

Supplementary Information

Surface Temperatures at the Continental Scale: Tracking Changes with Remote Sensing at Unprecedented Detail. *Remote Sensing*, 2014, 6, 3822-3840

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Figure S1. Area of LST reconstruction. The area was covered by 18 MODIS tiles (dotted lines). The deformation of the MODIS tiles after reprojection applies correspondingly to the MODIS pixels.

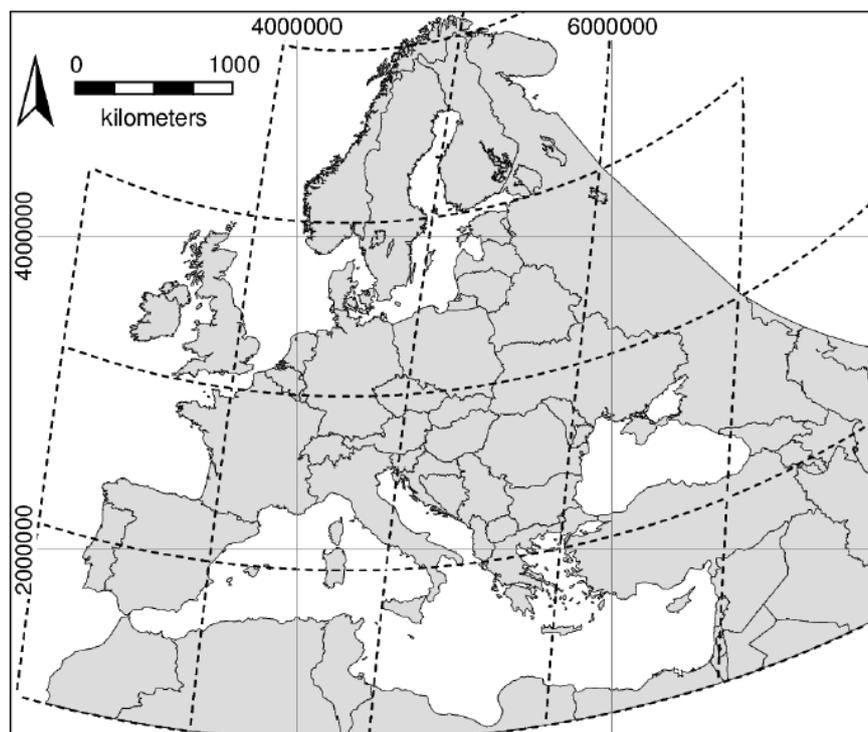


Figure S2. Illustration of the grid shift by reprojection. The sinusoidal MODIS grid (green) is shifted after reprojection to EPSG:3035.

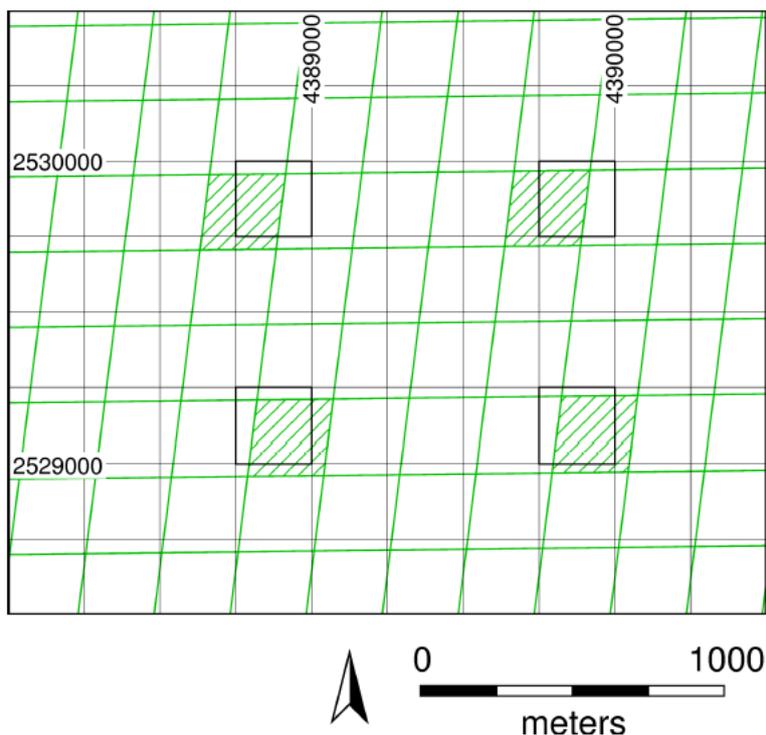


Table S1. Principal components extracted from four climatic parameters representing long-term annual averages. The first two extracted principal components which explained more than 95% of variance of the original set were used for further analysis.

	Precipitation	Average Temperature	Minimum Temperature	Temperature Range	Eigenvalue	Percent Importance
PC1	0.26	-0.61	-0.63	0.41	2.46	62.00
PC2	-0.75	0.18	-0.08	0.63	1.36	34.00
PC3	0.60	0.50	0.15	0.60	0.17	4.00
PC4	0.01	-0.59	0.76	0.29	0.00	0.00

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