

Welcome to the 2nd ACM SIGPLAN Workshop on Programming for the Planet *held at ICFP/SPLASH, Oct 2025, Singapore*

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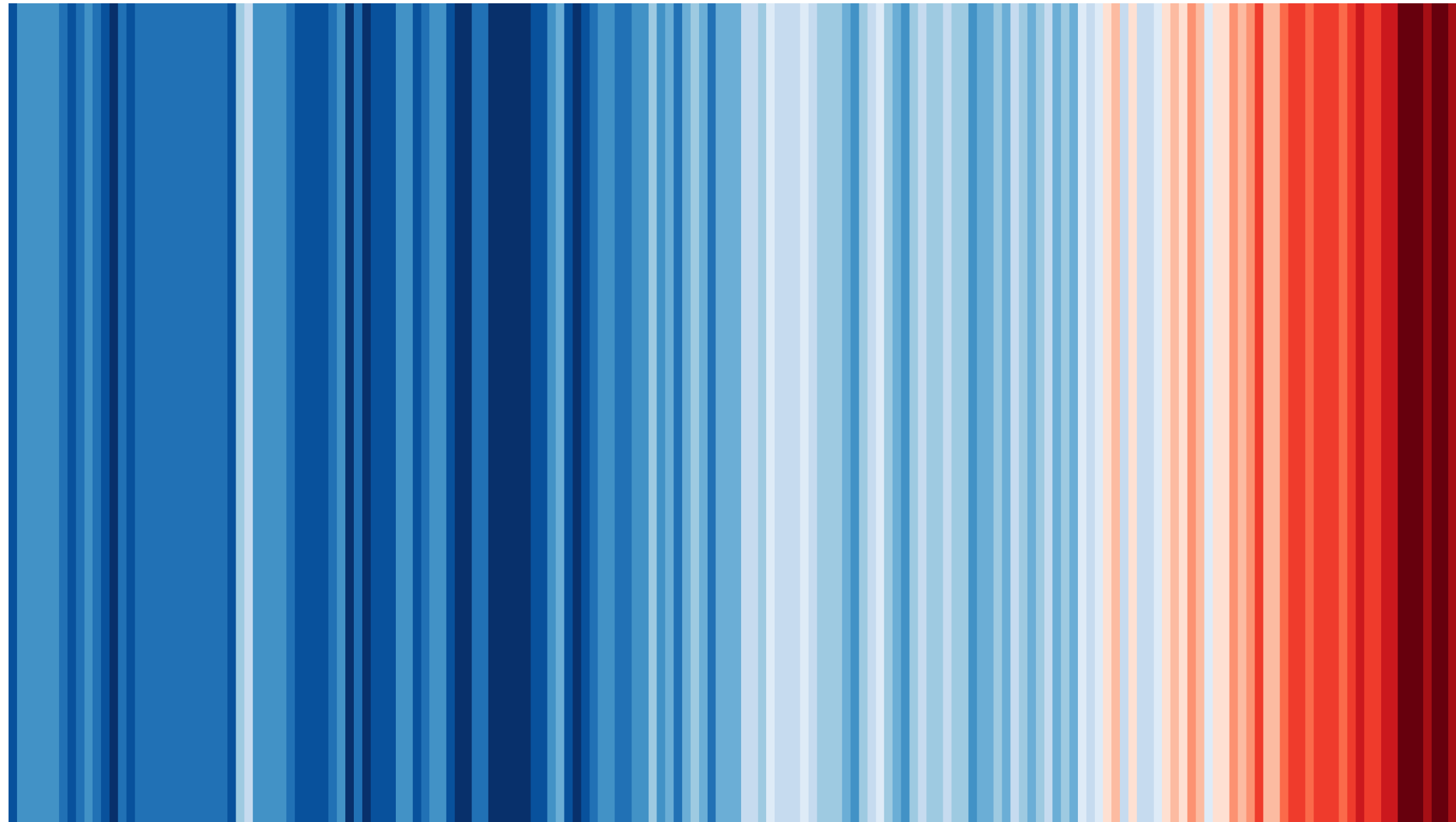
KC Sivaramakrishnan



Programming
Languages and Systems
for Science laboratory

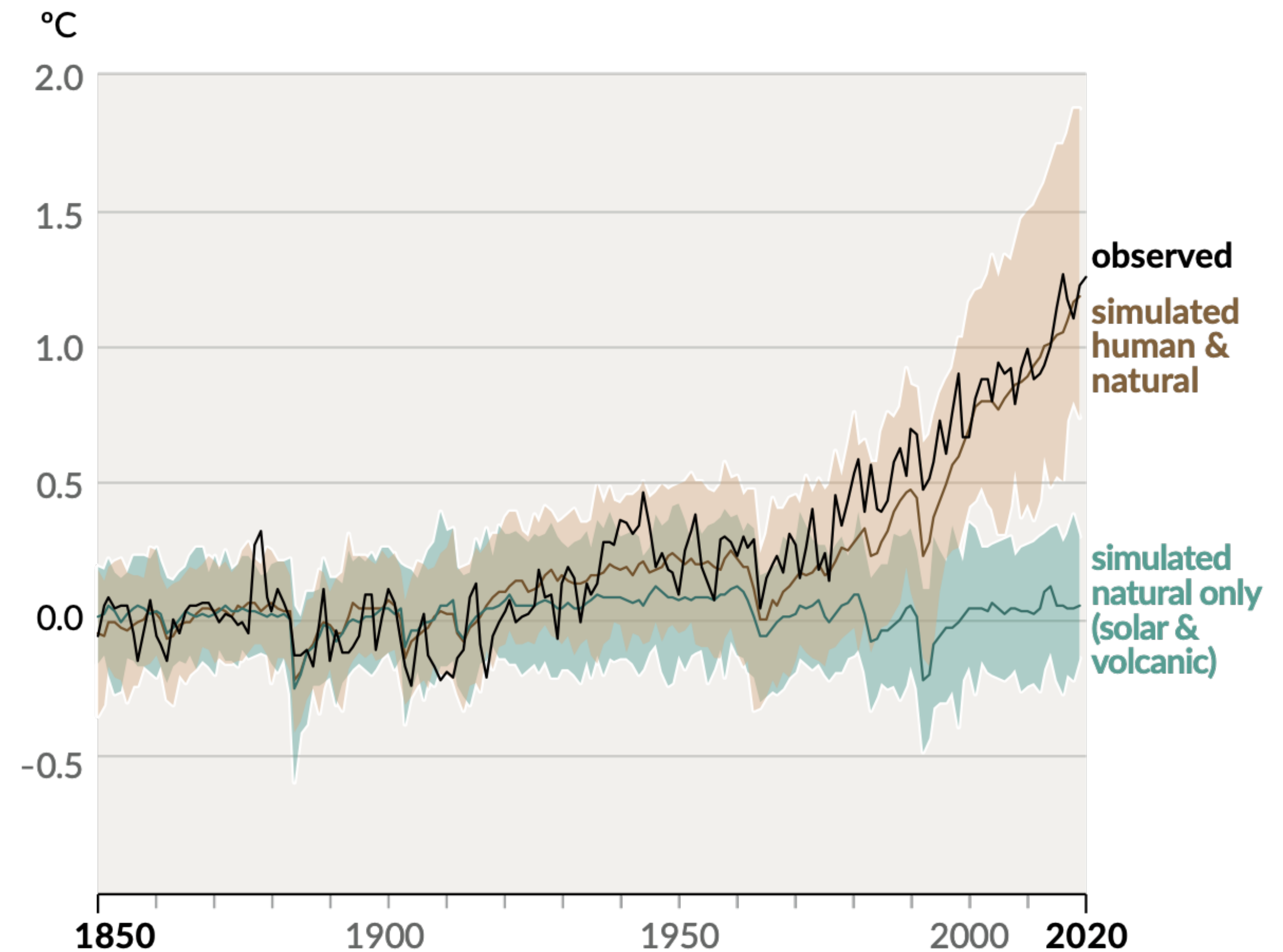


The world is warming fast ...



1850-2022 (Ed Hawkins “Warming stripes”)

(b) Change in global surface temperature (annual average) as **observed** and simulated using **human & natural** and **only natural** factors (both 1850–2020)



IPCC 6th Assessment Report (2022)

**...and further interlinked
crises are worsening**



Desertification

Biodiversity loss

"A race we are losing,
but a race we can win..."

UN Secretary-General António Guterres

"...with the help of computer
science"

... the attendees of PROPL!

'Pace is truly what matters in the climate fight'

Bill McKibben

SIMON SHARPE

FIVE TIMES FASTER

RETHINKING THE SCIENCE,
ECONOMICS, AND DIPLOMACY
OF CLIMATE CHANGE

“Still, our appreciation of the risks of climate change is limited by the way our academic institutions encourage each researcher to focus on their own narrow area of expertise.”

“Any actor should understand their points of leverage[...] We each have to understand the opportunities presented by our place in the system and do our best to exploit them.”

PROPL 2025

Join our "Energy and Environment Group"
Zulip at <https://eeg.zulipchat.com>

Session 1

Programming for
Biodiversity and Climate
(Broad initiatives & applications)

Session 2

Principled Scientific
Programming
(Bridges into our community)

Session 3

Lightning talks and
exciting demos!
(Concrete actions & applications)

Evening

Poster session
(and plotting!)