Anthropogenic land use change and fire history during the Holocene in the Iberian Peninsula

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**Fire history**
- 53 sites;
- 500 yr smoothing window;
- 100 yr binwidth

**Population change**
- 6900 $^{14}$C dates;
- 100 yr site binwidth;
- 200 yr smoothing window;

**Example correlation**
- above and below the median maximum diurnal temperature range for Iberia

**Example correlation**
- pre and post 7.5k start of farming

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Supplementary information

- 53 charcoal sites
- ~6900 archaeological samples
Supplementary information

Map corresponds to the correlations based on above and below the median maximum diurnal temperature range (DTR) for Iberia.

Spatial DTR calculated from from 2001-2016 annual data CRUNCEP V7 (Viovy, 2018)
Supplementary information

Example correlation:
above and below the median maximum number of dry days in a month (DRY)

$R = 0.44, p = 2.8e-5$
$R = 0.3, p = 0.0057$

Spatial DRY calculated from from 2001-2016 annual data CRUNCEP V7 (Viovy, 2018)
Supplementary information

Example correlation:
Correlations for each 2000-year time period

- $R = 0.73$, $p = 0.017$
- $R = 0.93$, $p = 2.2e-09$
- $R = -0.37$, $p = 0.11$
- $R = 0.53$, $p = 0.016$
- $R = -0.49$, $p = 0.065$