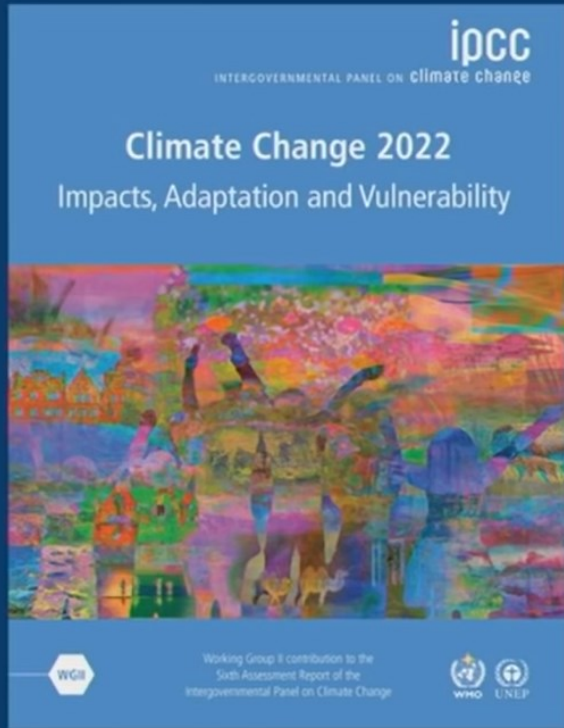


# Open science in a burning planet

AITZKOA LOPEZ DE LAPUENTE  
PORTILLA,

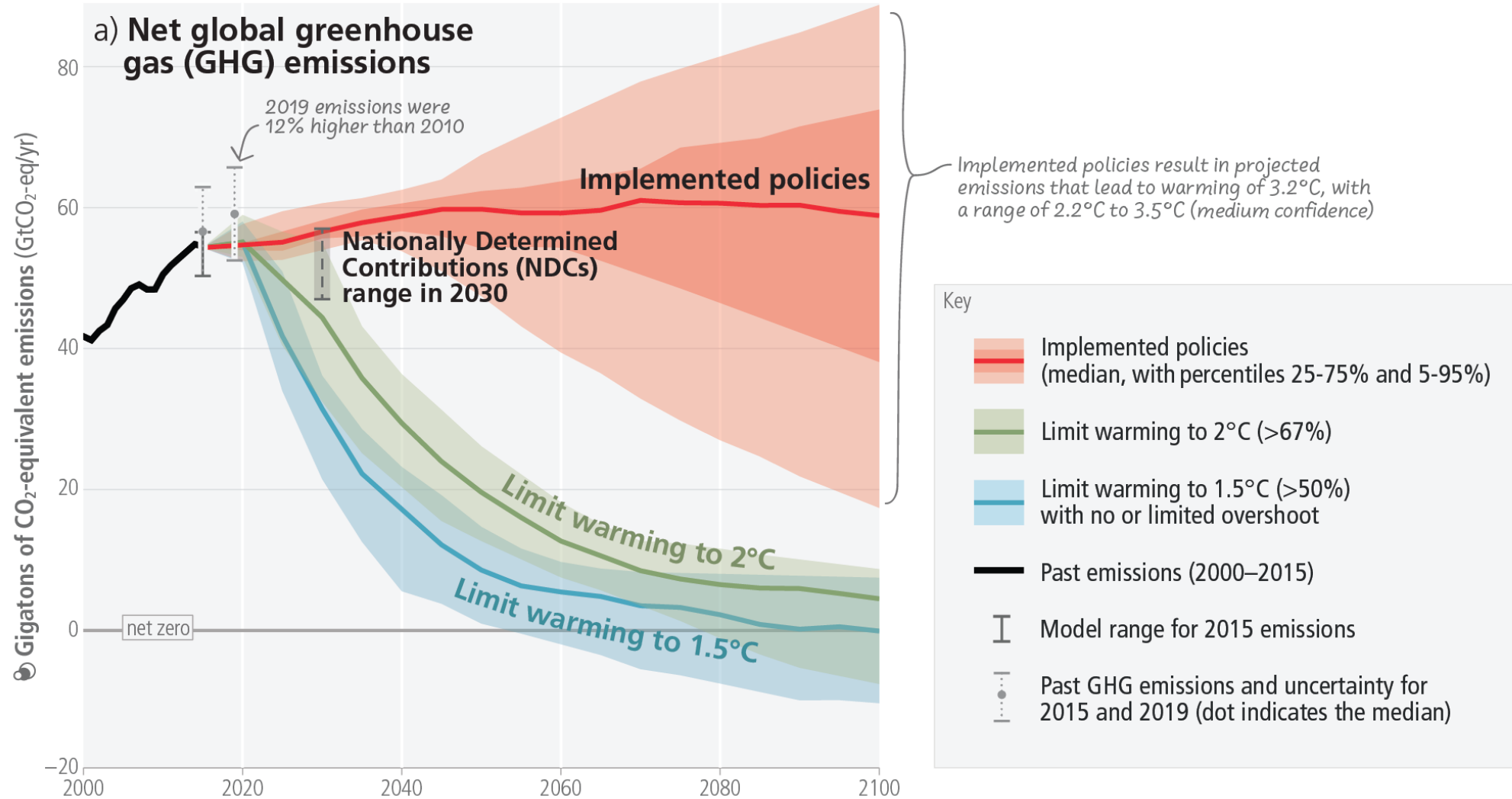
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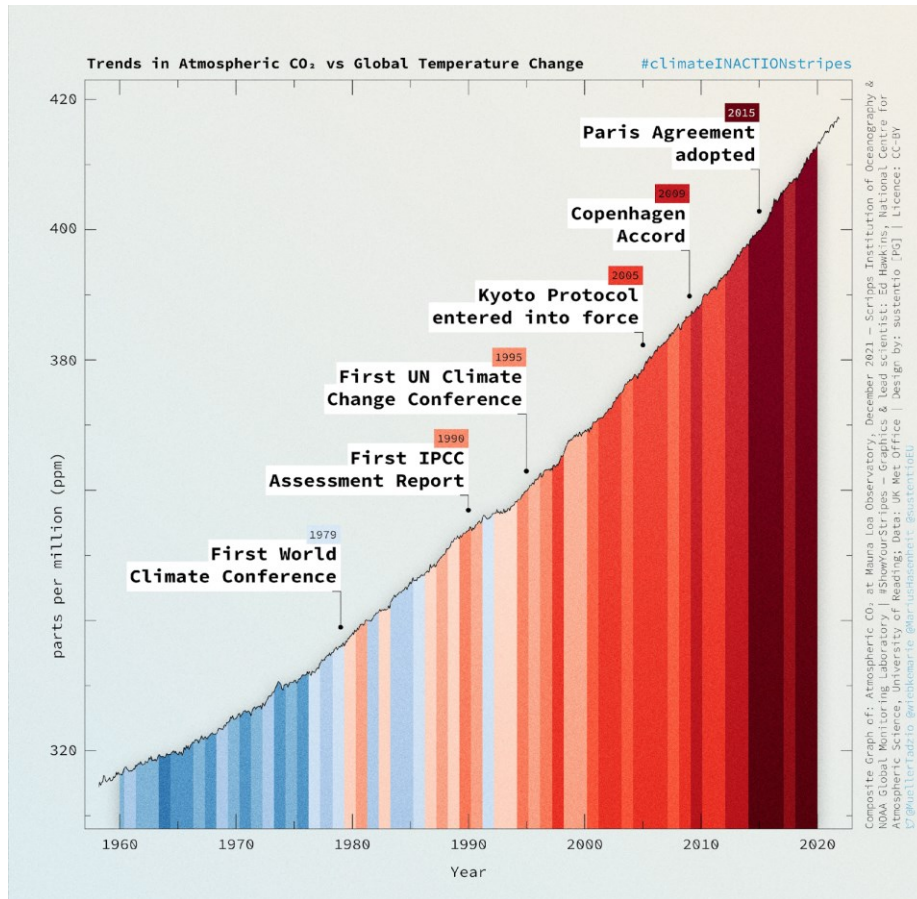
The scientific evidence is unequivocal: climate change is a threat to human well-being and the health of the planet. Any further delay in concerted global action will miss the brief, rapidly closing window to secure a liveable future. This report offers solutions to the world.

# Limiting warming to 1.5°C and 2°C involves rapid, deep and in most cases immediate greenhouse gas emission reductions

Net zero CO<sub>2</sub> and net zero GHG emissions can be achieved through strong reductions across all sectors



# What is open science in this context?



## Political drivers

- Endless growth-based economic model
- Corporate capture of democracy, via media and the state
- Billions of public money funneled into fossil fuel industries

# The role of scientists and universities

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“As producers and gatekeepers of knowledge, and as providers of education and training, our universities play a key role in the reproduction of unsustainability. (...) This means that, **as workers within these institutions, academics and researchers are faced with a choice: to be agents of this reproduction or to be advocates and activists for change.**”

McGeown and Barry, *Front. Sustain.* 2023



# Our levers for change

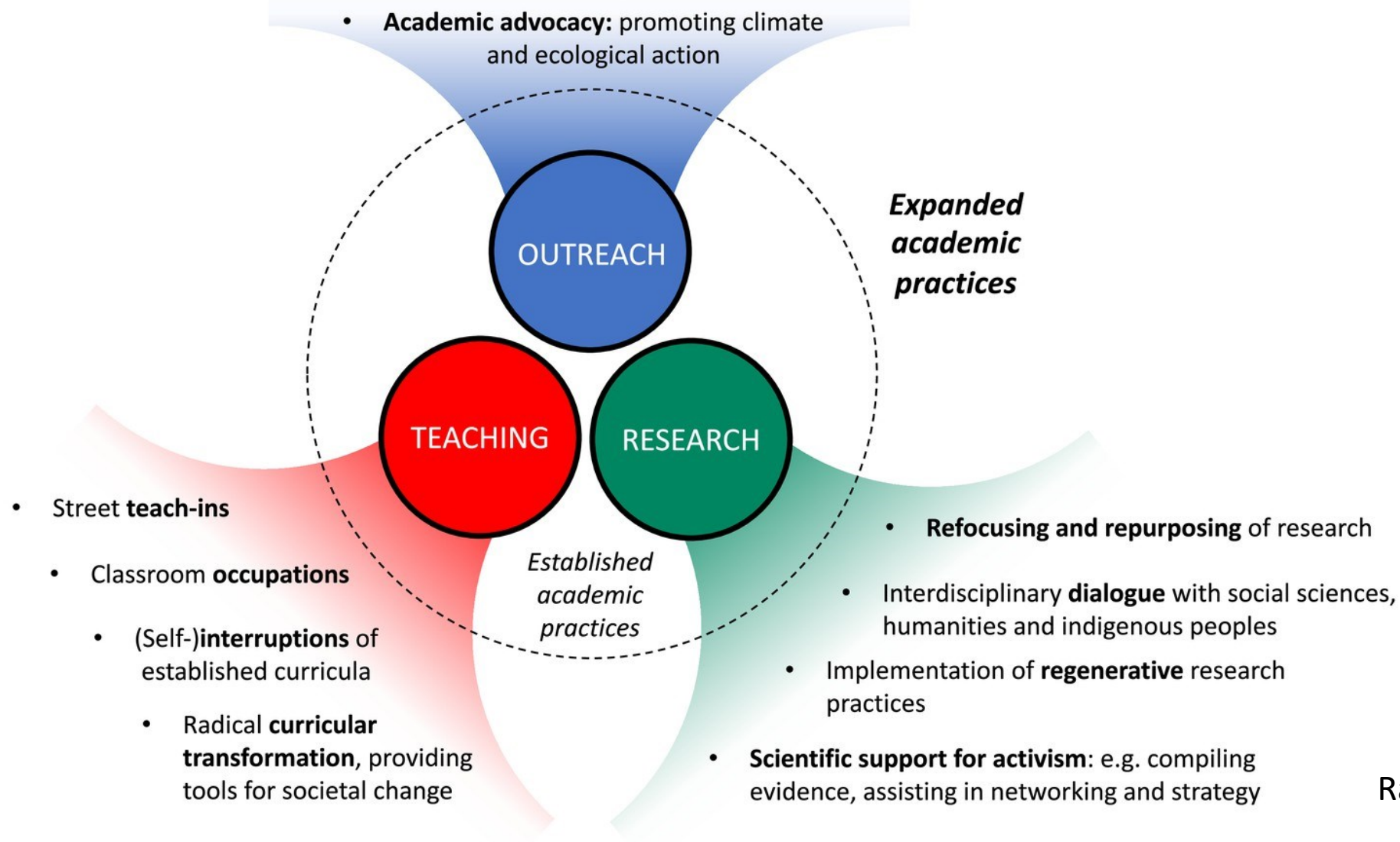
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- We exist in rich hubs of knowledge and expertise
- We are well connected across the world, and to decision-makers
- We have large platforms from which to inform, educate and rally others
- We have implicit authority and legitimacy.



- **Scientists in civil resistance:** road blockades; wall-pasting of scientific posters; academic occupations of corporate and state institutions; academic strikes
  - **Scientist-activism:** scientists taking public roles in protest movements

- **Academic advocacy:** promoting climate and ecological action



Racimo *et al.* *elife*, 2022



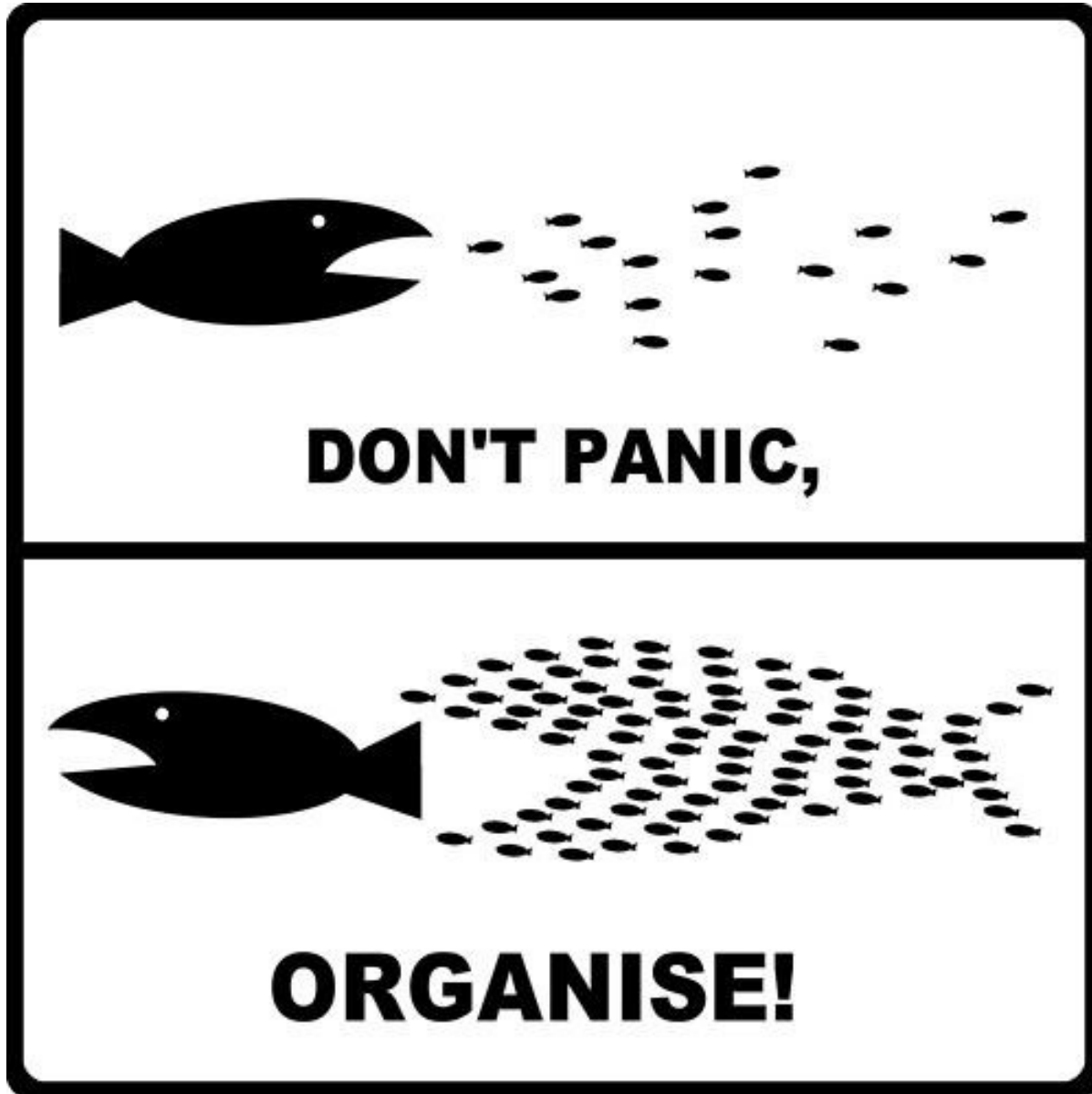


# Beyond the labs and out to the streets

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- Teach-ins
- Strikes
- Occupations
- Boycotts
- Direct action: blockades,  
paper pasting





<https://scientistrebellion.com/>

Next Scientist Rebellion  
Lund Meeting: November  
27, 17:00