

April Global Temperature Update

Almost a year after the strong 2015-2016 El Niño, global mean temperature remains well above the pre-El Niño level. Global temperature with short-term variability removed has been rising about 0.18°C per decades since 1970. Warming of 1.5°C above the 1880-1920 mean will be reached in the early 2040s if this rate is maintained.

The immediate driver for this warming is the planetary energy imbalance. Warming by itself would reduce the imbalance and the warming rate, but continued growth of greenhouse gases maintains the imbalance and the rapid warming rate.

