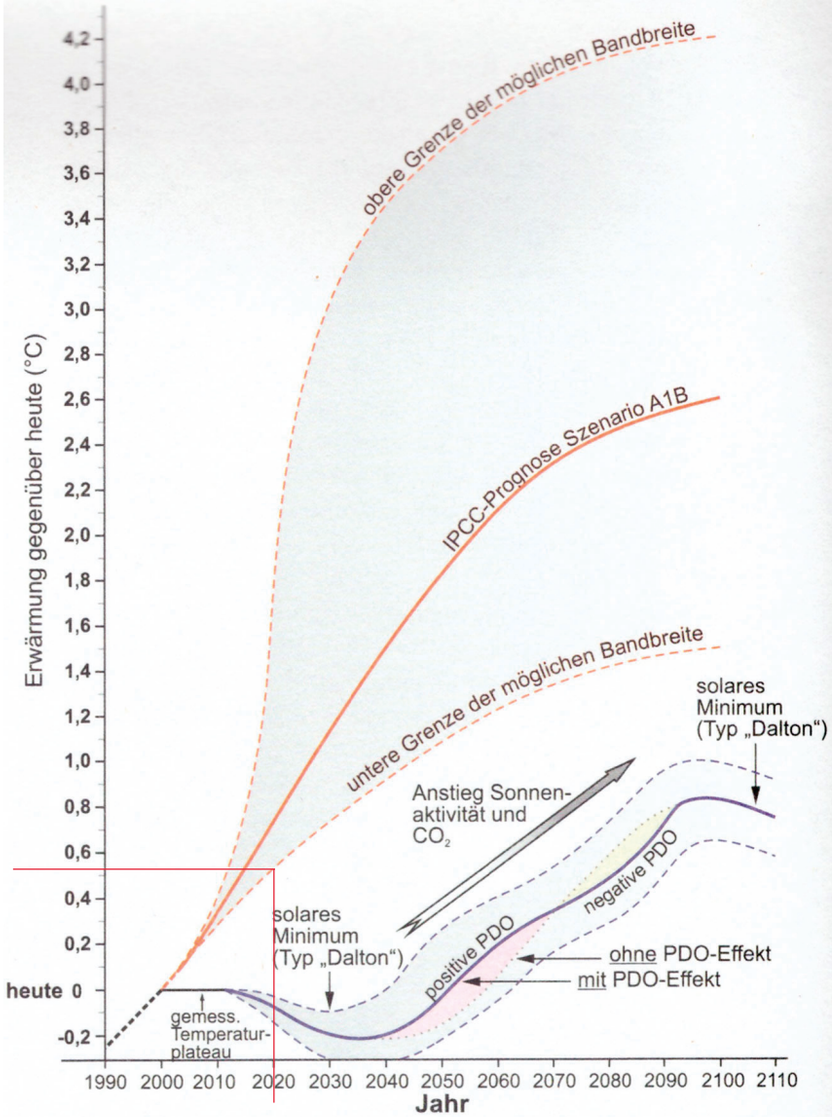
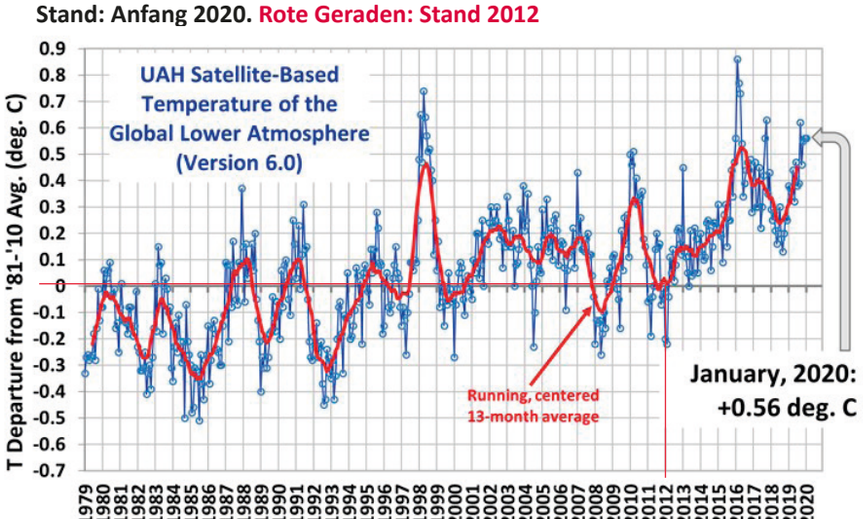


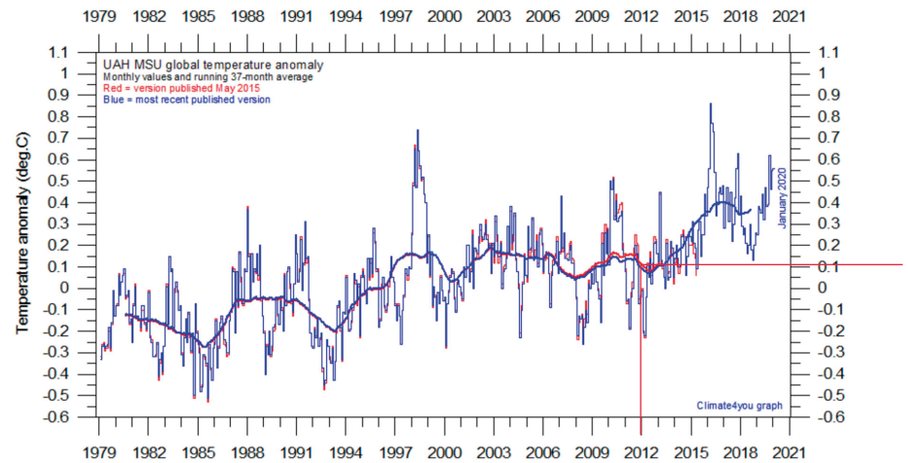
Abb. 72: Unsere schematische Temperaturprognose bis 2100 auf Basis eines Wirkungsgefüges von anthropogenen und natürlichen Klimafaktoren. Als Vergleich ist die aktuelle IPCC-Prognose dargestellt.[178] Die Werte gelten für das IPCC-CO_2-Emissionsszenario A1B.*

318 **Vahrenholt/Lüning 2012, S. 318 (rote Geraden: Stand 2020)**

Globale Durchschnittstemperatur untere Atmosphäre
Stand: Anfang 2020. Rote Geraden: Stand 2012



Quality class 1: Satellite record of recent global air temperature change

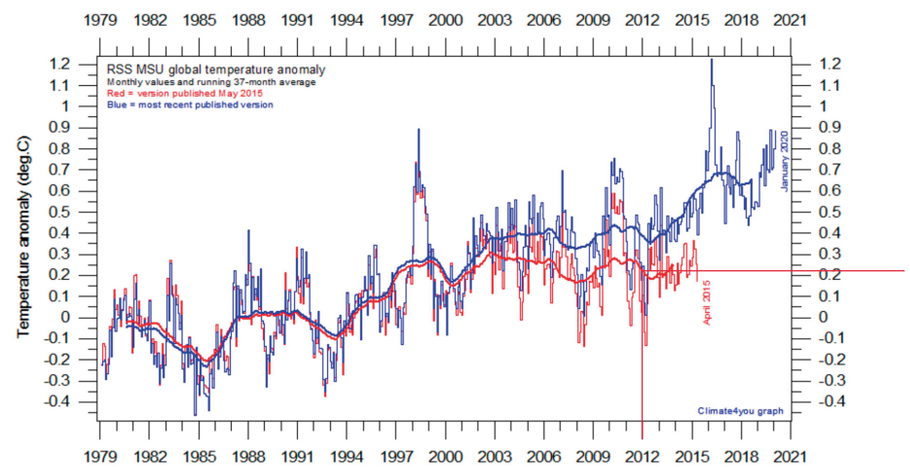


Global monthly average lower troposphere temperature since 1979 according to University of Alabama at Huntsville (UAH), USA. This graph uses data obtained by the National Oceanographic and Atmospheric Administration (NOAA) TIROS-N satellite, interpreted by Dr. Roy Spencer and Dr. John Christy, both at Global Hydrology and Climate Center, University of Alabama at Huntsville, USA. The thick line is the simple running 37 month average, nearly corresponding to a running 3 yr average. The cooling and warming periods directly influenced by the 1991 Mt. Pinatubo volcanic eruption and the 1998 El Niño, respectively, are clearly visible. Reference period 1981-2010. Last month shown: January 2020. Last diagram update: 5 February 2020.

Globale Durchschnittstemperatur
untere Troposphäre
Satelliten, interpretierte Messungen

Stand: Anfang 2020
Grafiken: Climate4you

Rote Geraden: Stand 2012



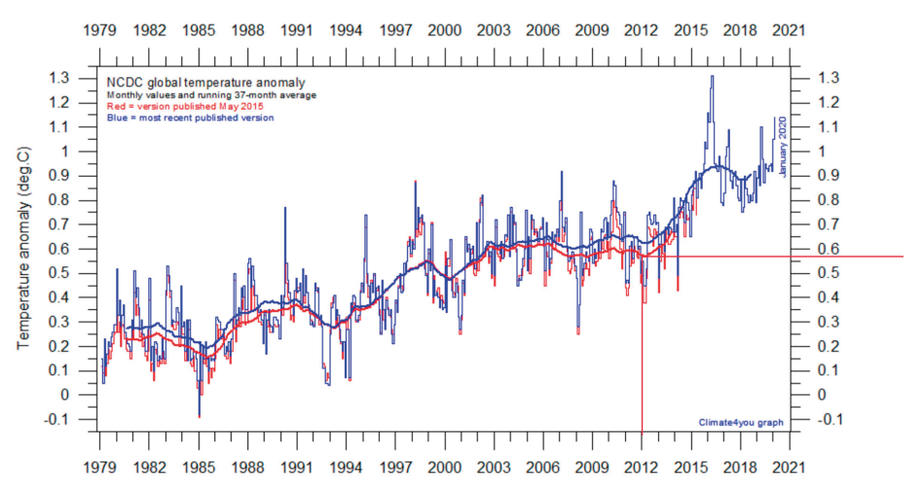
Global monthly average lower troposphere temperature since 1979 according to Remote Sensing Systems (RSS). This graph uses data obtained by the National Oceanographic and Atmospheric Administration (NOAA) TIROS-N satellite, and interpreted by Dr. Carl Mears (RSS). The thick line is the simple running 37 month average, nearly corresponding to a running 3 yr average. The cooling and warming periods directly influenced by the 1991 Mt. Pinatubo volcanic eruption and the 1998 El Niño, respectively, are clearly visible. Click here for a description of RSS MSU data products. Last month shown: January 2020. Last diagram update: 14 February 2020.

Globale Durchschnittstemperatur
untere Troposphäre
Remote Sensing Systems
interpretierte Messungen

Stand: Anfang 2020
Grafiken: Climate4you

Rote Geraden: Stand 2012

Quality class 3: NCDC and GISS surface records of recent global air temperature change



Global monthly average surface air temperature since 1979 according to the National Climatic Data Center (NCDC), USA. This time series is calculated using land surface data from the Global Historical Climatology Network (Version 2) and sea surface temperature anomalies from the United Kingdom MOHSST data set and the NCEP Optimum Interpolated SSTs (Version3; note version change on May 2, 2011). The thick line is the simple running 37 month average, nearly corresponding to a running 3 yr average. Base period: 1901-2000. Last month shown: January 2020. Last diagram update: 16 February 2020.

Globale Durchschnittstemperatur
Erdoberfläche Land und Meer
interpretierte Messungen

Stand: Anfang 2020
Grafiken: Climate4you

Rote Geraden: Stand 2012