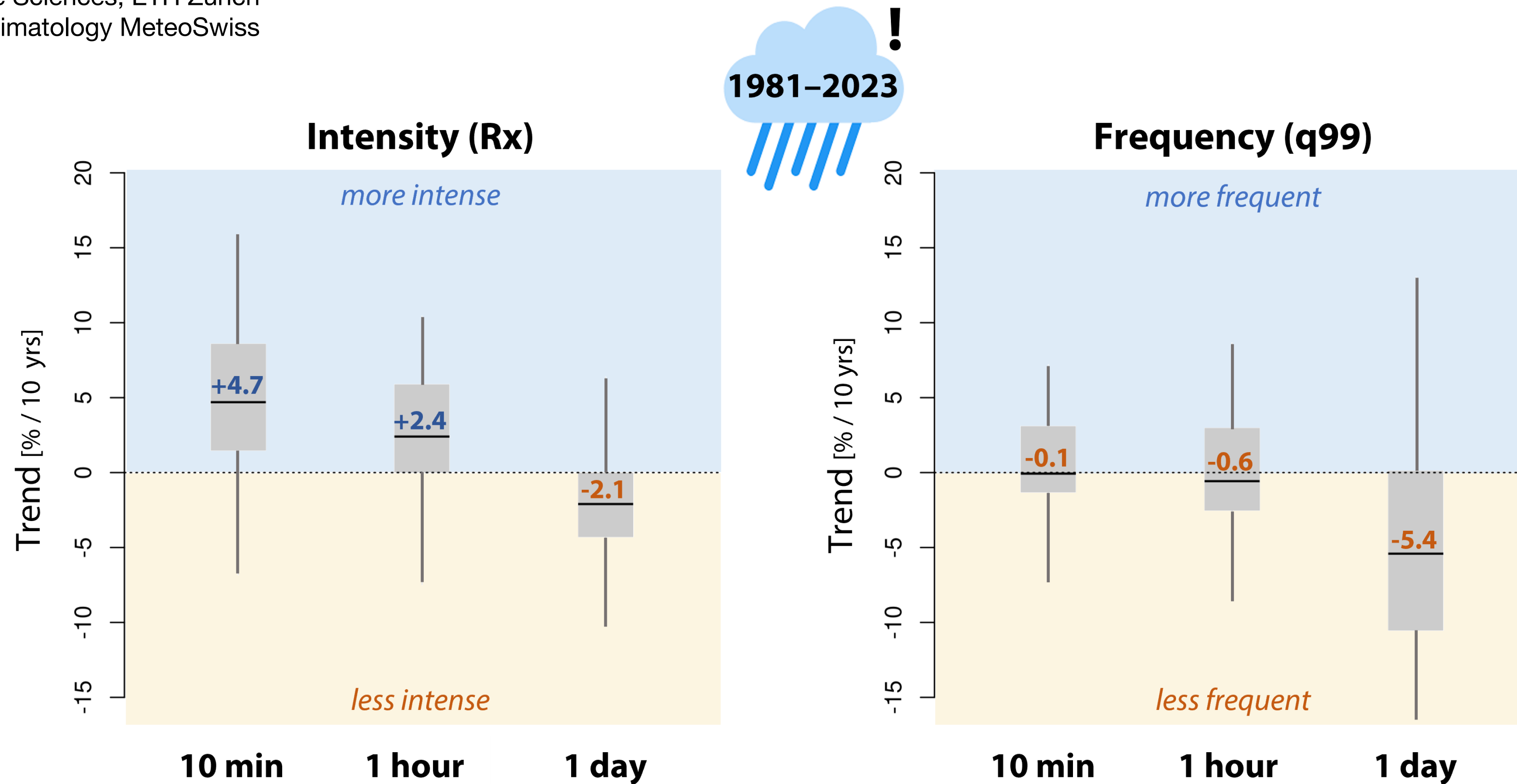


The observed evolution of sub-daily to multi-day heavy precipitation in Switzerland

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Daily and multi-day heavy precipitation intensity and frequency have increased since 1901, mainly driven by anthropogenic climate change. Heavy precipitation peaks in the 1980s and subsequently shows a decrease in daily to multi-day heavy precipitation due to internal variability. Sub-daily summer heavy precipitation intensity has increased since 1981 with no changes in frequency. Trends in heavy precipitation show only small to no elevation dependencies.