

Climate Change: the urgency for climate repair now



CLIMATE
REPAIR

SIR DAVID KING

Founder & Chair, The Centre for Climate Repair at Cambridge

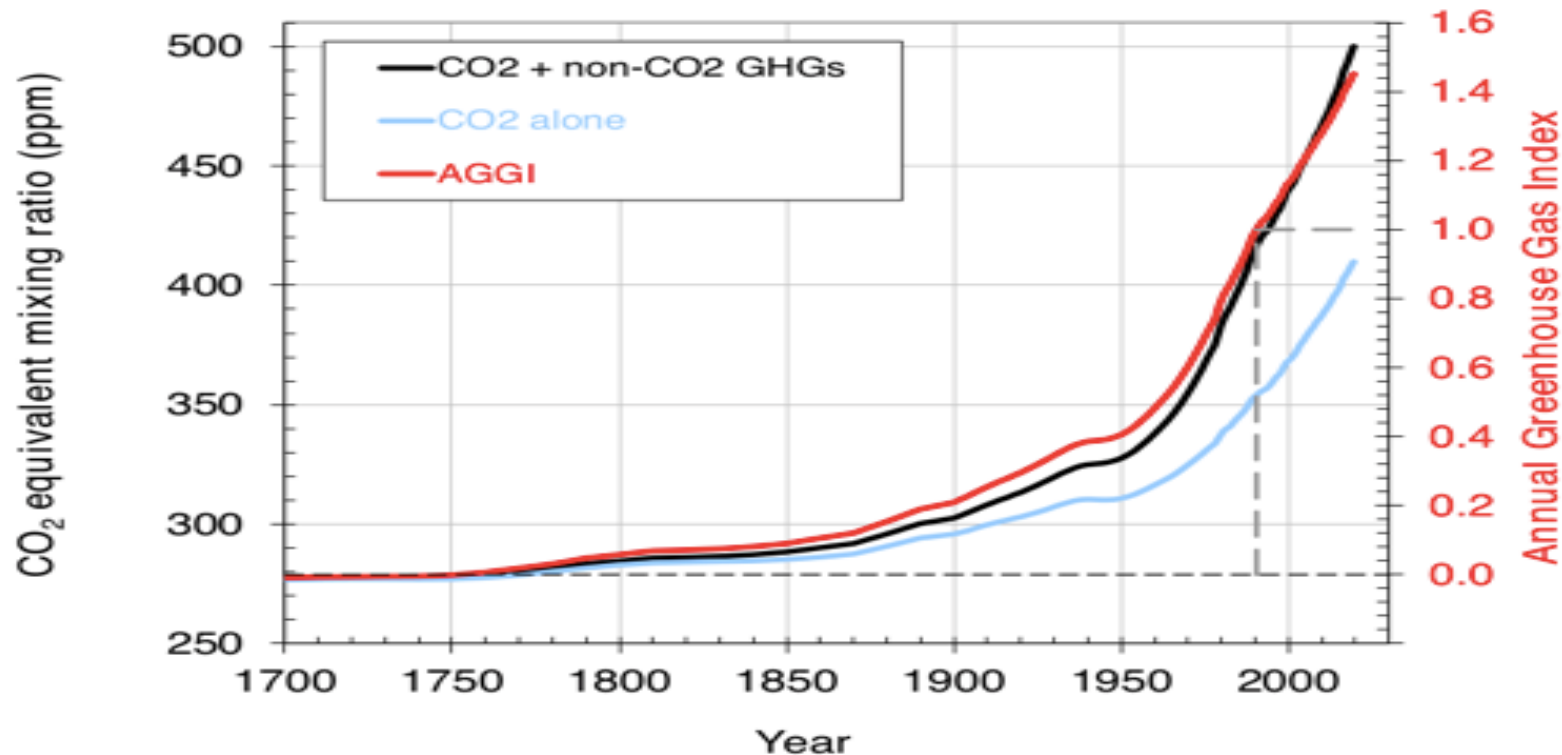
Senior Strategy Adviser to the President of Rwanda

Former UK Govt CSA, 2000-7; FCO Climate Envoy, 2013-17

National Climate Change Conference 2021

27th January 2021

AGGI₂₀₁₉ = 1.45
CO₂ equivalent = 500 ppm

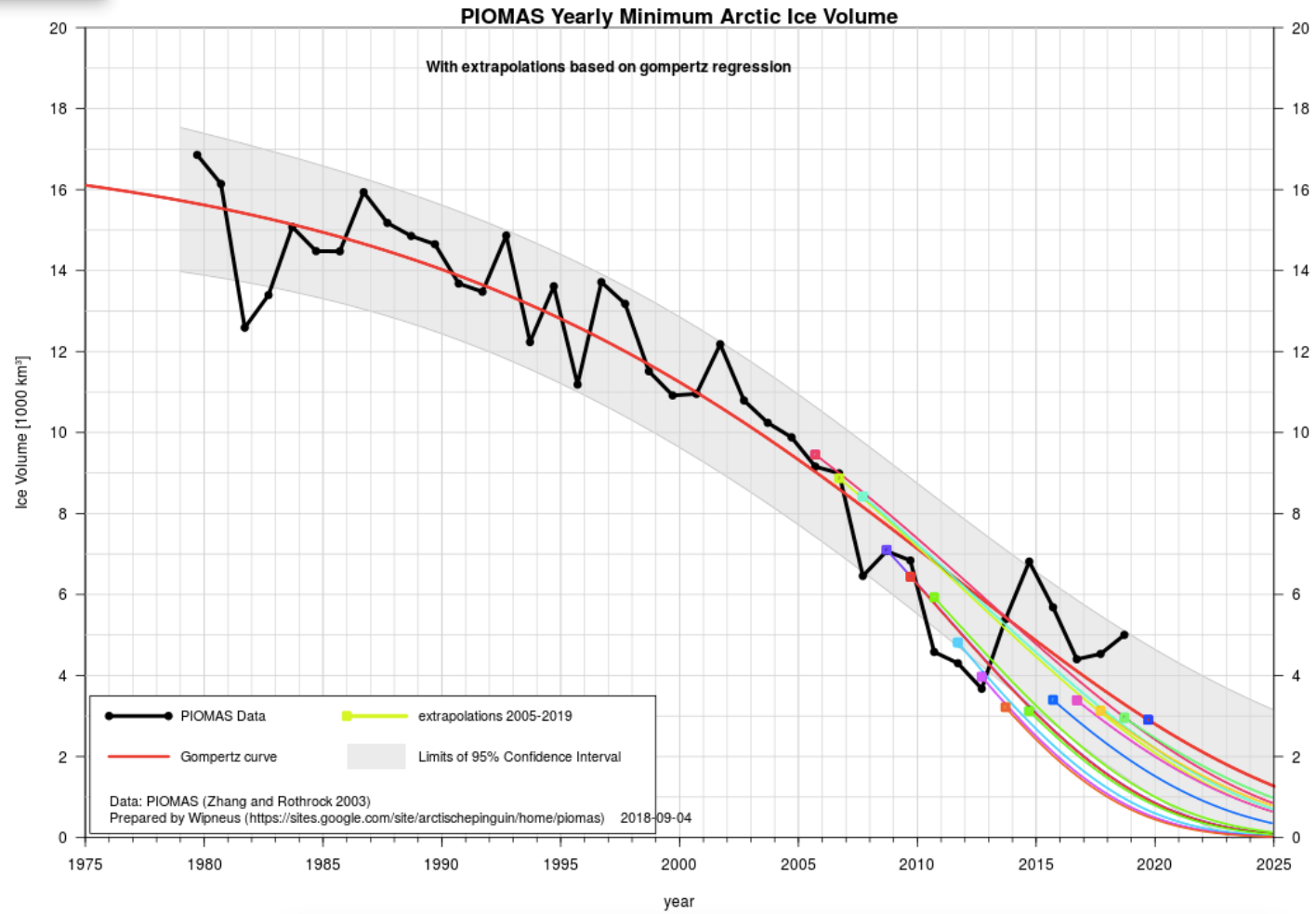


The NOAA AGGI is given in more detail at www.esrl.noaa.gov/gmd/aggi/aggi.html

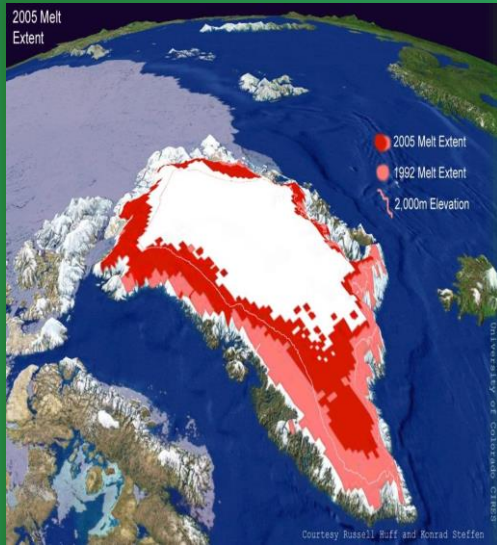
Mission Innovation

- ▶ High-profile initiative to strengthen public funding of clean energy RD&D.
- ▶ 22 nations, committed to doubling by 2020/2021: annual spend of approx \$30bn.
- ▶ Breakthrough Energy Coalition, 29 investors pledged to invest \$2bn in solutions.

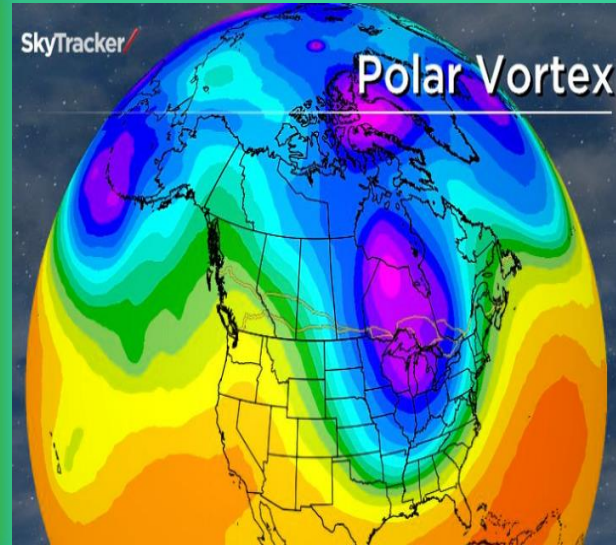




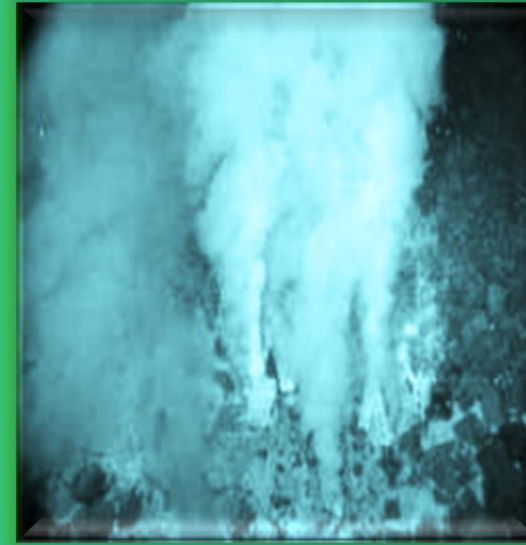
Consequences of Arctic Warming



Melting



Meandering



Methane

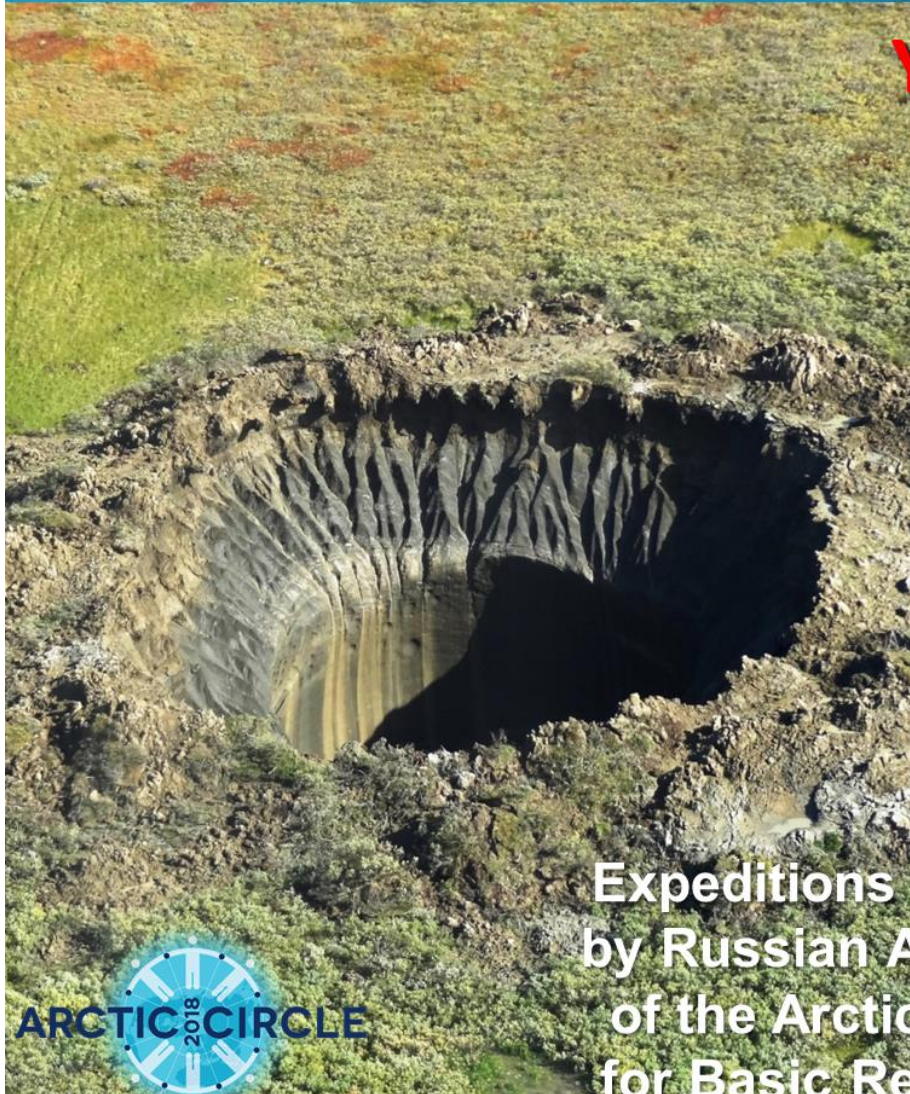
All Accelerating



from Helicopters and onland

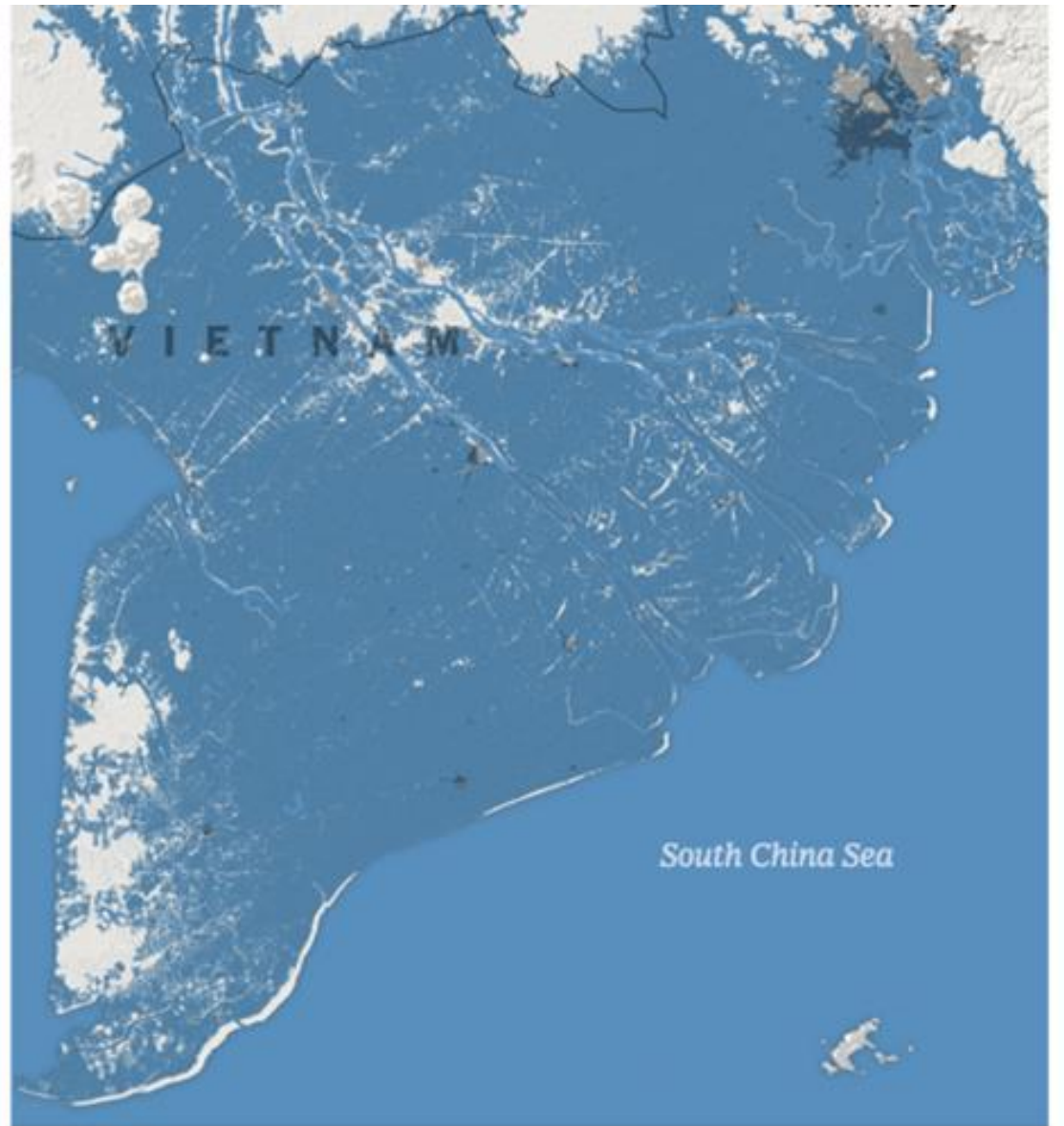
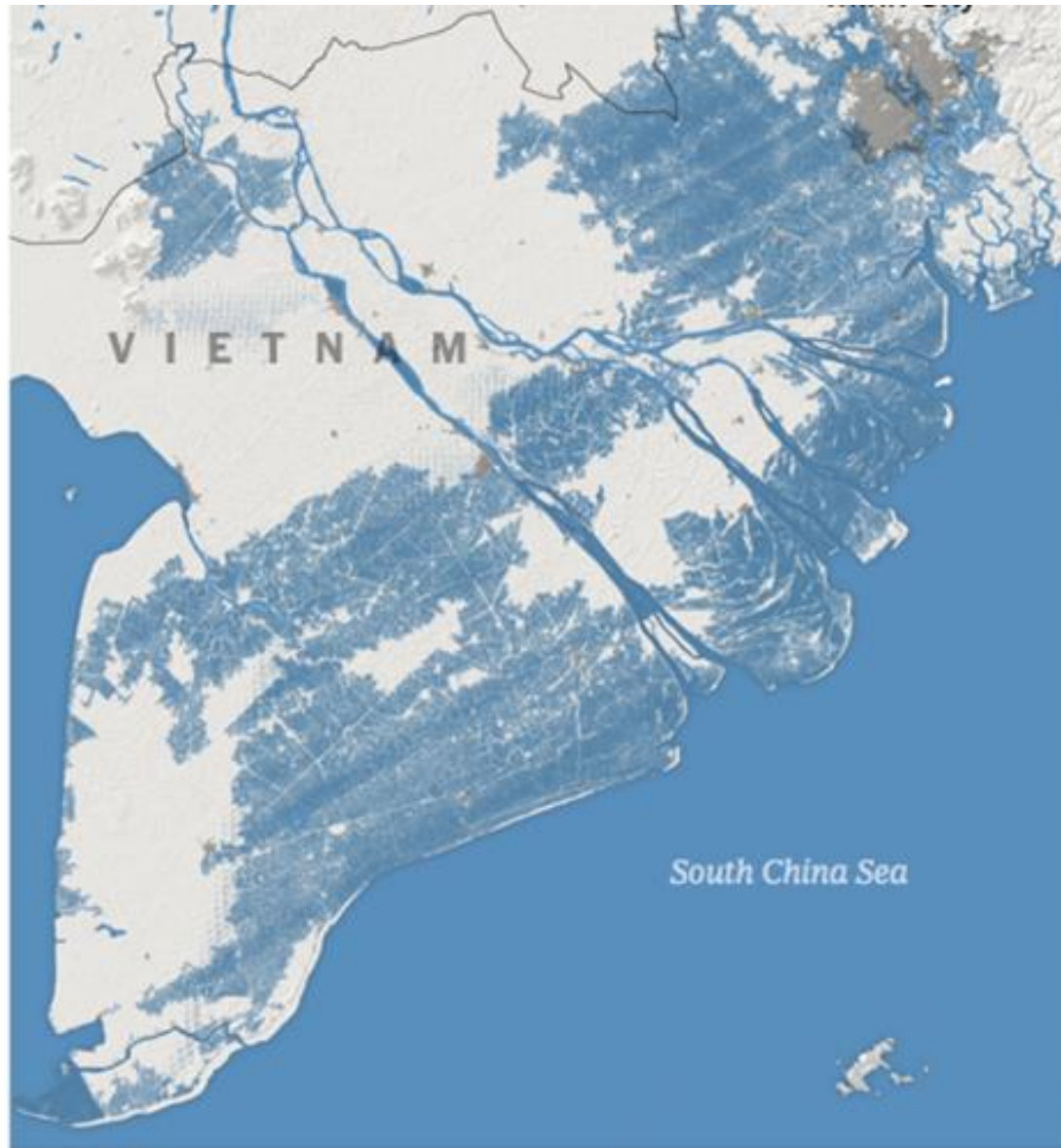


Yamal's Crater C1



Expeditions in 2014-2018 took place with support by Russian Academy of Sciences, Russian Center of the Arctic Development, Russian Foundation for Basic Research, Yamal Govt and "Yamal LNG"





**We Must Act
Now!**



Climate Repair



1. Deep and Rapid Emissions Reduction.
2. Create New GHG sinks
 - ▶ Objective : Restore the atmosphere to from 500 ppm to <350 CO2 equ GHG level
3. Re-freeze the poles
4. Promote agile political and investment responses