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### On the cover

**Montage featuring Beijing's summer deluge of 2023, the UK's searing heatwave and wildfire of 2022, and the enigmatic Tibetan Plateau. The Climate Science to Service Partnership (CSSP) between China and the UK spans a wide range of climate science and includes observational studies, predictability and climate dynamics, extremes and climate change and the development of climate models and climate services. All of these topics are represented in this special issue.**