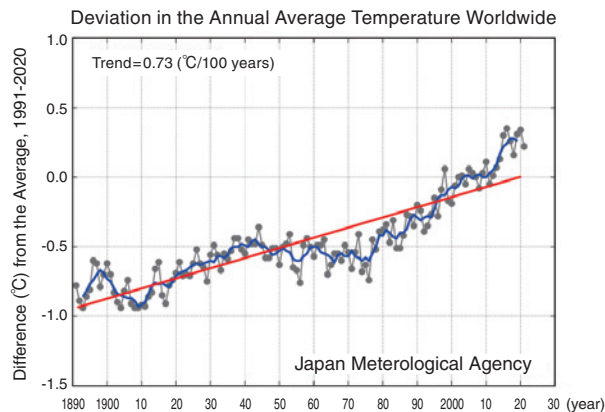


Changes in Average Temperatures

Deviation in the Annual Average Temperature Worldwide (1891 to 2021)



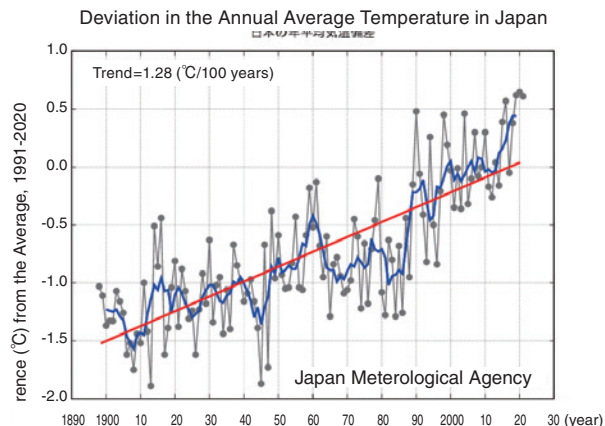
Dotted line (black) : Deviation from the reference value each year (difference from the 1991 to 2020 average)
(Deviation in 2021 was +0.22°C)

Dotted line (blue) : Deviation in the 5-year moving average

Solid line (red) : Long-term trends
(Rising at a rate of about 0.73°C/100 years)

Reference value is the 30-year average from 1991 to 2020.

Deviation in the Annual Average Temperature in Japan (1898 to 2021)



Dotted line (black) : Deviation from the reference value at the 15 observation sites* in Japan
(Average deviation in 2021 was +0.61°C)

Dotted line (blue) : Deviation in the 5-year moving average

Solid line (red) : Long-term trends
(Rising at a rate of about 1.28°C/100 years)

Reference value is the 30-year average from 1991 to 2020.

*The 15 observation sites are in Abashiri, Nemuro, Suttsu, Yamagata, Ishinomaki, Fushiki, Iida, Choshi, Sakai, Hamada, Hikone, Miyazaki, Tadotsu, Naze, Ishigaki.