

Erratum to: EURO-CORDEX: new high-resolution climate change projections for European impact research

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The author would like to correct the errors in the publication of the original article. The corrected details are given below for your reading.

In result section, third sentence of the fourth paragraph should read as:

“The zone between regions in which precipitation increases in the north and decreases in the south shifts northwards in summer and southwards in winter”

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The ranges in Table 3 should be:

Cold spell duration index, Max, Continental, RCP8.5 from -6 to -8 .

Annual total precipitation, Min, Southern, RCP4.5 from -11 to 2 .

Annual total precipitation, Max, Southern, RCP4.5 from 2 to -11 .

The correct Table 3 is given in the following page.

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Table 3 Projected changes of selected climate parameters and indices for 2071–2100 with respect to 1971–2000 spatially averaged for European sub-regions based on RCP4.5 and RCP8.5

Scenarios	Climate parameters	Measure	Alpine		Atlantic		Continental		Northern		Southern	
			RCP 4.5	RCP 8.5	RCP 4.5	RCP 8.5	RCP 4.5	RCP 8.5	RCP 4.5	RCP 8.5	RCP 4.5	RCP 8.5
2071–2100 minus 1971–2000	Mean annual temperature in K	Median	2.4	4.6	1.7	3.2	2.1	4.1	2.9	5.2	2.0	4.2
		Min	1.8	3.8	1.3	2.5	1.6	3.6	2.0	4.1	1.9	3.8
	Likely in the range		1.9–3.4	3.9–6.0	1.4–2.1	2.7–3.6	1.6–3.2	3.7–5.2	2.0–4.2	4.1–6.2	1.9–2.7	3.9–5.4
		Max	3.6	6.3	2.9	4.2	3.2	5.3	4.3	6.5	3.2	5.7
	Frost days (1) per year	Median	-40	-70	-28	-40	-34	-62	-40	-68	-22	-43
		Min	-25	-55	-12	-21	-16	-46	-24	-58	-10	-22
	Likely in the range		-26 to -41	-57 to -85	-15 to -30	-26 to -50	-18 to -40	-50 to -65	-26 to -43	-60 to -83	-11 to -30	-23 to -51
		Max	-47	-93	-33	-60	-41	-73	-52	-93	-31	-51
	Summer days (2) per year	Median	8	19	11	24	20	37	4	13	27	54
		Min	3	10	6	17	11	27	2	5	21	43
	Likely in the range		4–14	12–24	6–14	22–28	13–24	30–46	2–16	6–22	25–33	46–60
		Max	18	25	33	38	28	49	23	28	37	67
Tropical nights (4) per year	Median	1	4	3	7	9	22	1	1	20	45	
	Min	0	1	0	3	2	11	0	0	7	23	
Likely in the range		1–3	2–5	1–5	3–12	9–27	17–31	0–5	1–3	11–24	25–57	
	Max	8	6	18	17	30	37	7	13	41	58	
Growing season length (5) days per growing season	Median	31	61	39	58	26	58	23	55	27	49	
	Min	23	52	24	41	17	52	17	37	16	34	
Likely in the range		23–39	52–83	27–43	47–68	20–38	53–71	19–33	41–60	17–33	38–53	
	Max	45	95	45	75	41	75	42	78	38	58	
Warm spell duration index (14) days per year	Median	34	96	20	65	23	73	35	82	34	124	
	Min	26	73	17	46	16	52	22	64	28	90	
Likely in the range		29–55	77–136	20–31	49–87	18–42	58–93	23–42	75–113	32–69	98–177	
	Max	69	162	55	102	54	106	63	130	83	186	
Cold spell duration index (15) days per year	Median	-5	-5	-5	-5	-6	-6	-7	-6	-5	-5	
	Min	-3	-3	-2	-4	-3	-5	-4	-4	-3	-4	
Likely in the range		-4 to -7	-4 to -6	-3 to -6	-4 to -5	-4 to -7	-5 to -8	-6 to -8	-5 to -7	-3 to -5	-4 to -5	
	Max	-7	-6	-6	-6	-7	-8	-8	-8	-6	-6	
Annual total precipitation (27) in %	Median	5	14	1	4	9	10	10	22	-6	-10	
	Min	3	5	-1	-2	0	0	7	18	2	0	
Likely in the range		4 to 8	7 to 16	-1 to 7	2 to 9	1 to 13	4 to 19	8 to 17	19 to 32	-10 to 0	-21 to -2	
	Max	12	18	9	9	16	29	22	34	-11	-27	
Annual total precipitation where RR >99p of 1971/2000 (26) in %	Median	38	79	36	71	44	65	43	82	36	49	
	Min	24	41	20	48	17	37	27	64	23	30	
Likely in the range		25–60	44–105	25–70	49–105	33–60	44–75	28–65	66–110	31–57	38–58	
	Max	73	119	73	118	73	106	70	120	62	65	

Numbers are based on 8 (RCP4.5) and 9 (RCP8.5) regional model simulations. The likely range defines the range of 66 % of all projected changes around the ensemble median