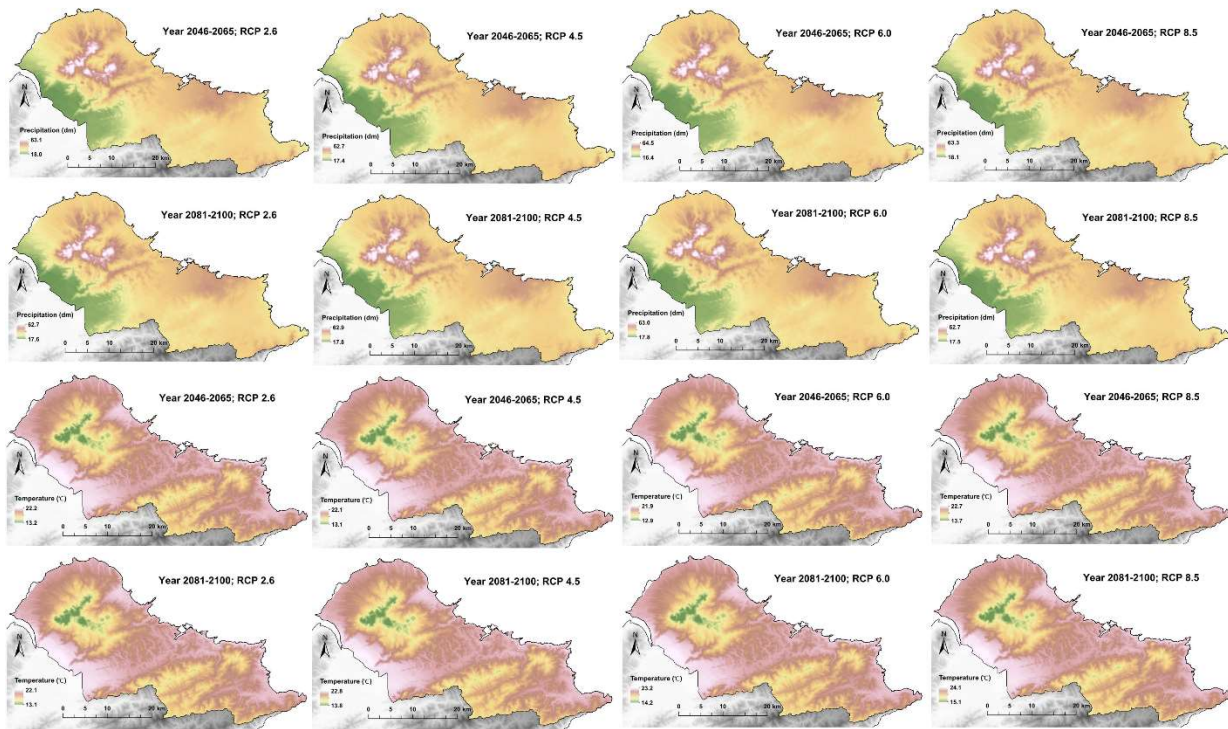


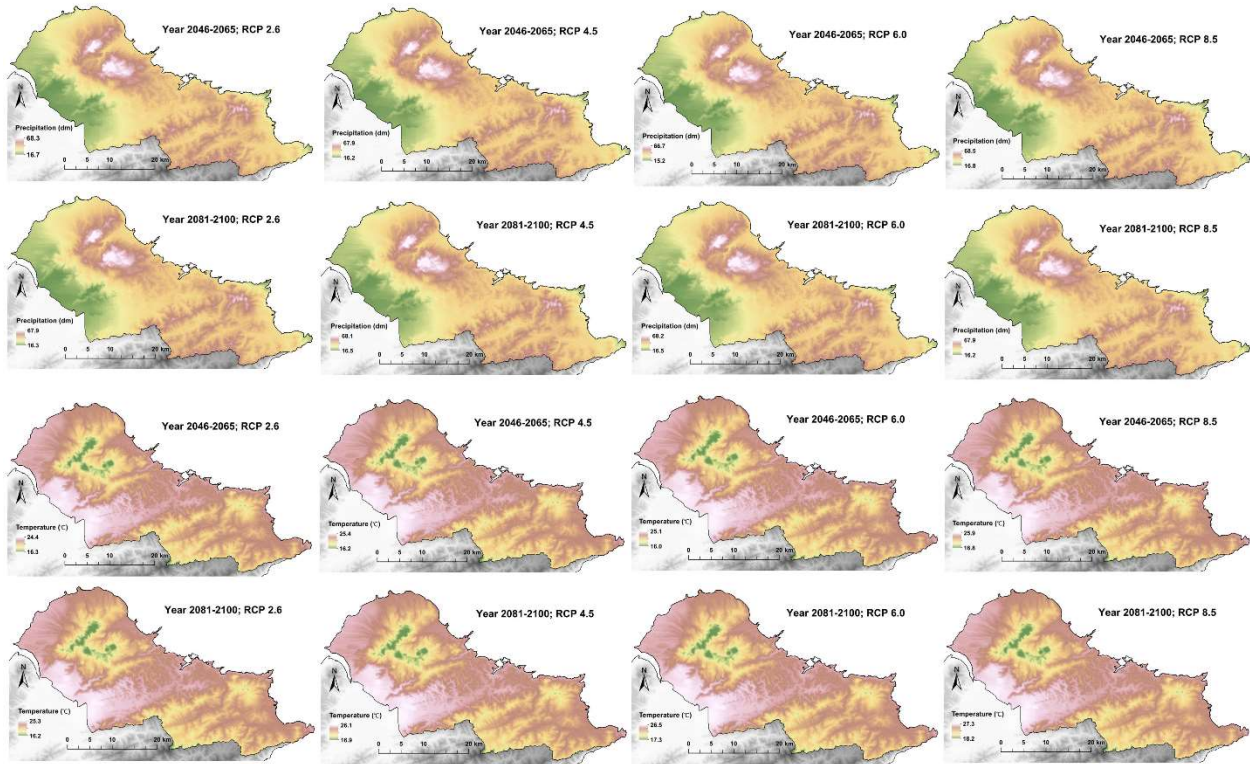


## Supplement

The following supplementary materials are available for this article: Liao, C.-C., Lin, H.-Y., Fan, S.-W. 2023. A statistical method to generate high-resolution climate datasets for modeling plant distribution range and range shifts under climate change in mountainous areas. *Taiwania* 68(1): 8-22. doi: [10.6165/tai.2023.68.8](https://doi.org/10.6165/tai.2023.68.8)



**Fig. S1.** The maps present the future climate scenarios with  $50 \times 50 \text{ m}^2$  spatial resolution at mid (2046-2065) and late (2081-2100) of the 21<sup>st</sup> century. The future climate scenarios based on the gridded climate dataset derived from TCCIP and adding the changing amounts provided by TCCIP. The upper two rows are annual total precipitations and the lower two rows annual mean temperature. TCCIP is the Taiwan Climate Change Projection Information and Adaptation Knowledge Platform.



**Fig. S2.** The maps present the future climate scenarios with  $50 \times 50 \text{ m}^2$  spatial resolution at mid (2046-2065) and late (2081-2100) of the 21<sup>st</sup> century. The future climate scenarios based on the gridded climate data derived from meteorological stations and adding the changing amounts provided by TCCIP. The upper two rows are annual precipitations and the lower two rows annual mean temperature. TCCIP is the Taiwan Climate Change Projection Information and Adaptation Knowledge Platform.