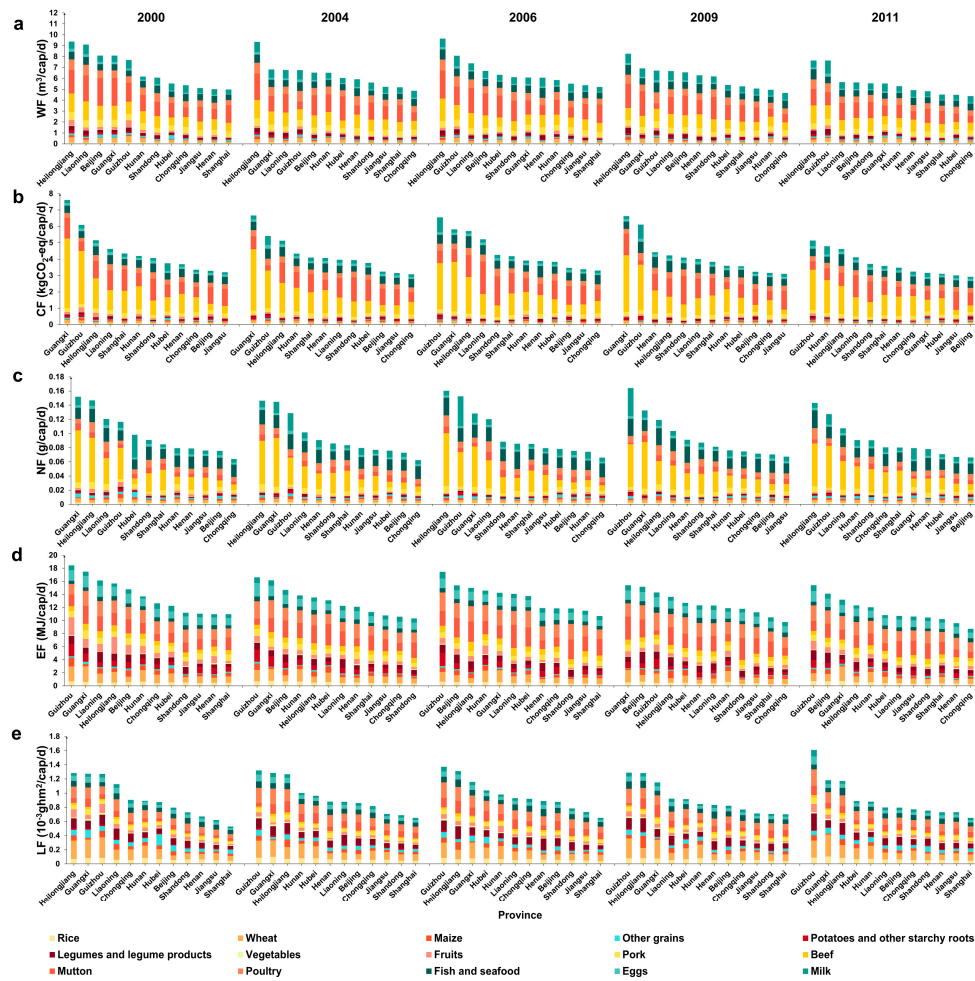


Figure S1. Spatial-temporal analysis and composition characteristics for multiple footprints of 12 provinces in 2000, 2004, 2006, 2009, 2011 (a: WF; b: CF; c: NF; d: EF; e: LF).

As shown in Figure S1, in 2000, the highest food consumption WF was $9.38 \text{ m}^3/\text{cap}/\text{d}$, in Heilongjiang, while the lowest was $4.98 \text{ m}^3/\text{cap}/\text{d}$, in Shanghai. In 2011, the highest food consumption WF was $7.64 \text{ m}^3/\text{cap}/\text{d}$, in Heilongjiang, while the lowest was $4.38 \text{ m}^3/\text{cap}/\text{d}$, in Chongqing.

In 2000, the highest food consumption CF was $7.61 \text{ kgCO}_2\text{eq}/\text{cap}/\text{d}$, in Guangxi, while the lowest was $3.20 \text{ kgCO}_2\text{eq}/\text{cap}/\text{d}$, in Jiangsu. In 2011, the highest food consumption CF was $5.14 \text{ kgCO}_2\text{eq}/\text{cap}/\text{d}$, in Guizhou, while the lowest was $2.93 \text{ kgCO}_2\text{eq}/\text{cap}/\text{d}$, in Beijing.

In 2000, the highest food consumption NF was $0.15 \text{ g}/\text{cap}/\text{d}$, in Guangxi, while the lowest was $0.06 \text{ g}/\text{cap}/\text{d}$, in Chongqing. In 2011, the highest food consumption NF was $0.14 \text{ g}/\text{cap}/\text{d}$, in Heilongjiang, while the lowest was $0.07 \text{ g}/\text{cap}/\text{d}$, in Beijing.

In 2000, the highest food consumption EF was $18.45 \text{ MJ}/\text{cap}/\text{d}$, in Guizhou, while the lowest was $10.97 \text{ MJ}/\text{cap}/\text{d}$, in Chongqing. In 2011, the highest food consumption EF was $15.41 \text{ MJ}/\text{cap}/\text{d}$, in Guizhou, while the lowest was $8.74 \text{ MJ}/\text{cap}/\text{d}$, in Chongqing.

In 2000, the highest food consumption LF was $1.28 \times 10^{-3} \text{ ghm}^2/\text{cap}/\text{d}$, in Heilongjiang, while the lowest was $0.53 \times 10^{-3} \text{ ghm}^2/\text{cap}/\text{d}$, in Chongqing. In 2011, the highest food consumption LF was $1.61 \times 10^{-3} \text{ ghm}^2/\text{cap}/\text{d}$, in Guizhou, while the lowest was $0.65 \times 10^{-3} \text{ ghm}^2/\text{cap}/\text{d}$, in Shanghai.

Section 2. Spatial-temporal analysis for multiple footprints of food consumption

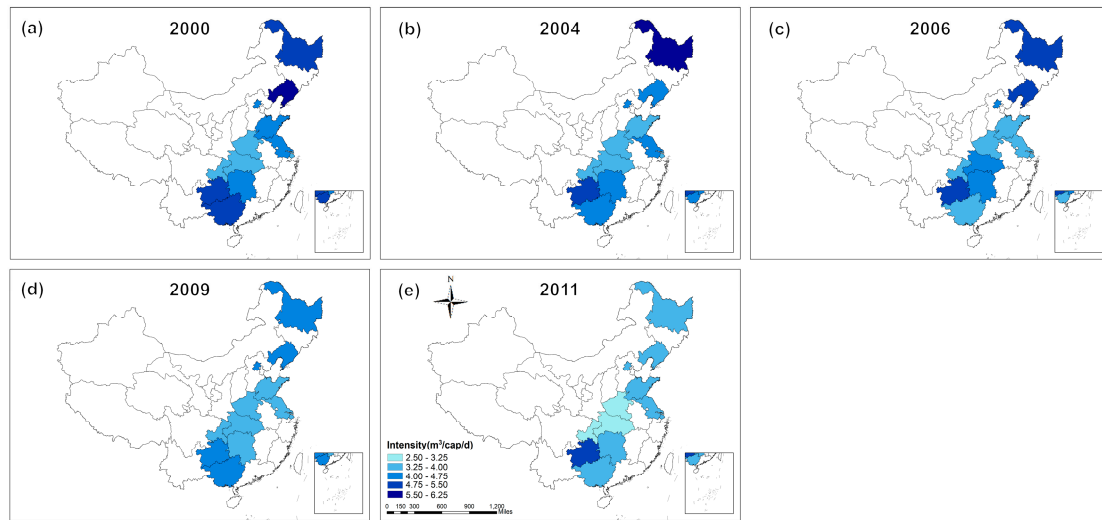


Figure S2. Spatial-temporal analysis for WF (a: year of 2000; b: year of 2004; c: year of 2006; d: year of 2009; e: year of 2011).

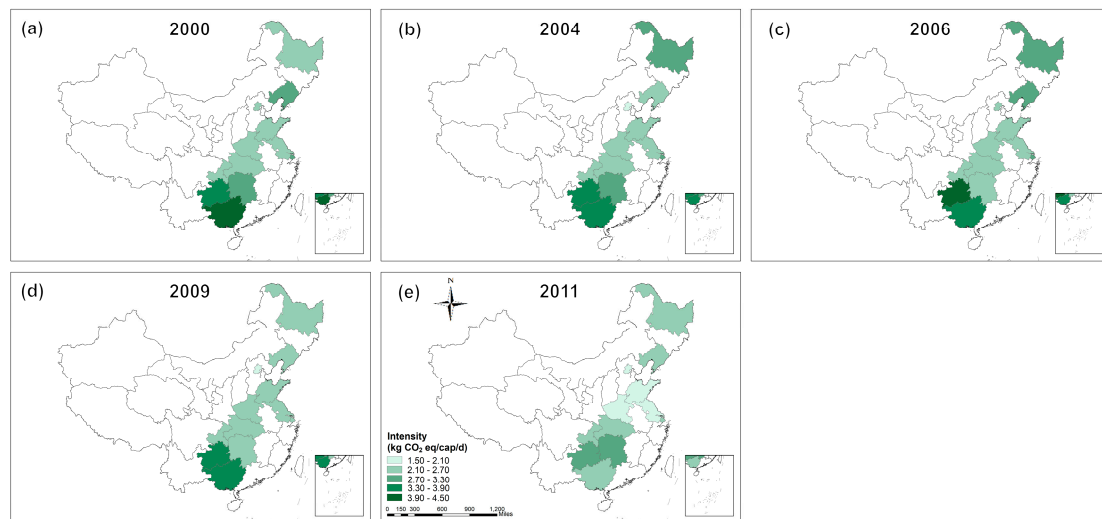


Figure S3. Spatial-temporal analysis for CF (a: year of 2000; b: year of 2004; c: year of 2006; d: year of 2009; e: year of 2011)

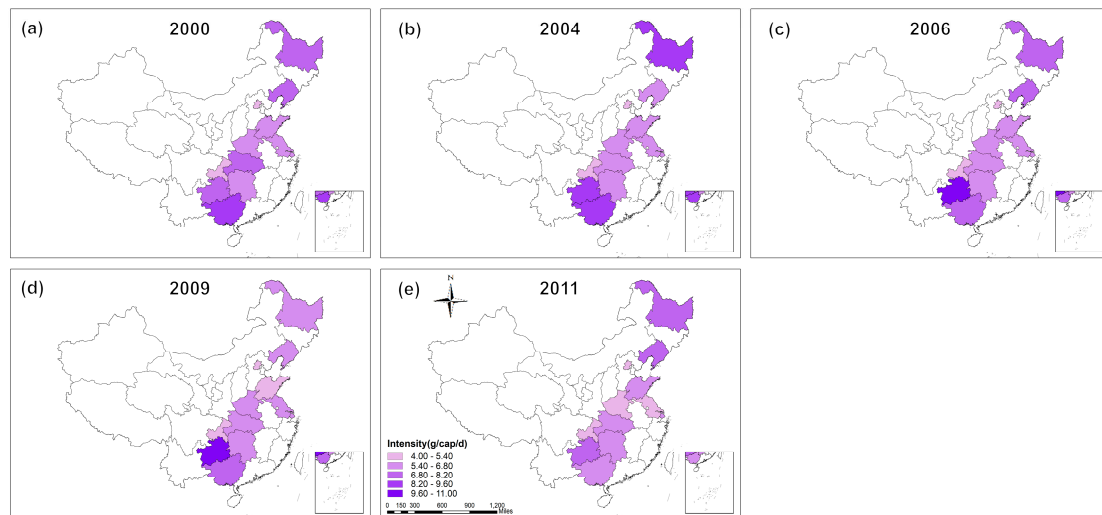


Figure S4. Spatial-temporal analysis for NF (a: year of 2000; b: year of 2004; c: year of 2006; d: year of 2009; e: year of 2011)

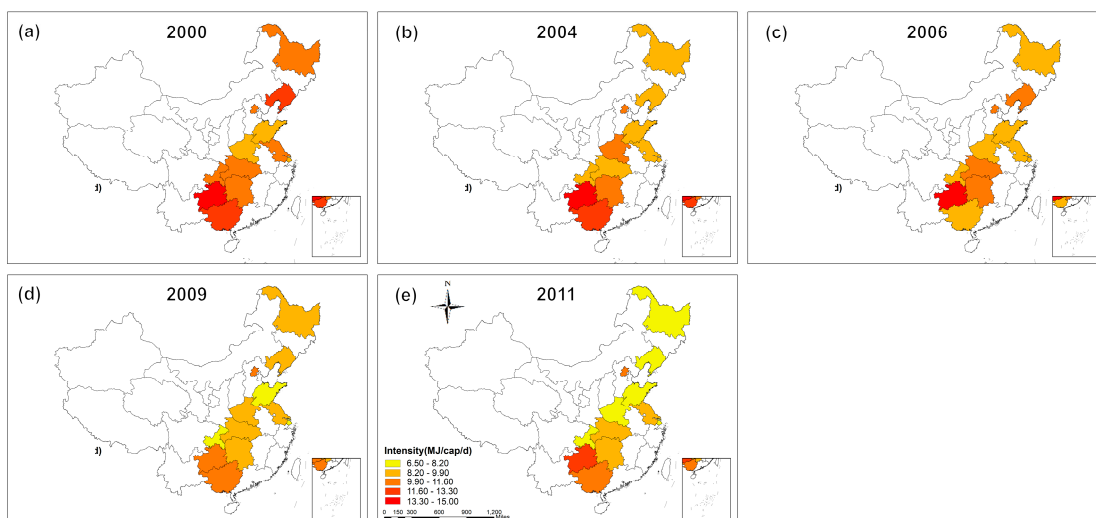


Figure S5. Spatial-temporal analysis for EF (a: year of 2000; b: year of 2004; c: year of 2006; d: year of 2009; e: year of 2011)

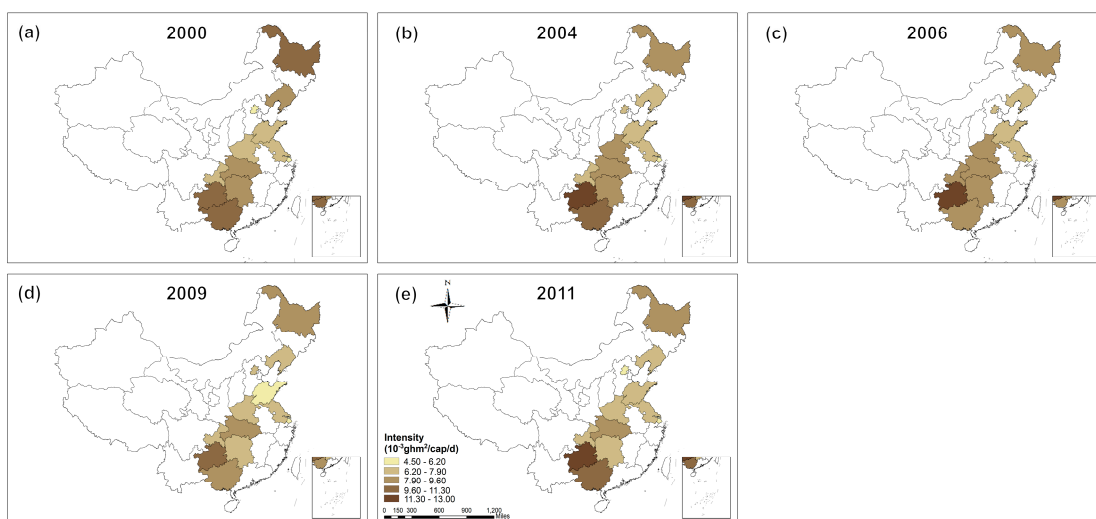


Figure S6. Spatial-temporal analysis for LF (a: year of 2000; b: year of 2004; c: year of 2006; d: year of 2009; e: year of 2011)