

## Errata list

### Cover story

- P32: 5<sup>th</sup> line from the top, “global models” -> “global climate models”.
- P33: 4<sup>th</sup> from the top “(... Equations (25-26...))” should be “(...Equations (26-27...))”; the bottom line “Equation (27)” should be “Equation (25)”.
- P35: the 1<sup>st</sup> line under Eq. (5) “Equation (39)” should be “Equation (36)”; the 6<sup>th</sup> line from the bottom “and human carrying capacities” should be “carrying capacity”.
- P37: end paragraph “(Figure 9-11)” should be “(Figure 9, 12-13)”.
- P38: 6<sup>th</sup> line from bottom, “the end of” should be removed.
- P40: 4<sup>th</sup> line in the 2<sup>nd</sup> paragraph, “12A” should be “12” and “Figure 12B” should be “Figure 13”.
- P41: 4<sup>th</sup> line from the top, “12B” should be “13”.
- P47: 2<sup>nd</sup> line in the last paragraph, “per km<sup>2</sup>” should be removed.
- P48: Figure 18A in the colour scale label, “per km<sup>2</sup>” should be removed.
- P49: 5<sup>th</sup> line in the 2<sup>nd</sup> paragraph from the bottom, 1<sup>st</sup> and 3<sup>rd</sup> lines in the last paragraph from the bottom, “density” should be “potential”; 2<sup>nd</sup> line from the bottom of the page, “climate capacity” should be “abundance potential”.
- P50: Figure 19 title “Vector density” should be “Vector abundance potential”; in the caption “density” should be “potential”.
- P55: 3<sup>rd</sup> line in the last paragraph, “hectare” should be “100 meter”; 6<sup>th</sup> line “density” should be “potential”.
- P57: 4<sup>th</sup> line in the 4<sup>th</sup> paragraph, “levels” should be “level”.
- P61: 4<sup>th</sup> line in the 3<sup>rd</sup> paragraph, “density” should be “potential”.
- P93: 4<sup>th</sup> line under the Fig.2, “egg-to-lava” should be “egg-to-larva”; Eq. (22) has an error in the first term and the corrected one is:  

$$\frac{dP}{dt} = \sigma_1 L - \mu_p P - \sigma_p P .$$
- P95: Table 2, two mosquito models are used and some of the units and equations are different in the two models – Model A (climate driven) and Model B (climate, GDP and human population driven):

- **Unit** for  $L(t)$ ,  $P(t)$  and  $A(t)$  is “[M]/breeding site” in Model A and “[M]/km<sup>2</sup>” in Model B;
- **Unit** for  $d(\rho, g)$  is “breeding site/km<sup>2</sup>”, for  $c(W)$  is “[M]/breeding site”, and for  $C(W, \rho, g)$  is “[M]/km<sup>2</sup>” in Model B;
- In Model A, the **Value or Equations** for  $C(W)$  is “Eq. 27” and the **Unit** is “[M]/breeding site”;
- In Model A, the **Value or Equations** for  $Z_h(A, \rho)$  and  $h(\rho)$  is 1.
- P99: 5<sup>th</sup> line from the bottom, “Eq. (12)” should be “Eq. (32)”.
- P100: 7<sup>th</sup> line from the top, “based on Equation (7)” should be removed.

### Paper 3

- P2: 4<sup>th</sup> line from the top in Abstract. “21th” should be “21<sup>st</sup>”.
- P13: Eq. (2) has an error in the first term. The corrected one is:

$$\frac{dP}{dt} = \sigma_1 L - \mu_p P - \sigma_p P .$$

### Paper 4

- P7: Eq. (2) has an error in the first term. The corrected one is:  

$$\frac{dP}{dt} = \sigma_1 L - \mu_p P - \sigma_p P .$$
- p8: Eq. 5a should be Eq. 5.
- p8: 5<sup>th</sup> line under Eq (6), “based on Equation (7)” should be removed.

### Paper 4 Supplementary Information

- p4: 2<sup>nd</sup> line from the top “Eq. S7” should be “Eq. S5”.
- p5: 2<sup>nd</sup> line from the top “Figure S2A” and “Figure S2B” should be “Figure S2a” and “Figure S2b”; the last line, “Fig. S1b” should be “Fig. S2b”.
- p6: at the end of the second paragraph, “3°C” should be “36°C”.
- p7: in the caption of Figure S3, the optimal temperature should be around “(~32°C...)”.