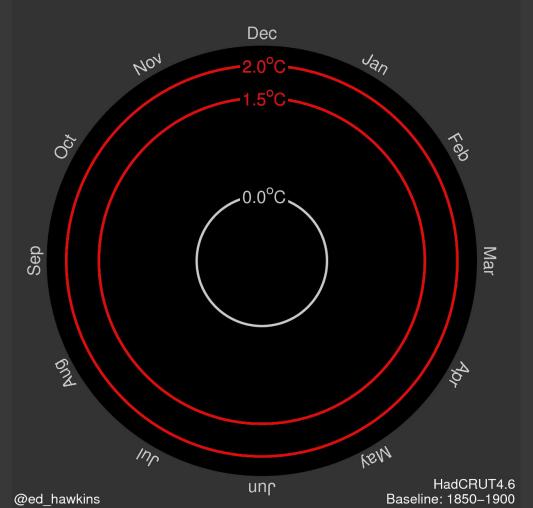
Global temperature change (1850–2017)

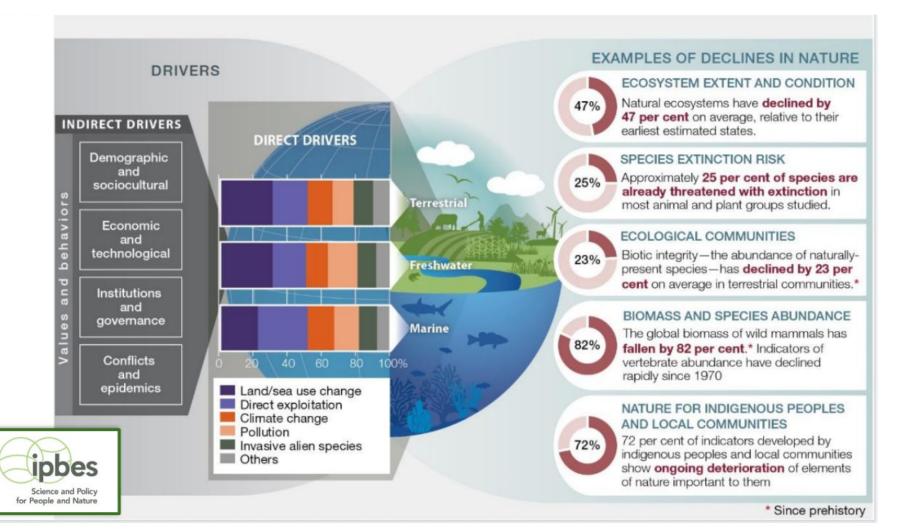




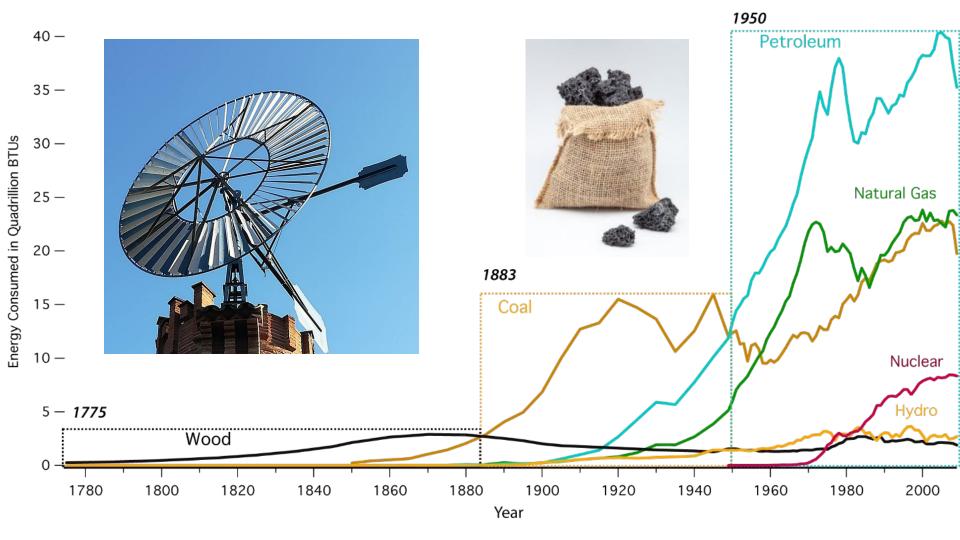
EMERGENCIA CLIMÀTICA

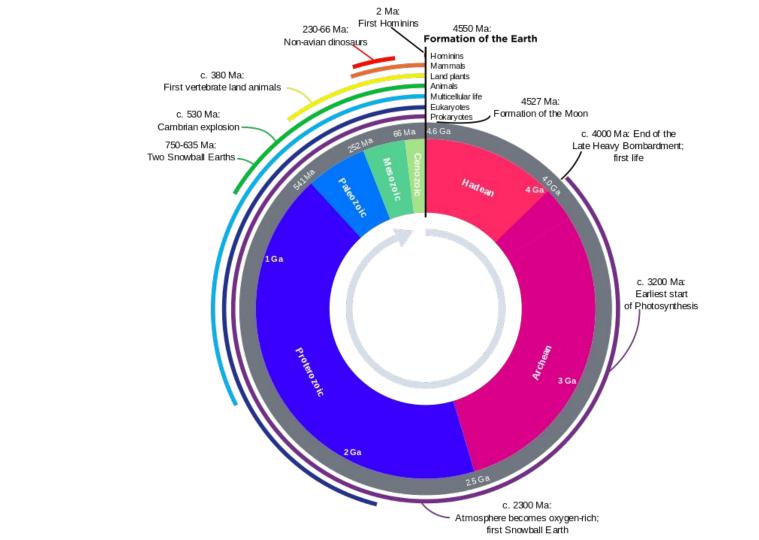
Gabinet d'Innovació i Comunitat

16 de setembre 2019



QUÈ ÉS EL CANVI CLIMÀTIC?

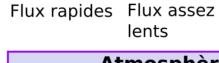


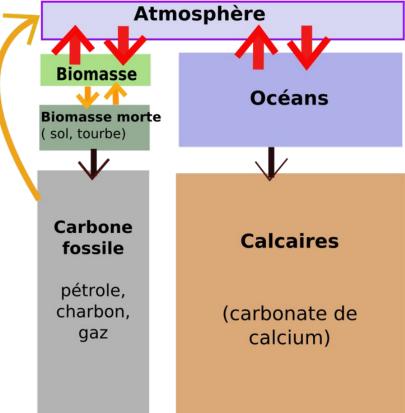


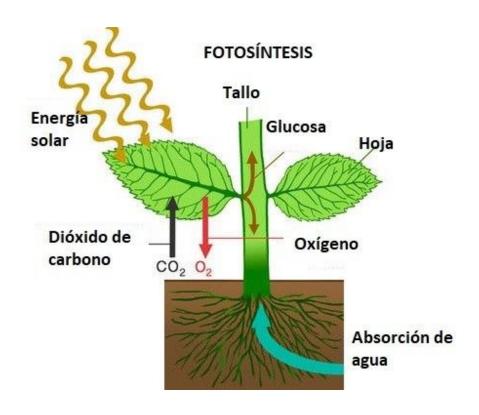




Flux faibles



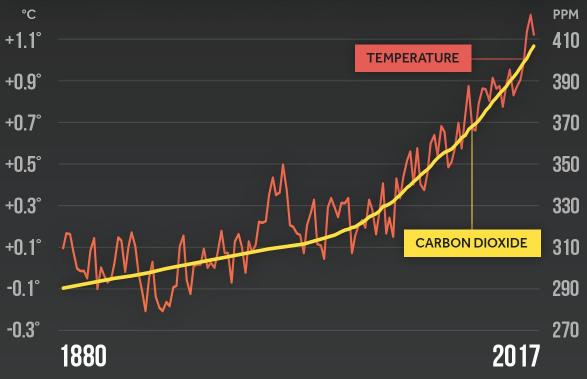




Composite Antarctic CO₂ record (0-800 kyr before present) with current Mauna Loa readings You are here: 350 ~410 ppm 300 150 8 **Natural Variability** Emergence of homo sapiens 100 Data from Lüthi et al. 2008 plus Mauna Loa 2018. Plotted by Peter Gleick 2018 50 700.0 600.0 500.0 400.0 300.0 200.0 100.0 0.0 Thousand years before present (BP)

800.0

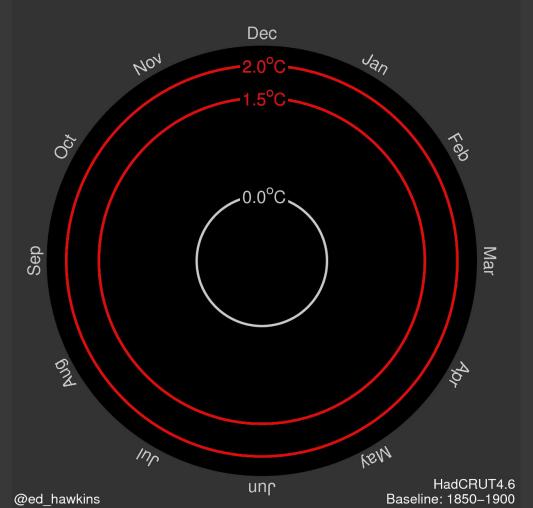
GLOBAL TEMPERATURE & CARBON DIOXIDE



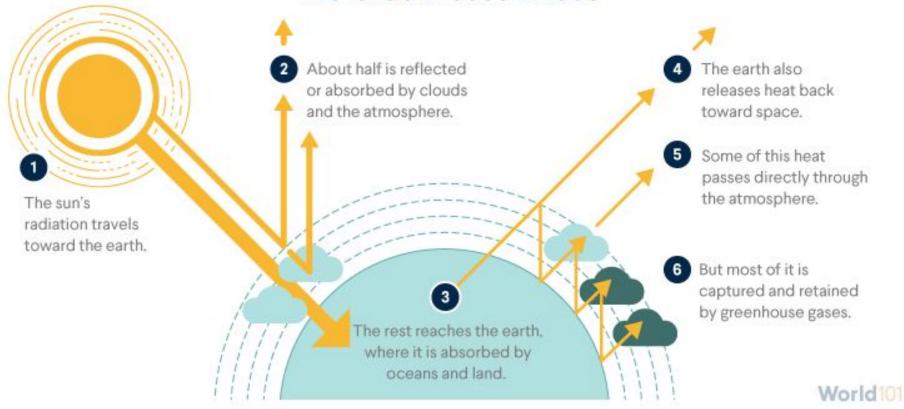
Global temperature anomalies averaged and adjusted to early industrial baseline (1881-1910) Source: NASA GISS, NOAA NCEI, ESRL

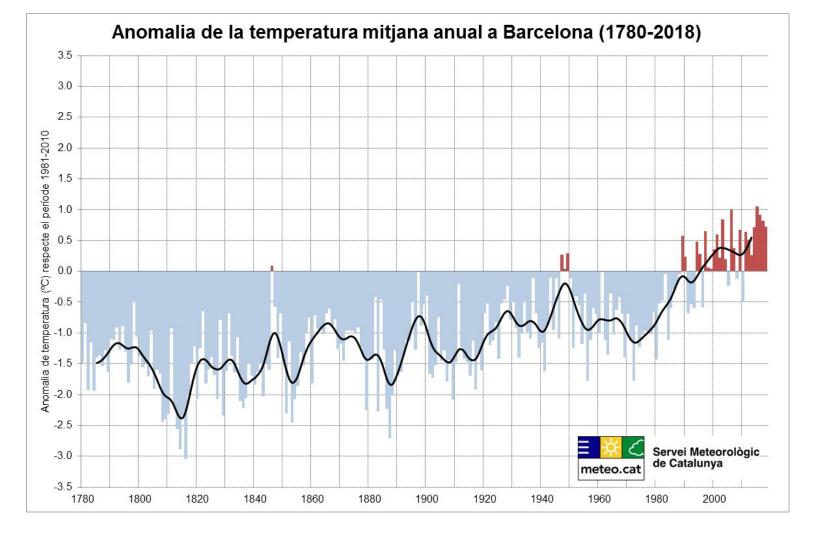


Global temperature change (1850–2017)



The Greenhouse Effect





A 4C rise in global average temperatures would force humans away from equatorial regions

Southern Europe

Scandinavia, and Alaska Saharan deserts will Himalayas expand into southern and The vast majority of humanity will live Two-thirds of the glaciers that feed many in high-latitude areas, where central Europe of Asia's rivers will be lost agriculture will be possible New Zealand, Tasmania, Equatorial belt Oceanic dead zones

densely populated

Guardian graphic

Western Antarctica and

Some of the only habitable parts of the

southern hemisphere - likely to be very

Patagonia

Canada, Siberia,

Equatorial belt

High humidity causing heat stress across tropical regions will render them uninhabitable for much of the year. To the north and south will lie belts of inhospitable desert

Oceanic dead zones

Coral reefs, shellfish and plankton will be wiped out by rising acidity and algae starving the oceans of oxygen.

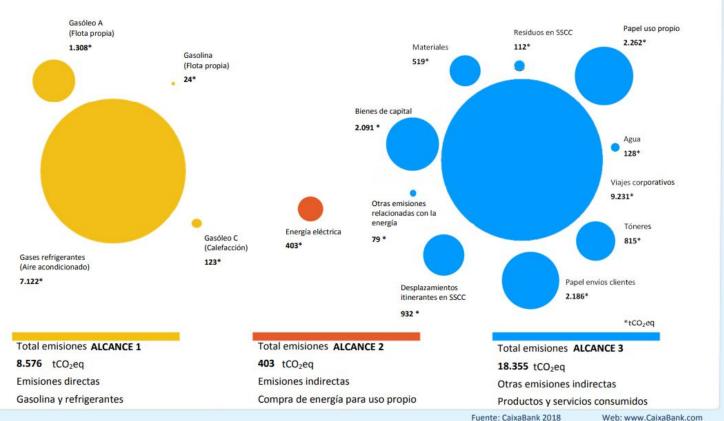
Without prey, larger sea life will decline rapidly

Hindu Kush, Karakoram and



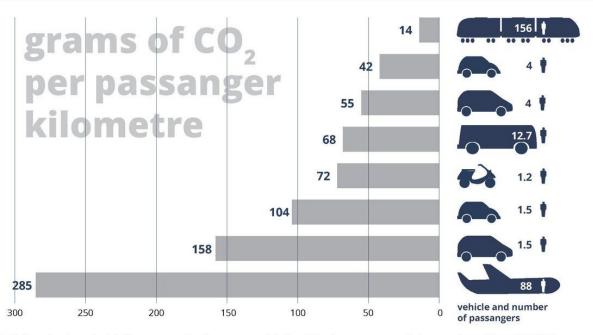
Huella de carbono

Total emisiones 27.334 tCO₂eq en 2018



CO, emissions from passenger transport





Note: The figures have been estimated with an average number of passengers per vehicle. The addition of more passengers results in fuel consumption – and hence also CO2 emissions – penalty as the vehicle becomes heavier, but the final figure in grams of CO2 per passenger is obviously lower. Inland ship emission factor is estimated to be 245 gCO2/pkm but data availability is still not comparable to that of other modes. Estimations based on TRACCS database. 2013 and TERMO27 indicator.

Source: EEA report TERM 2014 eea.europa.eu/transport