Global Energy Policy Research | GEPR

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?? ?? · Tuesday, September 21st, 2021

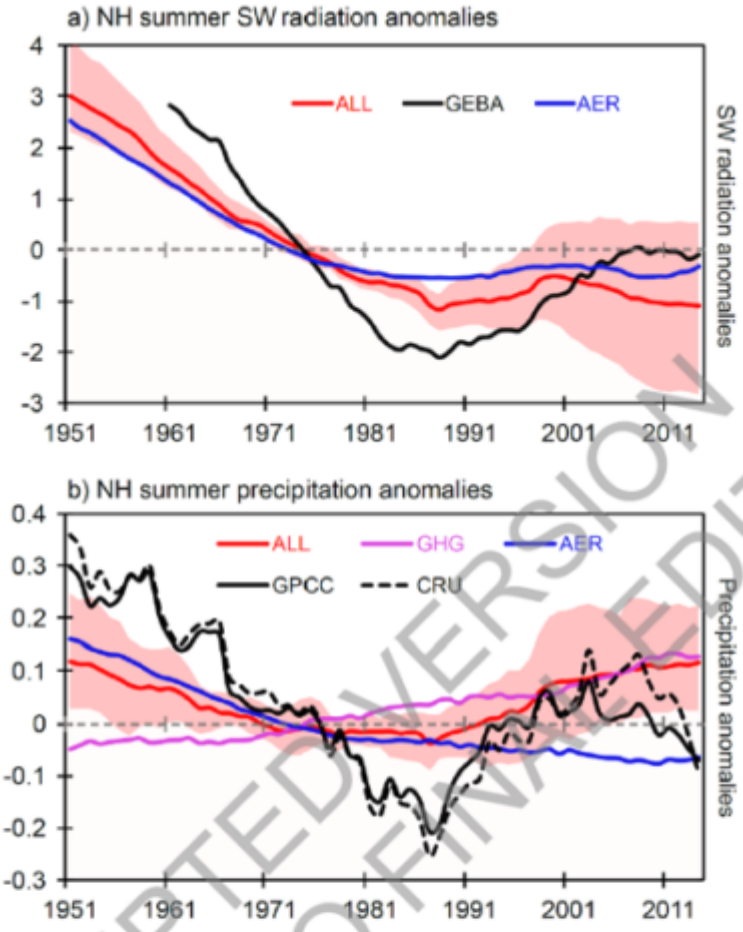
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Julia_Sudnitskaya/iStock

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??????(NH)????5???9????????a)????????W/m^2????1??????????????????b)???(???mm/day????1????mm)????????



Box 8.1, Figure 1: Northern hemisphere surface downward radiation anomalies (Wm^{-2} ; a) and precipitation anomalies (mm/day ; b) for 1951–2014 for summer season (May–September) monsoon region (Polson et al. et al., 2014) from CMIP6 DAMIP experiments. Observed solar radiation anomalies are from GEBA global data from 1961-2014 (Wild et al., 2017) and observed precipitation anomalies are from GPCC and CRU. CMIP6 multi-model mean anomalies are from all-forcings (ALL), greenhouse gas forcing (GHG) and anthropogenic aerosol forcing (AER) experiments. Anomalies are with respect to 1961–1990 and smoothed with a 11-year running mean. Red shading shows the ensemble spread of ALL forcing experiment (5%–95% range). Models are masked to the GPCC data set. Further details on data sources and processing are available in the chapter data table (Table 8.SM.1).

ACCEPTED VERSION
IBPT FOR FINAL EDITING

??????????????????????????1961???1990???????????(anomalies)???????

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????1961?????3 W/m^2?????1980??????-2 W/m^2??????2014???0 W/m^2????????????????????????????CO2????????????????????CO2???????????????2 W/m^2

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????????1951???0.3 mm/day????????1980??????-0.2 mm/day??????????2010??0.5 mm/day???????5???9???150??????75mm??

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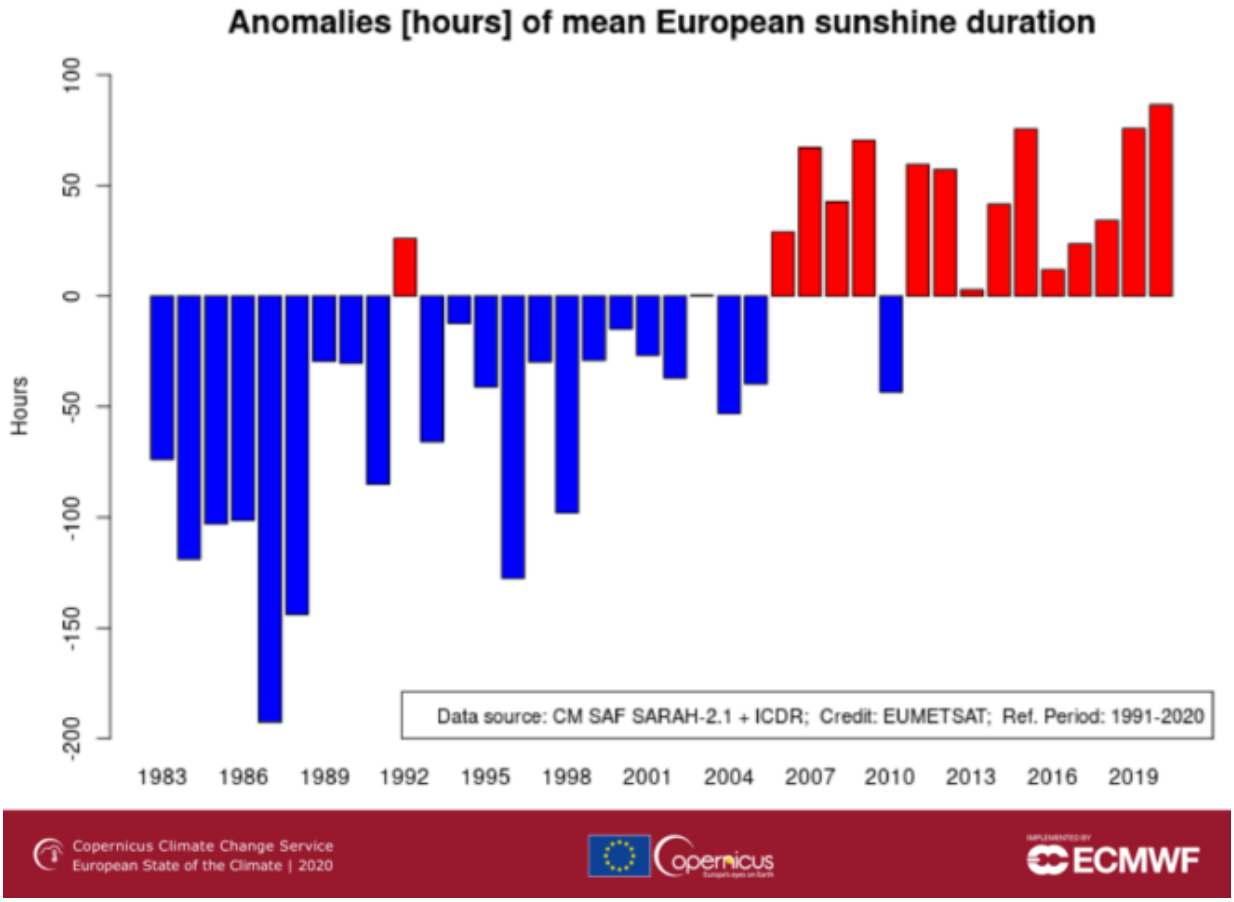
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