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**Article:**

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1 **CORRIGENDUM: Title page**

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1 **Title**

2 **CORRIGENDUM:**

3 Estimating and tracking the remaining carbon budget for stringent climate targets

4 **Text**

5 **Correction** – A mistake was identified in the description of the example provided in Box 2 of  
6 the main text in ref. 1. The sentence “It is derived as the average over four observational datasets  
7 (0.87 °C), corrected for by the ratio between surface air temperature and blended temperatures  
8 (surface air temperature over land and sea-ice regions combined with sea surface temperature  
9 over open ocean) informed by models” should be replaced by “It is derived by correcting the  
10 estimate of a global dataset<sup>60</sup> by the ratio between global surface air temperature and blended  
11 temperatures (surface air temperature over land and sea-ice regions combined with sea surface  
12 temperature over open ocean) with incomplete coverage, as informed by models”, with  
13 superscript 60 referring to ref. 60 in the original manuscript.

14 Furthermore, the caption of Supplementary Table 1 should refer to Figure 2 instead of the non-  
15 existing Figure 3, and “until 2015” should be replaced by “until 2006–2015” in the third column  
16 of the rows numbered 1 to 4 in Supplementary Table 1.

17 The authors thank Dave Clarke for identifying and reporting these issues. These corrections have  
18 no further implications for the findings, conclusions, or discussion presented in the paper.

19

20 **Clarification** – To clarify how values in Box 2 combine to provide the reported remaining  
21 carbon budget estimates, we here additionally report unrounded values of the various terms that  
22 after insertion into Equation 1 result in the values reported in Box 2 (see Table 1).

1 **Table 1 | Unrounded values underlying remaining carbon budget estimates reported in**

2 **Box 2 of the original manuscript.** To be combined with Equation 1 in the original manuscript.

<b>Remaining carbon budget for</b>	<b>T<sub>lim</sub></b>	<b>T<sub>hist</sub></b>	<b>T<sub>nonCO2</sub></b>	<b>T<sub>ZEC</sub></b>	<b>TCRE</b>	<b>E<sub>Esfb</sub></b>
	°C	°C	°C	°C	°C / TtCO <sub>2</sub>	GtCO <sub>2</sub>
33 <sup>rd</sup> percentile TCRE	1.5	0.97	0.1366	0	0.3483	100
50 <sup>th</sup> percentile TCRE	1.5	0.97	0.1366	0	0.4503	100
67 <sup>th</sup> percentile TCRE	1.5	0.97	0.1366	0	0.5524	100
33 <sup>rd</sup> percentile TCRE	2.0	0.97	0.2221	0	0.3483	100
50 <sup>th</sup> percentile TCRE	2.0	0.97	0.2221	0	0.4503	100
67 <sup>th</sup> percentile TCRE	2.0	0.97	0.2221	0	0.5524	100

3

4

5 **Reference**

6 1 Rogelj, J., Forster, P. M., Kriegler, E., Smith, C. J. & Séférian, R. Estimating and  
7 tracking the remaining carbon budget for stringent climate targets. *Nature* **571**, 335-342,  
8 doi:10.1038/s41586-019-1368-z (2019).

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