



PEMBANGUNAN BERKELANJUTAN

PERTEMUAN 07: Perubahan Iklim



Tim Penyusun MK Pembangunan Berkelanjutan

Perubahan Iklim

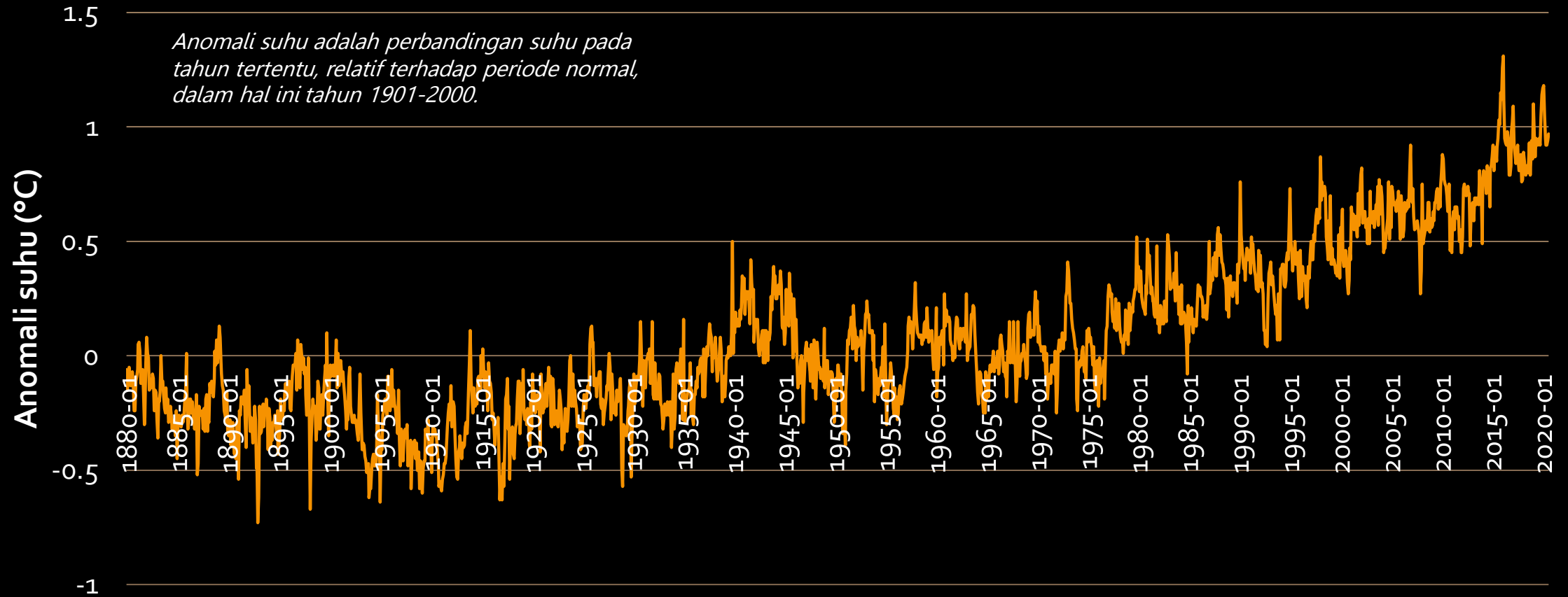
Perubahan Iklim Global Saat Ini

- Pemanasan Global

Perubahan Iklim Lampau

- Paleoklimatologi
- Catatan Suhu Geologi

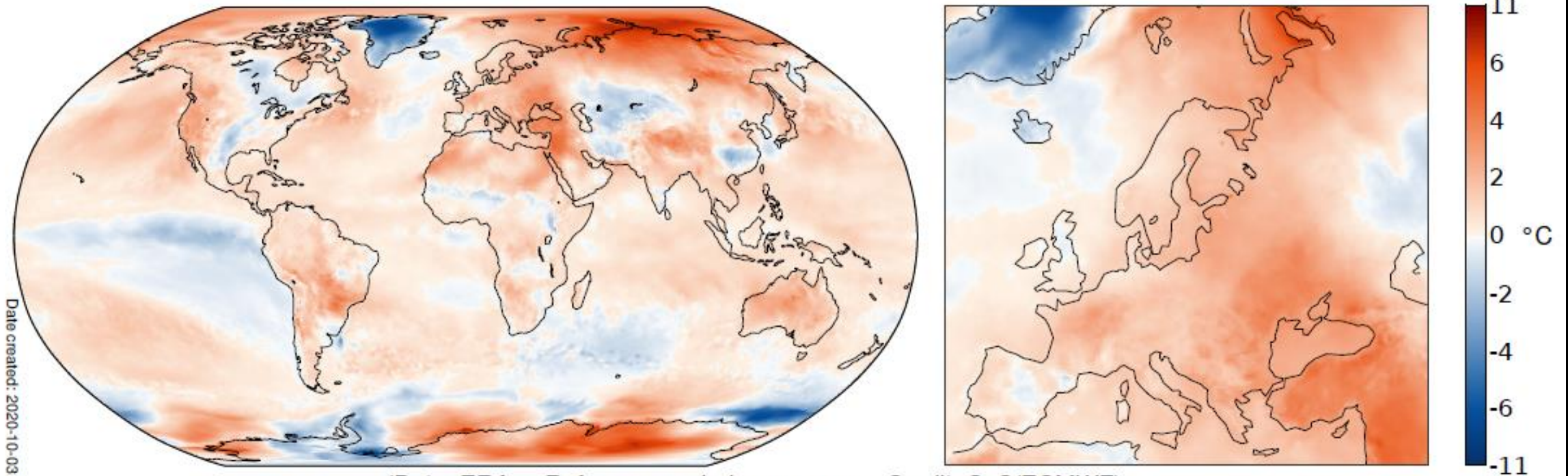
Bagaimana kita mengetahui iklim berubah?



Sumber: National Oceanic and Atmospheric Administration (NOAA)

Bagaimana kita mengetahui iklim berubah?

Surface air temperature anomaly for September 2020

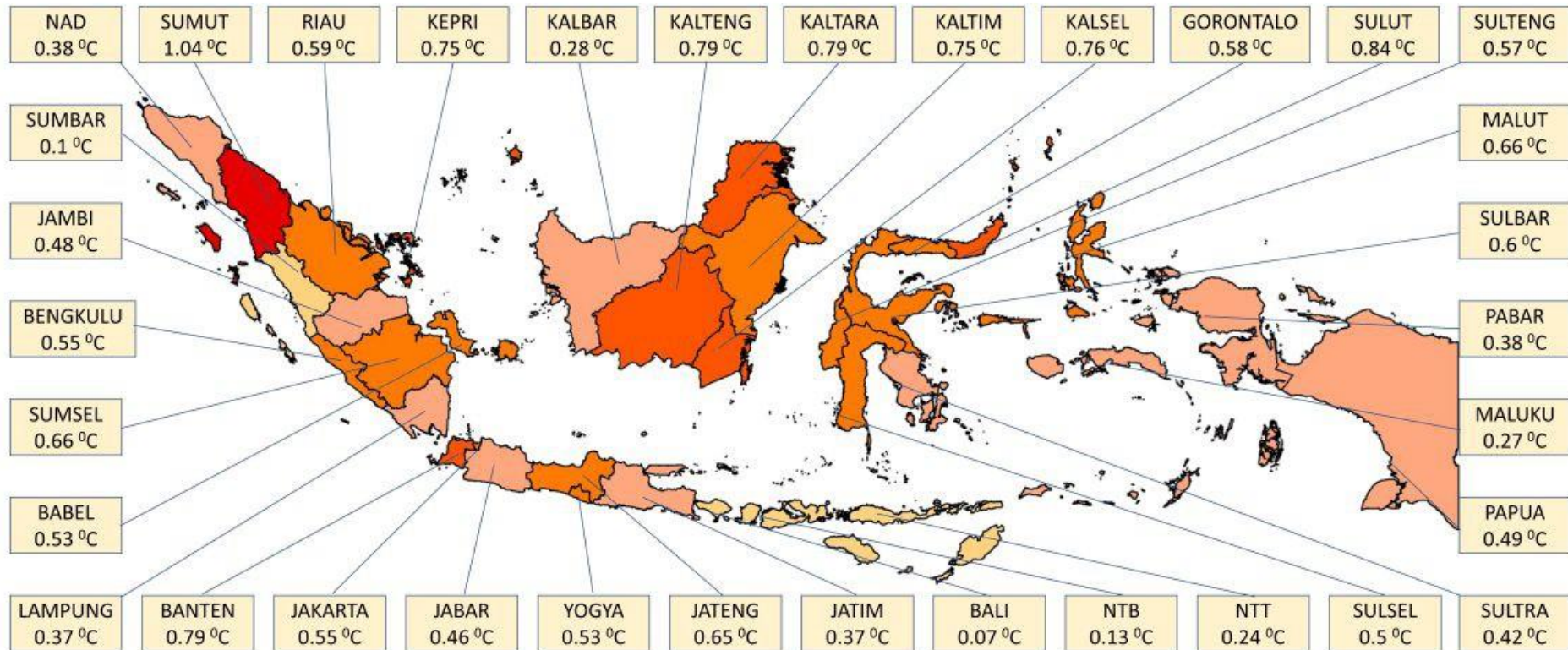


Date created: 2020-10-03

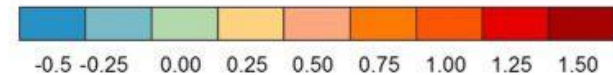
(Data: ERA5. Reference period: 1981-2010. Credit: C3S/ECMWF)



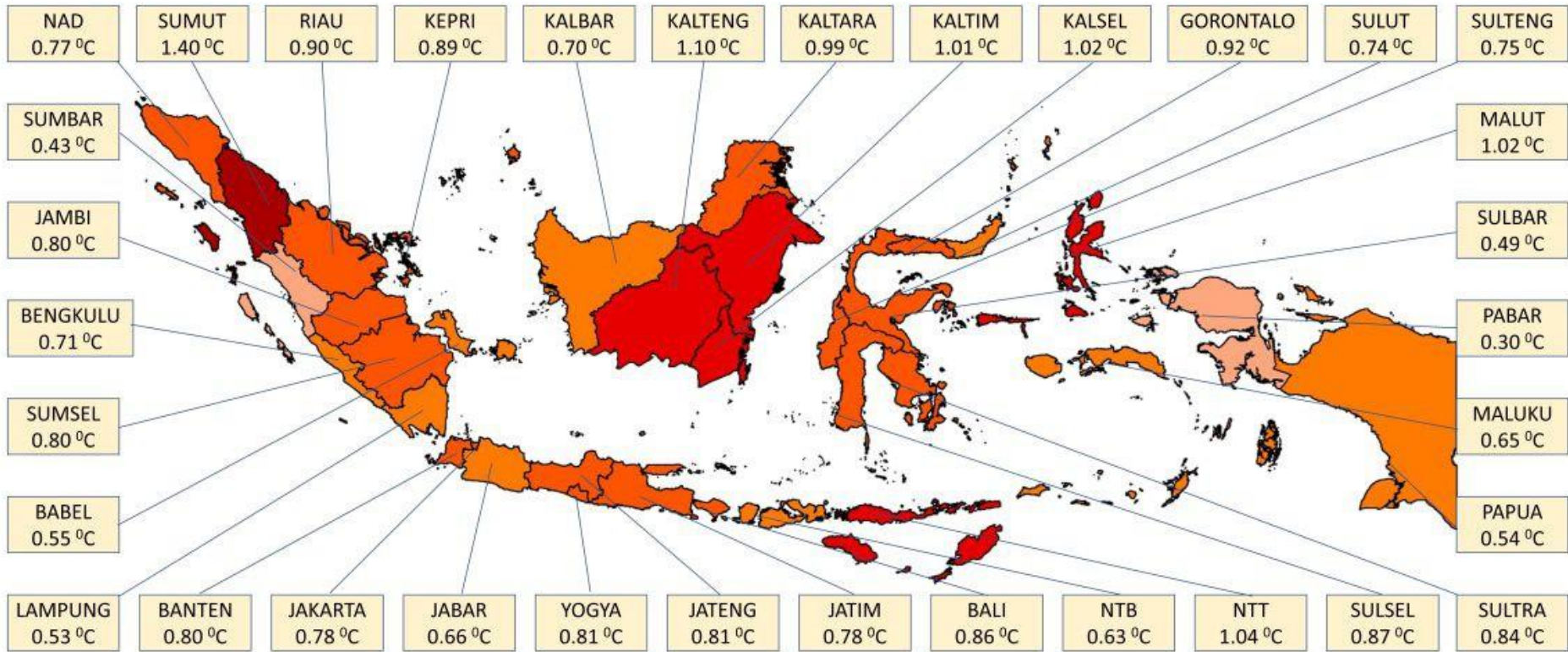
ANOMALI SUHU UDARA TAHUN 2015 TERHADAP NORMAL (1981-2010)



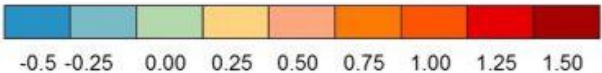
Legenda:



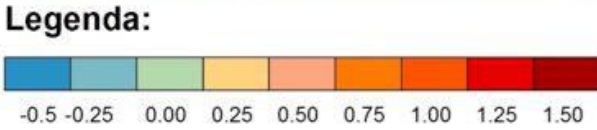
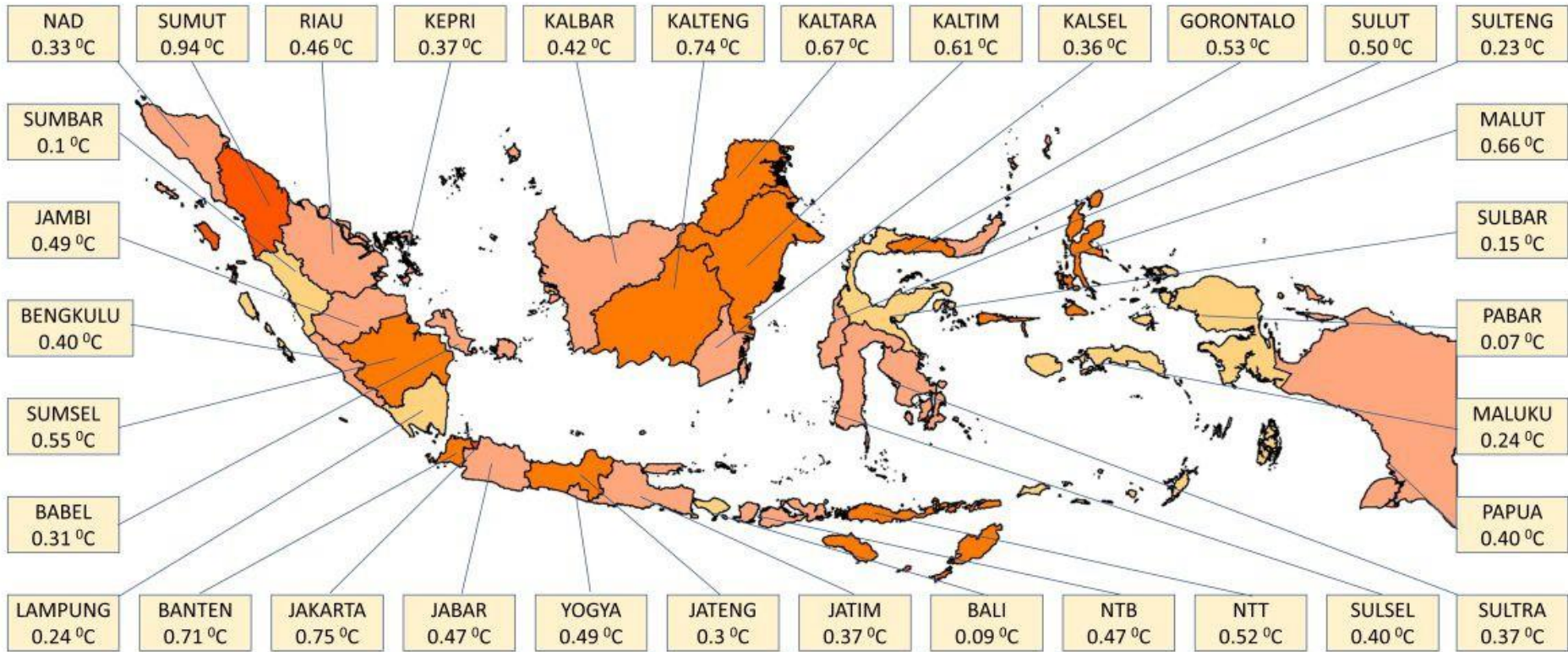
ANOMALI SUHU UDARA TAHUN 2016 TERHADAP NORMAL (1981-2010)



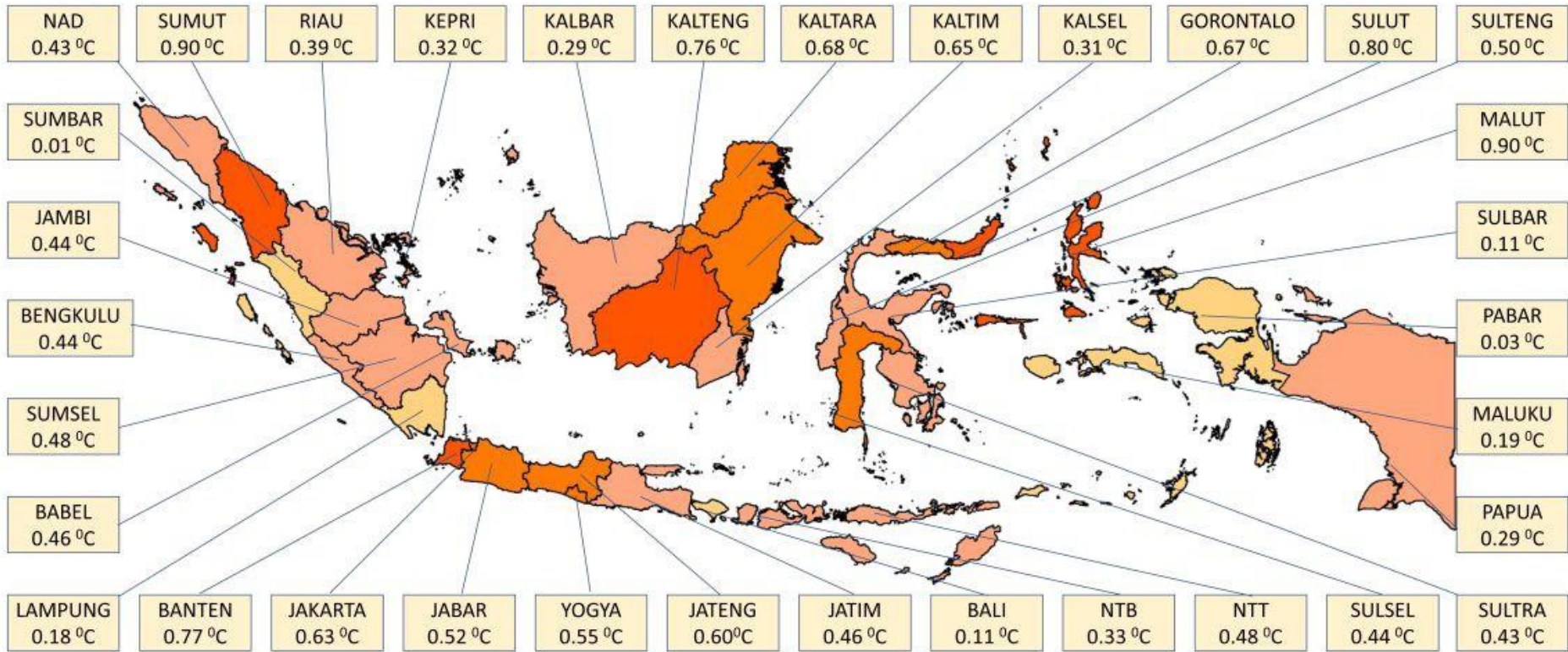
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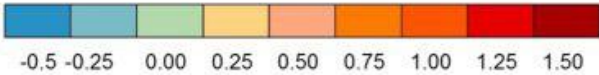
ANOMALI SUHU UDARA TAHUN 2017 TERHADAP NORMAL (1981-2010)



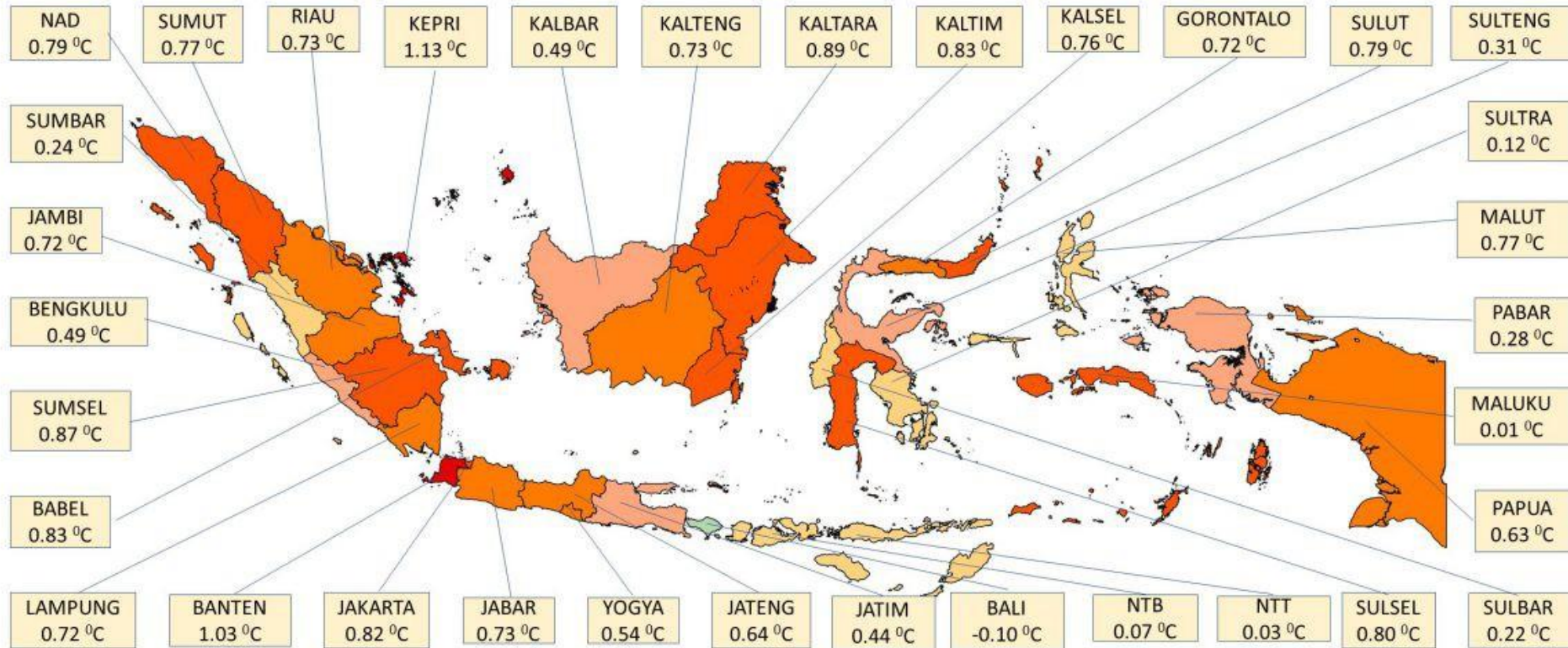
ANOMALI SUHU UDARA TAHUN 2018 TERHADAP NORMAL (1981-2010)



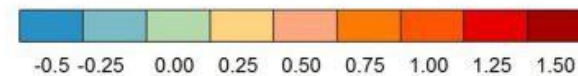
Legenda:



ANOMALI SUHU UDARA TAHUN 2019 TERHADAP NORMAL (1981-2010)



Legenda:



The Greenhouse Effect



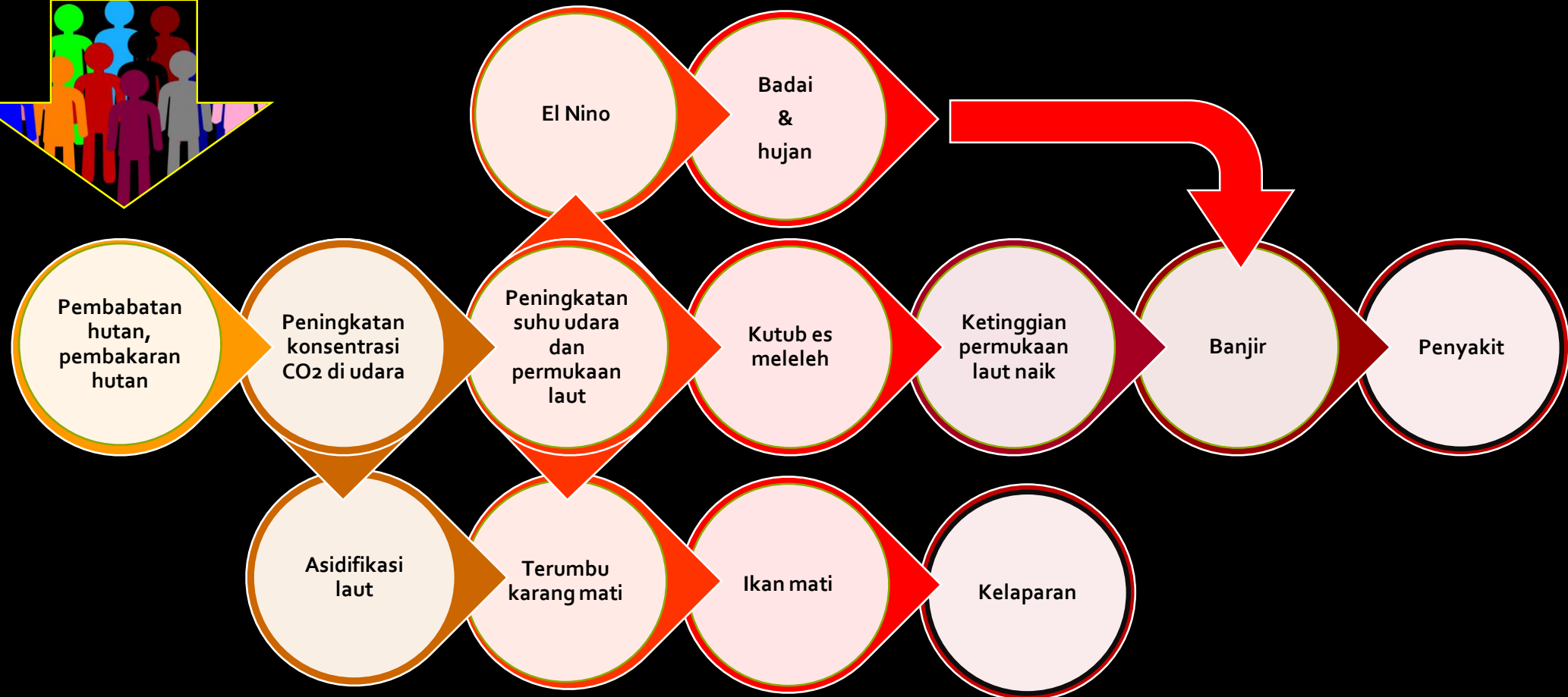
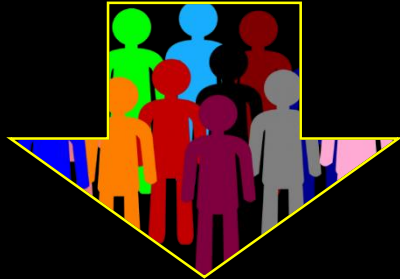
Atmosphere

Sumber: NASA-JPL/Caltech

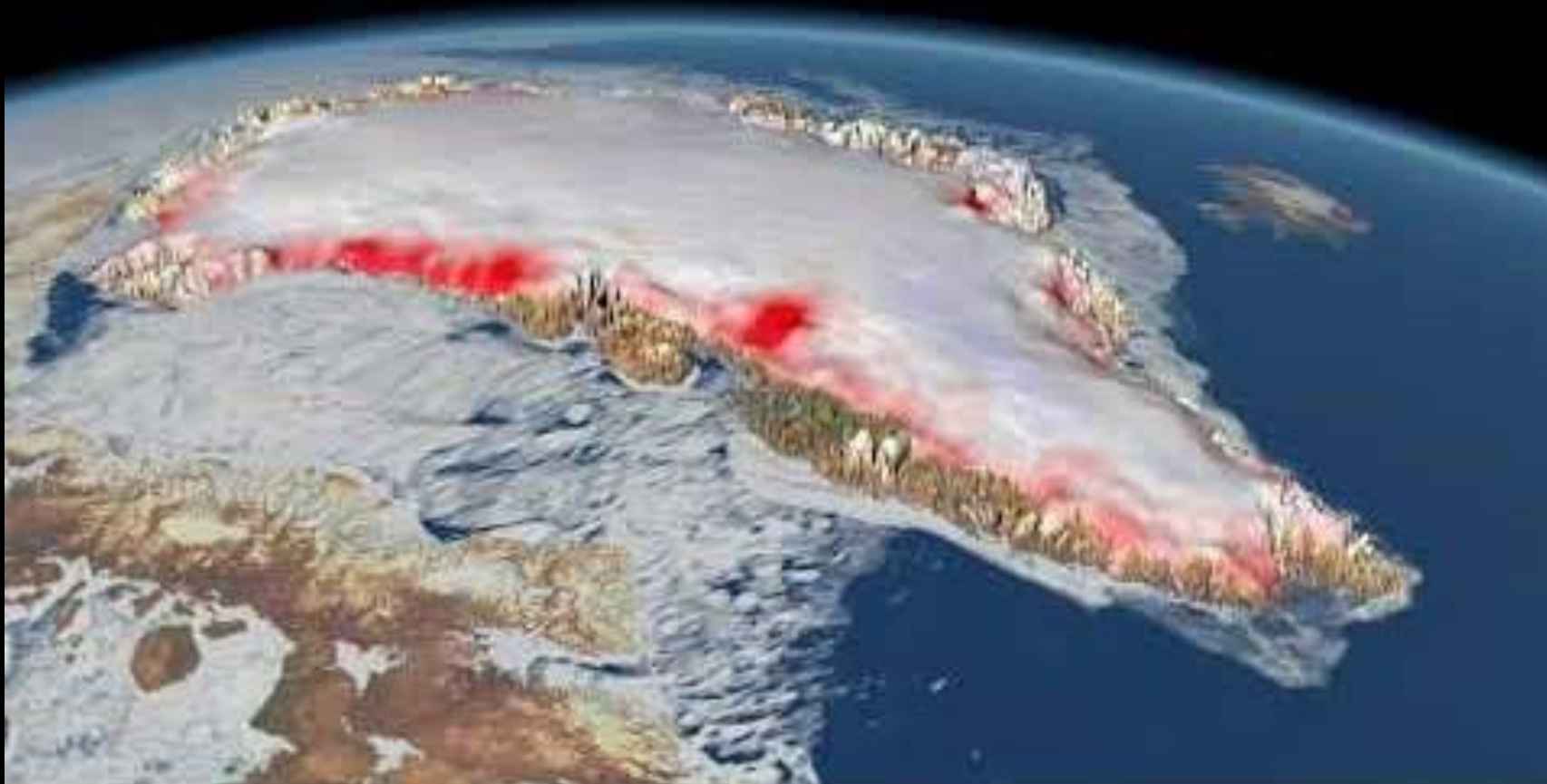
climate.nasa.gov

Penyebab perubahan iklim

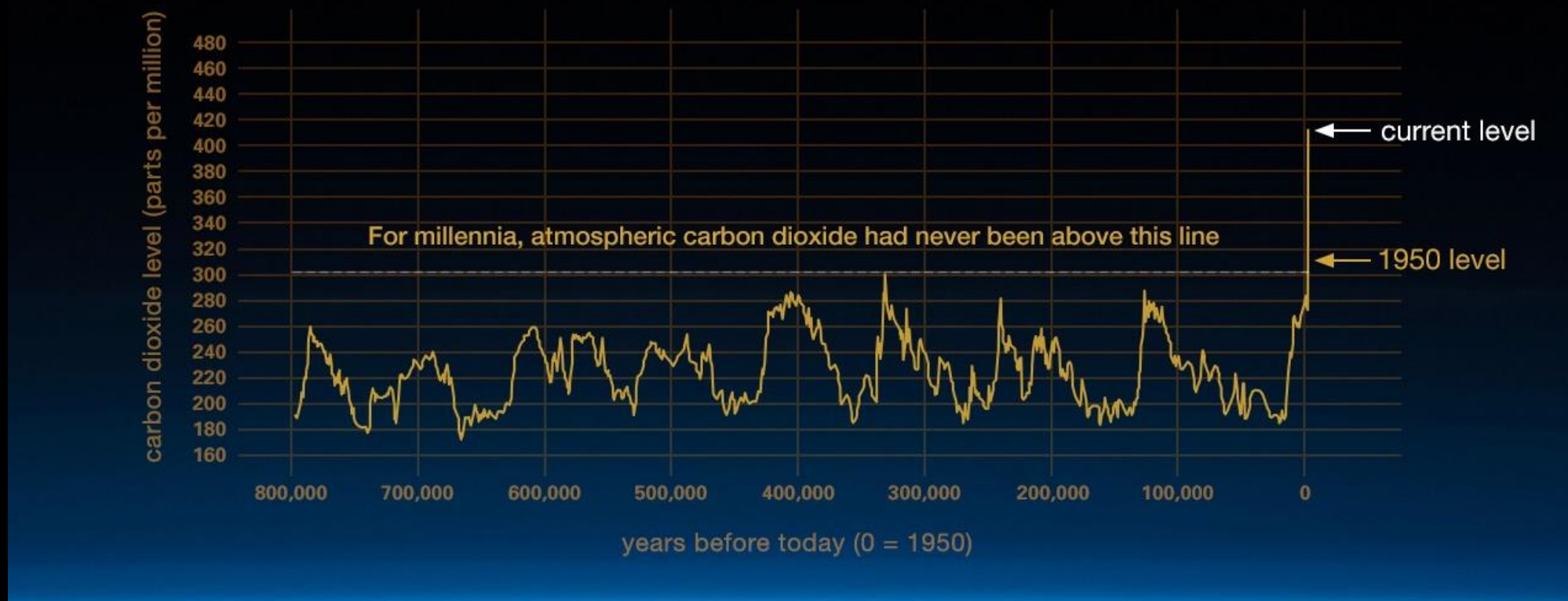
Peningkatan populasi



Mass Balance of the Greenland Ice Sheet From 1992 to 2018

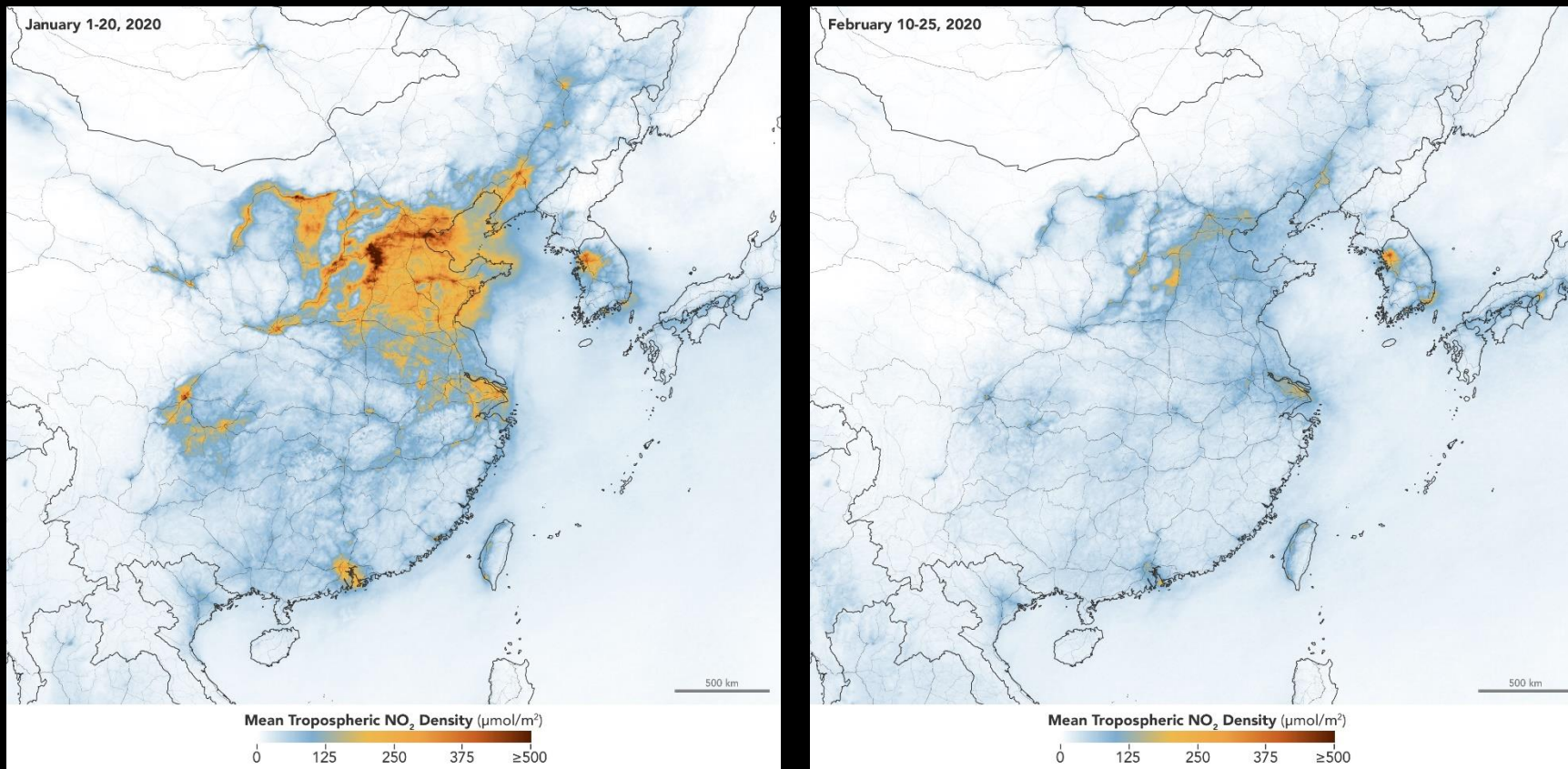


Konsentrasi CO₂ di atmosfer



Sumber: NASA-JPL/Caltech

Kualitas udara Wuhan saat Covid-19



Sumber: Tropospheric Monitoring Instrument (TROPOMI) on ESA's Sentinel-5 satellite.
Image credit: Josh Stevens / NASA Earth Observatory

NASA

TOMONEWS




SUBSCRIBE

<https://www.youtube.com/watch?v=ekL8VTgjFPo>



PBB DORONG G20 SERIUS TANGANI PERUBAHAN IKLIM

<https://www.youtube.com/watch?v=BkgoZITnZgc>

Mitigasi emisi rumah kaca

- Pembatasan pemakaian bahan bakar fosil
- Pemakaian energi terbarukan
- Penangkapan dan penyimpanan karbon
- Reforestasi
- Efisiensi (bangunan hijau, mobil pintar, dll)
- Transportasi umum
- Pembatasan populasi

Materi tambahan

- https://youtu.be/G4H1N_yXBiA - Causes and Effects of Climate Change | National Geographic
- <https://youtu.be/Ok8rMT2KCyo> - Climate Change: It's Real. It's Serious. And it's up to us to Solve it. | National Geographic
- <https://youtu.be/EAmMUIEsN9A> - School strike for climate - save the world by changing the rules | Greta Thunberg | TEDxStockholm
- <https://www.cnnindonesia.com/teknologi/20201019154835-199-560156/mengenal-fenomena-la-nina-dan-el-nino-yang-pengaruh-cuaca-ri>
- <https://youtu.be/TZ0j6kr4ZJ0> - Kiribati: a drowning paradise in the South Pacific | DW Documentary

Tugas

Lihat file "RTM-CPS201-Tugas 1 (c)"



Terima kasih

