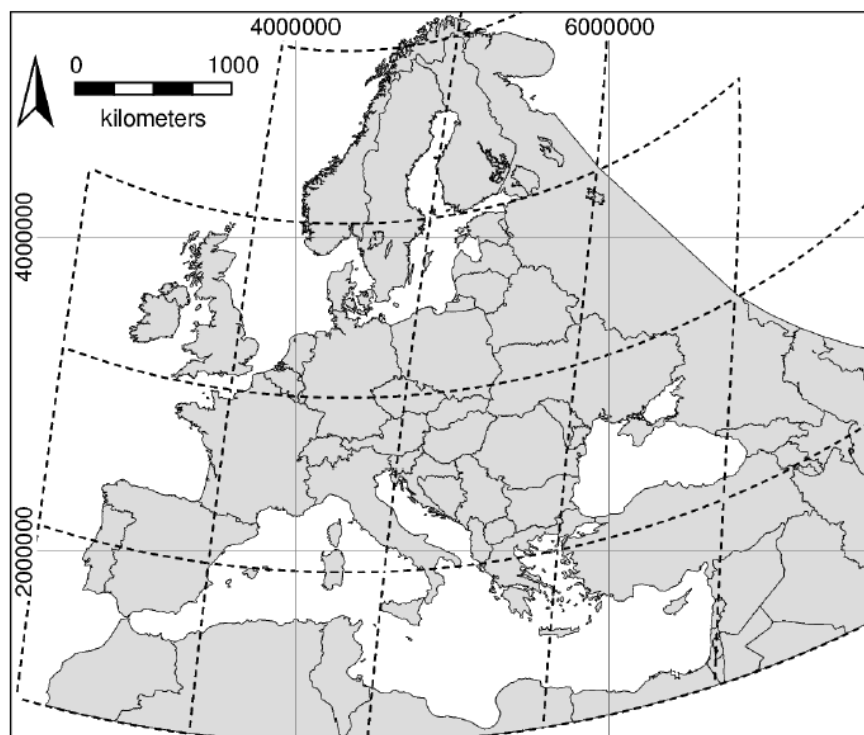


*Supplementary Information***Surface Temperatures at the Continental Scale: Tracking Changes with Remote Sensing at Unprecedented Detail. *Remote Sensing*, 2014, 6, 3822-3840****Markus Metz \*, Duccio Rocchini and Markus Neteler**

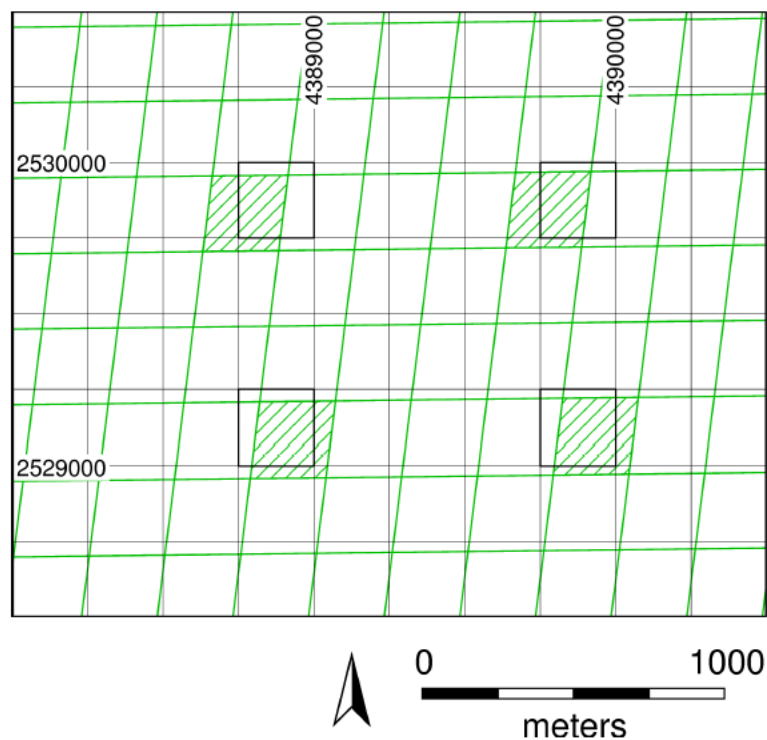
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**Figure S1.** Area of LST reconstruction. The area was covered by 18 MODIS tiles (dotted lines). The deformation of the MODIS tiles after reprojection applies correspondingly to the MODIS pixels.



**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