

Article

Spatio-Temporal Patterns and Climate Variables Controlling of Biomass Carbon Stock of Global Grassland Ecosystems from 1982 to 2006. *Remote Sensing* 2014, 6, 1783-1802**Jiangzhou Xia ^{1,2}, Shuguang Liu ^{3,4,*}, Shunlin Liang ^{1,2,5}, Yang Chen ⁶, Wenfang Xu ⁶ and Wenping Yuan ^{6,7,*}**

¹ State Key Laboratory of Remote Sensing Science, Jointly Sponsored by Beijing Normal University and Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, Beijing 100875, China; E-Mails: xiajiangzhou@mail.bnu.edu.cn (J.X.); sliang@umd.edu (S.L.)

² College of Global Change and Earth System Science, Beijing Normal University, Beijing 100875, China

³ US Geological Survey (USGS) Earth Resources Observation and Science (EROS) Center, Sioux Falls, SD 57198, USA

⁴ Geographic Information Science Center of Excellence, South Dakota State University, Brookings, SD 57007, USA

⁵ Department of Geographical Sciences, University of Maryland, College Park, MD 20742, USA

⁶ State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, Beijing 100875, China; E-Mails: chen0323@163.com (Y.C.); xuwenfangfang@163.com (W.X.); yuanwpcn@126.com (W.Y.)

⁷ State Key Laboratory of Cryospheric Sciences, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences, Lanzhou 730000, China

* Authors to whom correspondence should be addressed; E-Mails: sliu@usgs.gov (S.L.); yuanwpcn@126.com (W.Y.); Tel.: +1-605-594-6168 (S.L.); +86-10-58807715 (W.Y.); Fax: +1-605-594-6529 (S.L.); +86-10-58803002 (W.Y.).

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This supplementary supports the main text as follows:

Figure S1. MODIS land cover map in 2006.

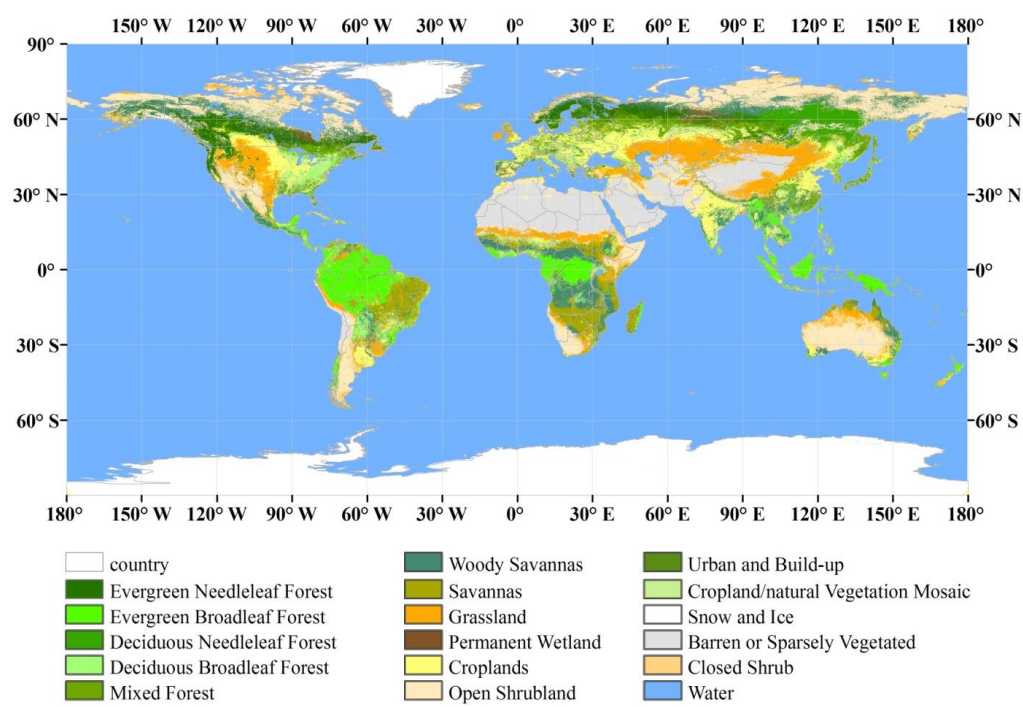


Figure S2. Spatial patterns of multiyear (1982–2006) mean annual precipitation (mm) in the five regions.

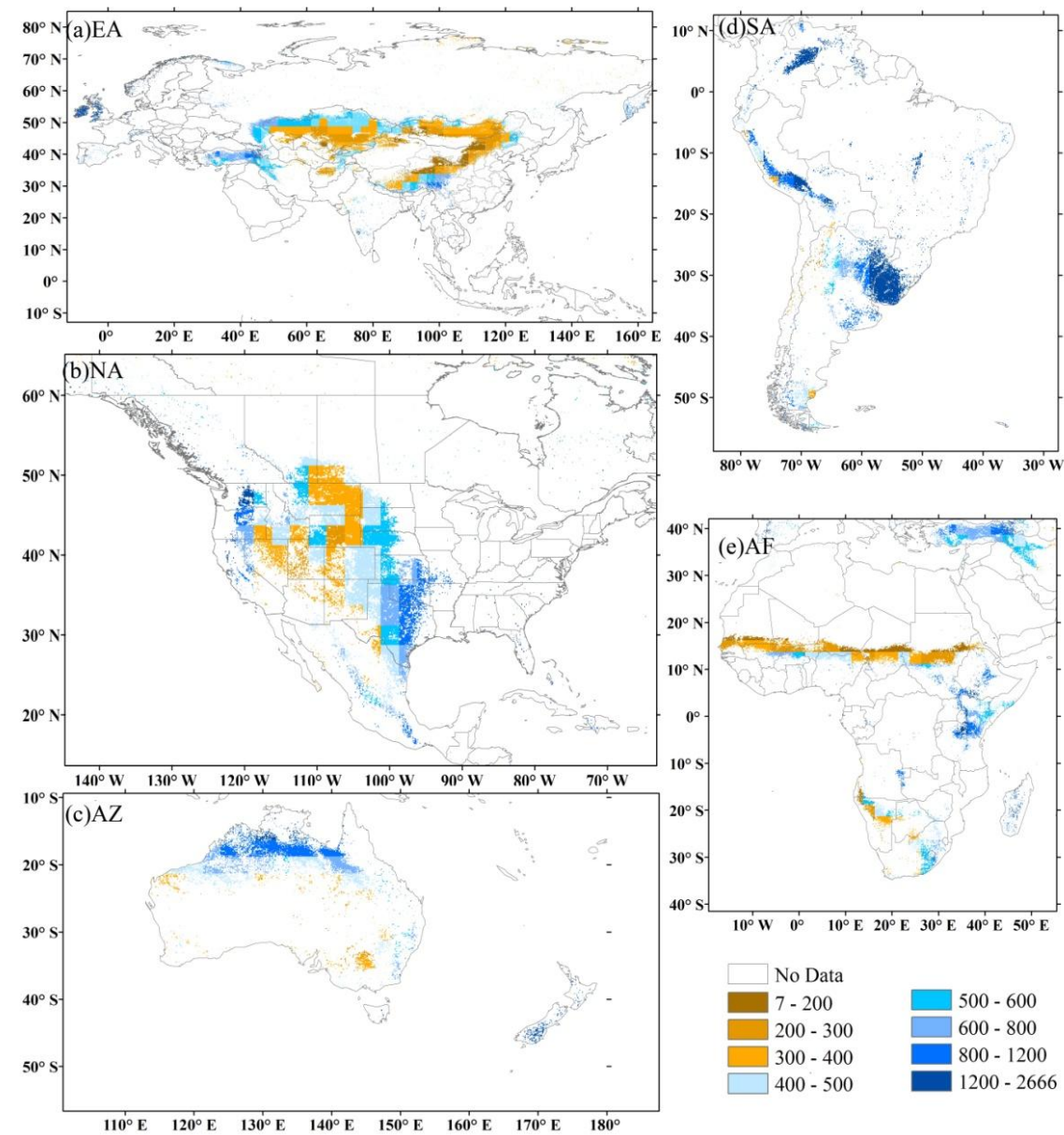


Figure S3. Coefficient of variance (CV, %) of aboveground live biomass carbon density in the five regions from 1982 to 2006 is determined by dividing the standard deviation by the mean of the simulated Agblive within each grid cell.

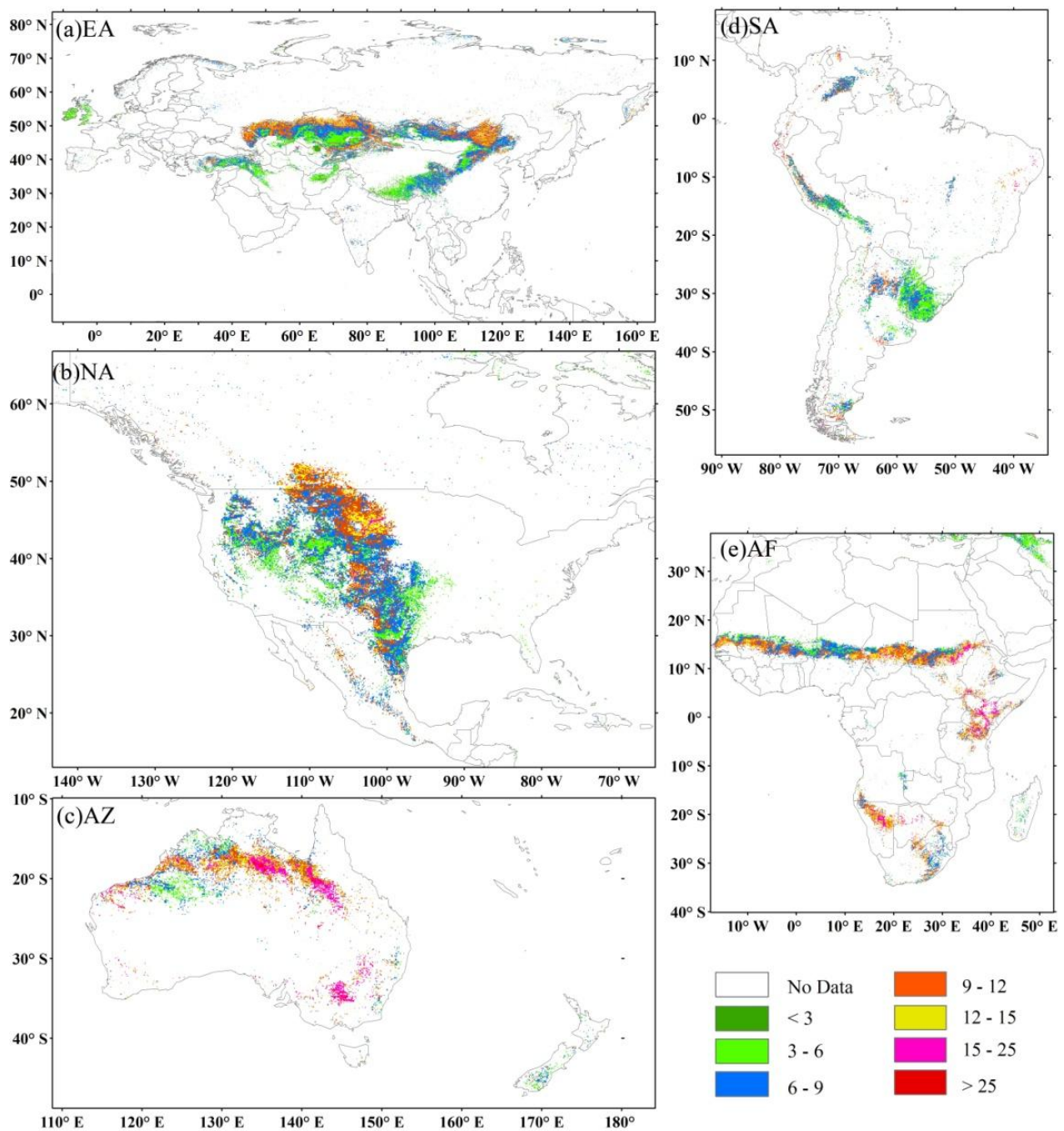


Figure S4. Spatial patterns of Pearson’s correlation coefficient of annual mean temperature and annual precipitation.

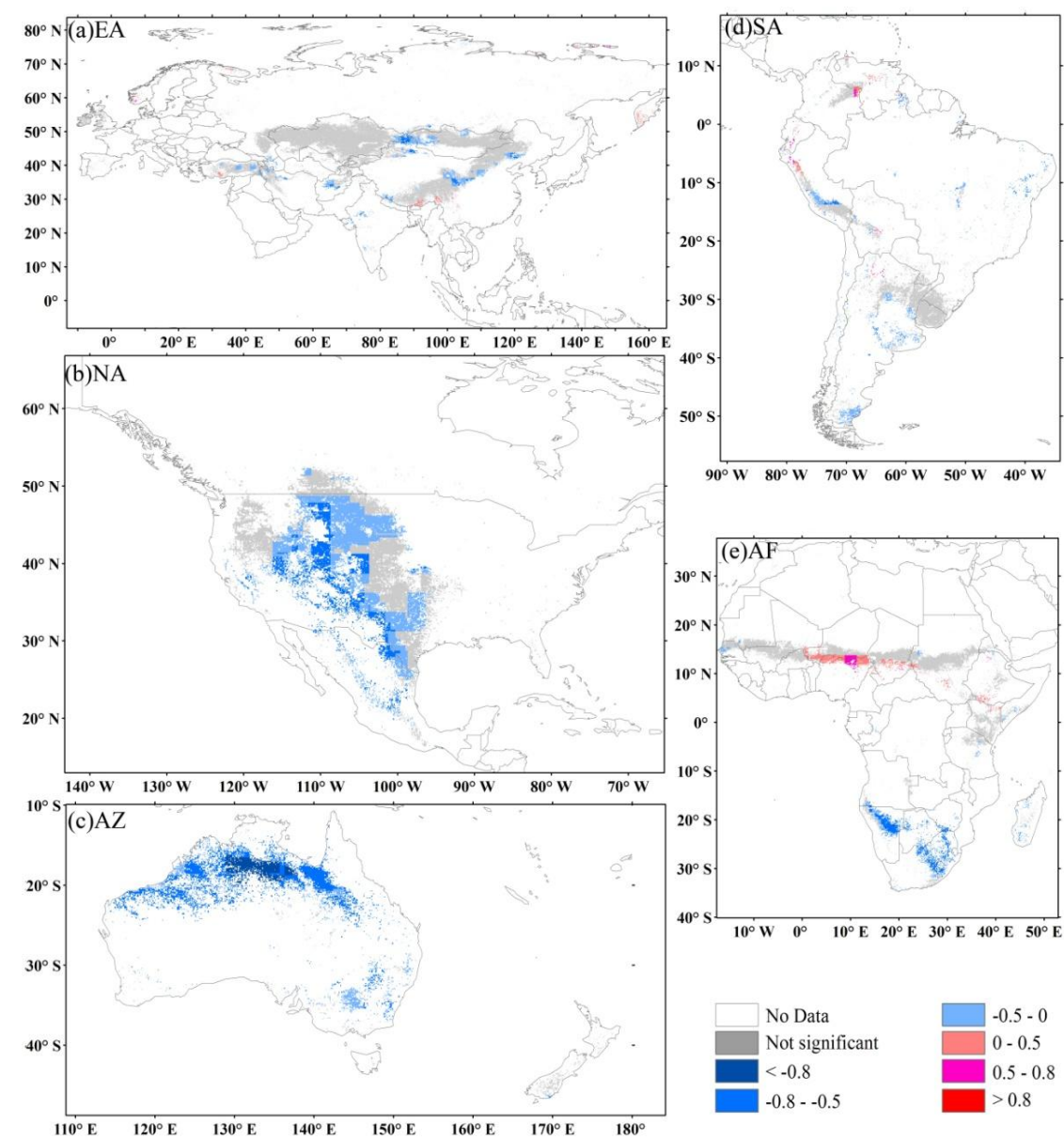


Figure S5. Interannual variations of Agbtc, temperature, and precipitation in grassland area of Africa (AF). Solid lines indicate linear fit during the period 1982–2006; dash-dot lines indicate linear fit during the period 1982–1994; dotted lines indicate linear fit during the period 1994–2006. Trends and their statistical significance (P value) are shown in the legend.

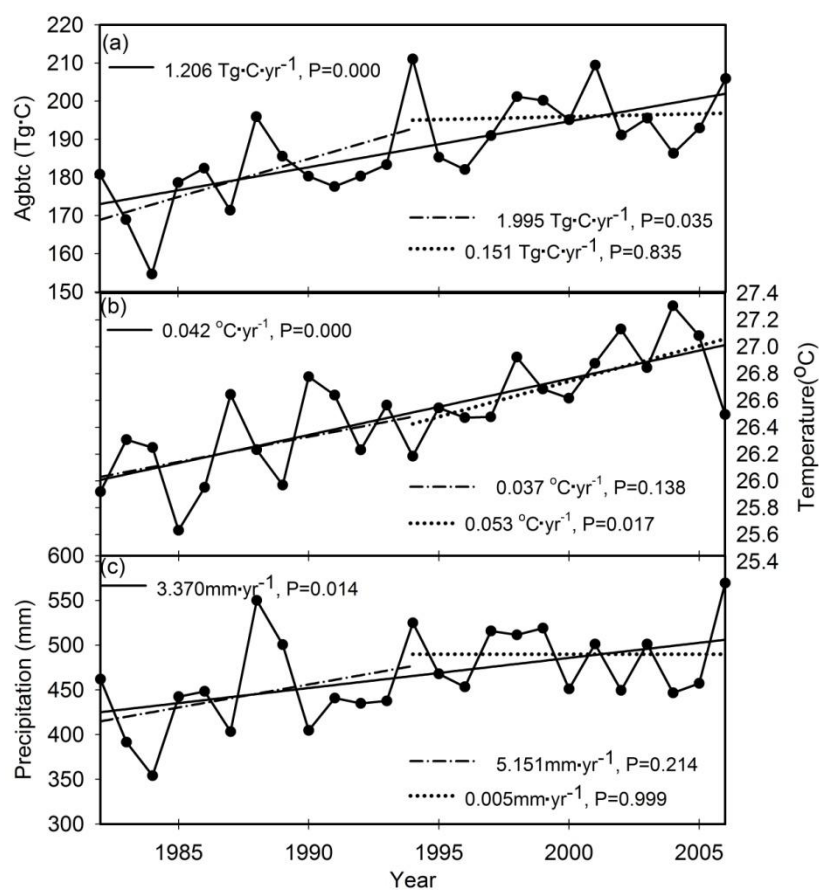
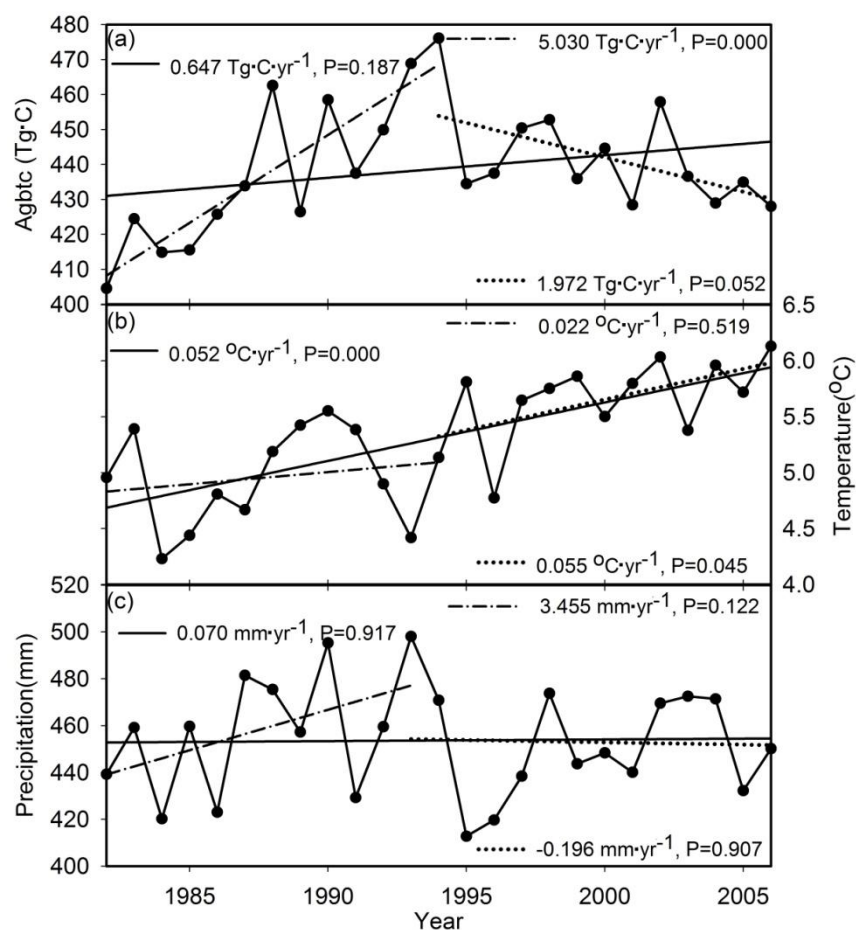


Figure S6. Interannual variations of Agbtc, temperature, and precipitation in grassland area of Europe and Asia (EA). Solid lines indicate linear fit during the period 1982–2006; dash-dot lines indicate linear fit during the period 1982–1994; dotted lines indicate linear fit during the period 1994–2006. Trends and their statistical significance (P value) are shown in the legend.



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