

Extreme event attribution for heat-related mortality due to anthropogenic climate change across Europe

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Supplementary Material

Table S1: 10 regions with the highest weekly temperature (upper part) vs. regions with the highest attributable fractions of heat-related mortality (lower part)

<i>Region</i>	<i>Country</i>	<i>Weekly Temperature in °C</i>
Extremadura	Spain	33.26
Madrid	Spain	30.65
Castilla - La Mancha	Spain	30.10
Centro	Portugal	28.84
Castilla y León	Spain	28.67
Norte	Portugal	28.51
Aragon	Spain	27.66
La Rioja	Spain	27.03
Galicia	Spain	25.54
Provence-Alpes-Côte d'Azur	France	24.92

<i>Region</i>	<i>Country</i>	<i>Attributable Fraction in %</i>
Centro	Portugal	34.04
Castila y León	Spain	32.19
Extremadura	Spain	30.80
Alentejo	Portugal	20.05
Norte	Portugal	29.74
Lombardia	Italy	29.20
La Rioja	Spain	29.00
Galicia	Spain	27.28
Castila - La Mancha	Spain	26.54
Basque Country	Spain	26.38

Table S2: List of regions where the PRMs are higher than the PRTs

<i>Region</i>	<i>PRT</i>	<i>PRM</i>
Northern Albania	8.7 (2.6 - 40.3)	11.2 (3.6 - 50.5)
Cyprus	4.2 (1.9 - 11.3)	6.3 (2.3 - 17.7)
South Aegea	4.8 (2.4 - 11.9)	6.0 (2.8 - 14.3)
Eastern Macedonia and Thrace	5.1 (1.9 - 13.1)	5.6 (2.2 - 18.3)
Azores	7.7 (1.0 - ∞)	20.1 (2.7 - ∞)
Madeira	3.6 (2.0 - 7.4)	4.8 (2.4 - 12.4)

Table S3: List of regions with the largest differences between PRT and PRM

<i>Region</i>	<i>PRT</i>	<i>PRM</i>
La Rioja	6,827.8 (12.8 – ∞)	8.9 (1.5 – ∞)
Aragon	∞ (1078.8 – ∞)	1,769.3 (21.7 – ∞)
Madrid	∞ (322.2 – ∞)	1,504.2 (35.6 – ∞)
Castilla y Leon	251,819.2 (1.6 – ∞)	58.3 (4.7 – ∞)
Castilla – La Mancha	∞ (714.7 – ∞)	1,508.2 (26.1 – ∞)
Catalonia	4,219.7 (30.7 – ∞)	28.5 (3.8 – 2,647.3)
Balearic Island	16,252.1 (106.2 – ∞)	125.2 (10.4 – 9,028,308)
Melilla	∞ (71.1 – ∞)	4.7 (1 – 60.4)

Table S4: List of ten regions with the PRMs

<i>Region</i>	<i>Country</i>	<i>PRMs</i>
Aragon	Spain	1,769.3 (23.1 - ∞)
Castilla – La Mancha	Spain	1,508.3 (28.8 - ∞)
Madrid	Spain	1,504.3 (37.8 - ∞)
Lazio	Italy	198.6 (10.1 - ∞)
Baleares	Spain	125.2 (10.7 – 9,028,307.9)
Campania	Italy	115.7 (8.1 - ∞)
Lombardia	Italy	98.4 (11.7 - ∞)
Veneto	Italy	85.9 (14.2 – 17,734.8)
Friuli-Venezia Giulia	Italy	79.7 (10.6 – 56,084.5)
Valencia	Spain	76.3 (8.4 - ∞)

