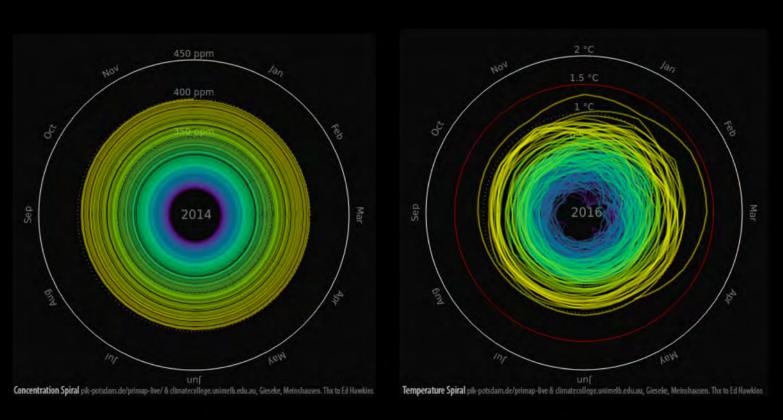
Climate Urgency and the Need to Reduce Net Global Emissions ASAP to ZERO

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CAN-Europe press conference, 5 October 2020

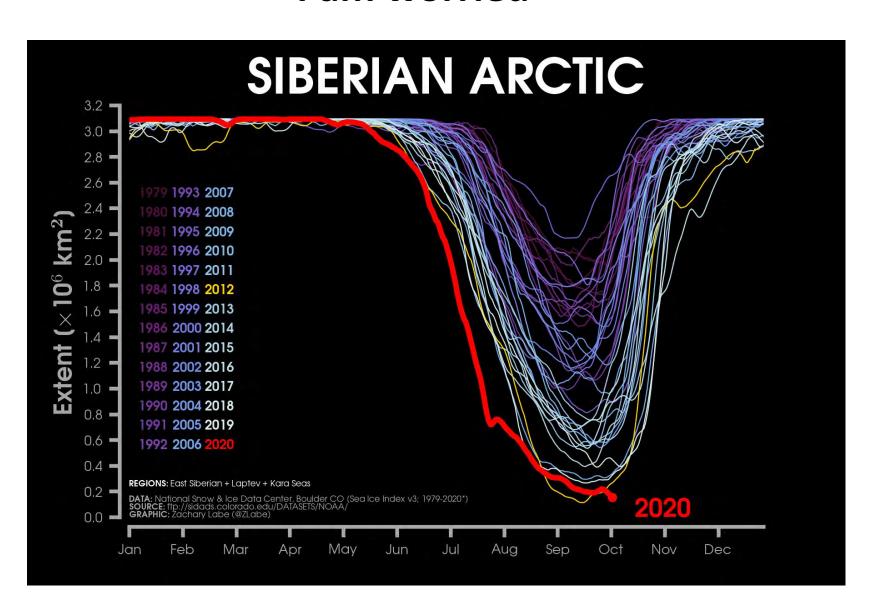
Thanks to the Government of Wallonia, supporting the Walloon Platform for IPCC and to my team at the Université catholique de Louvain

CO₂ Concentration and Temperature spirals

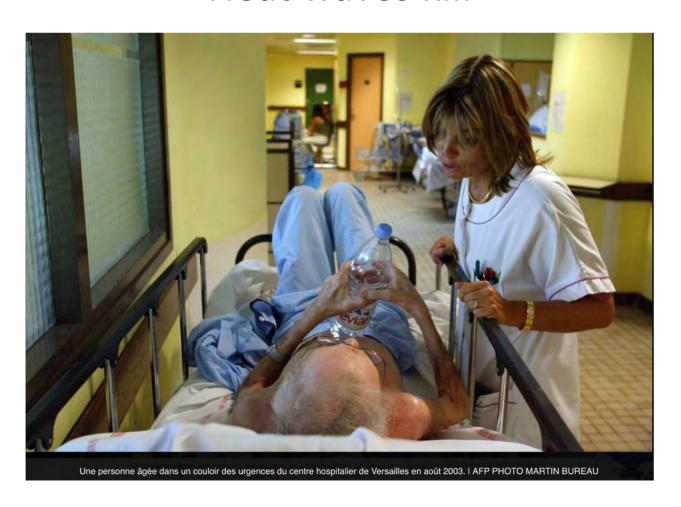


CO₂ Concentration since 1850 and Global Mean Temperature in °C relative to 1850 – 1900 Graph: Ed Hawkins (Climate Lab Book) – Data: HadCRUT4 global temperature dataset Animation available on http://openclimatedata.net/climate-spirals/concentration-temperature/

I am worried

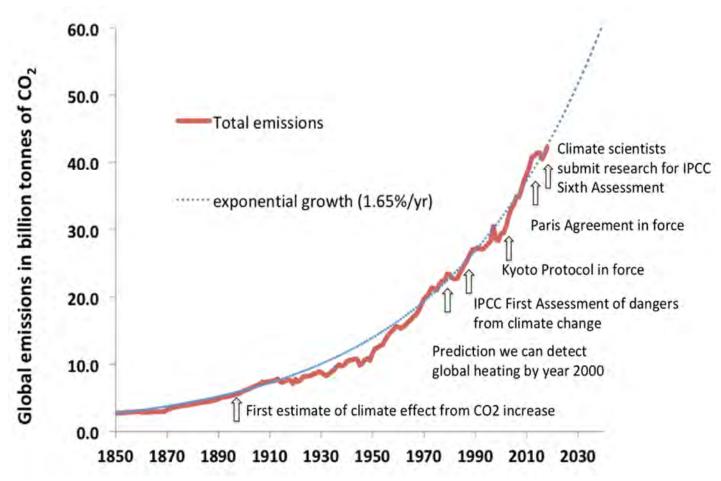


Heat waves kill

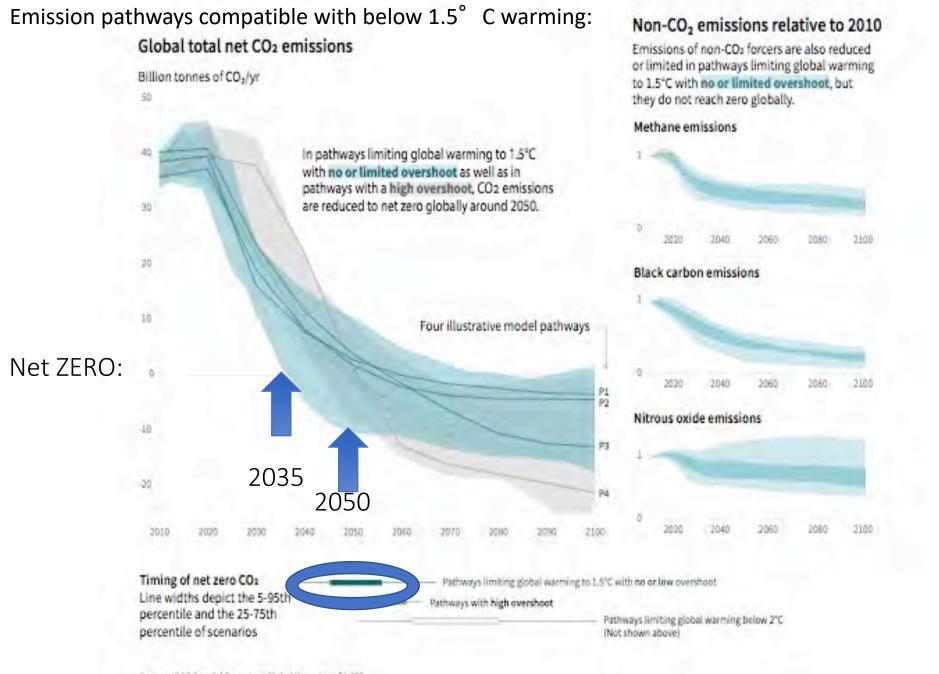


Floods cost



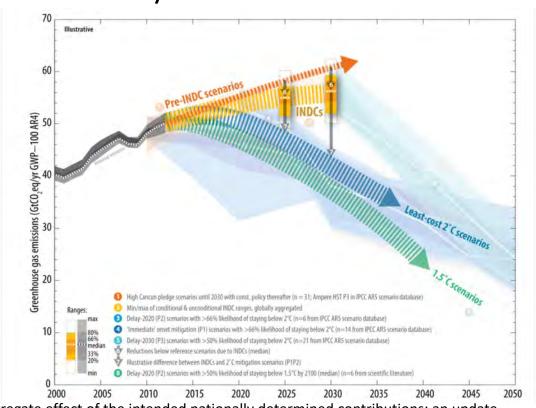


Source: Wolfgang Knorr, in The Conversation (2019)



Source: IPCC SR15^{C Special Report on Global Warming of 1.5°C}

Comparison of global emission levels in 2025 and 2030 resulting from the implementation of the intended nationally determined contributions



UNFCCC, Aggregate effect of the intended nationally determined contributions: an update http://unfccc.int/resource/docs/2016/cop22/eng/02.pdf

Key messages

Impacts of climate change are spreading and costing more and more Climate urgency is greater than ever

Respecting the 1.5°C Paris Agreement objective is essential It requires reduction of global net CO2 emissions to ZERO *before* 2050 If this is needed for global emissions, it means an even earlier deadline for the EU, because:

- EU has a high historical responsibility
- EU has the means to be ambitious

Emission reductions need to be mostly obtained by fossil fuel phaseout

Increases in CO2 absorption capacity by forests, soils, etc, are welcome, but much more difficult to measure and guarantee in time (think, e.g., forest fires!)

Separate, bold, targets for emission reductions and for absorption increases would be better

To go further:

- www.ipcc.ch : IPCC
- <u>www.skepticalscience.com</u>: answers to the merchants of doubt arguments <u>www.desmogblog.com</u>: analysis of contrarians strategies
- www.plateforme-wallonne-giec.be: IPCC-related in French, Newsletter, latests on SR15, basic climate science
- My latest essay on climate urgency: www.levif.be/reveil-climatique
- Twitter: @JPvanYpersele & @IPCC_CH