

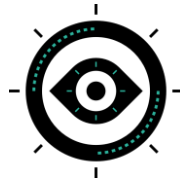
Green Growth as a Driver for an Environmentally Sustainable and Socially Inclusive Recovery at National and Subnational Levels

International Mayors Forum, 24-27 January 2022

Dr Stelios Grafakos, Global Green Growth Institute (GGGI)



GGGI's Vision, Mission, & Position



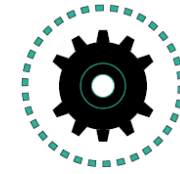
Our Vision

A LOW-CARBON, RESILIENT
WORLD OF STRONG,
INCLUSIVE, AND SUSTAINABLE
GROWTH



Our Mission

GGGI SUPPORTS ITS MEMBERS
IN THE TRANSFORMATION OF
THEIR ECONOMIES TO A GREEN
GROWTH ECONOMIC MODEL.



Our Position

A TRUSTED ADVISOR &
DEVELOPMENT PARTNER
EMBEDDED IN MEMBER &
PARTNER GOVERNMENTS

Supporting Partner Governments to Achieve the SDGs and NDCs

Work with developing country partner governments to achieve their **Nationally Determined Contributions (NDCs)**

GGGI's **more than 100 projects** contribute to the **Sustainable Development Goals (SDGs)**



GGGI's Value Chain & Thematic Areas

GGGI Value Chain



Solar Energy



Forest (Sustainable)
Landscapes



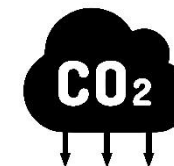
Green Buildings
and Industry



Green Investment Services
(GIS)



Climate Action and
Inclusive Development
(CAID)



Carbon Pricing Unit (CPU)



Waste



Gender and
Inclusive Development



Sustainable
Transportation

GGGI at a Glance

Headquartered in Seoul, Republic of Korea, GGGI has **41 Members**.



(updated as of Q3, 2021)

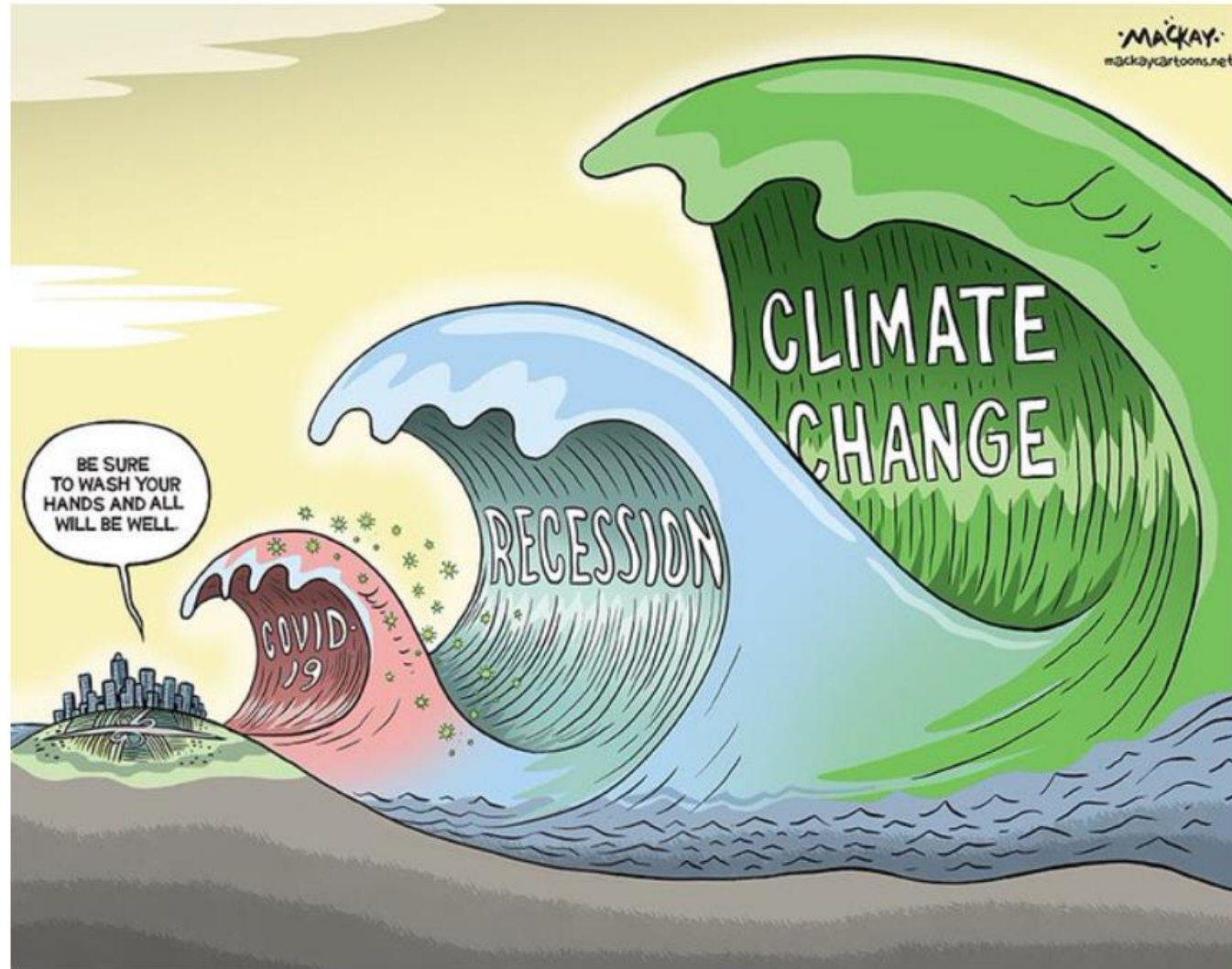


Image courtesy of Graeme MacKay, *The Hamilton Spectator*, March 11th 2020



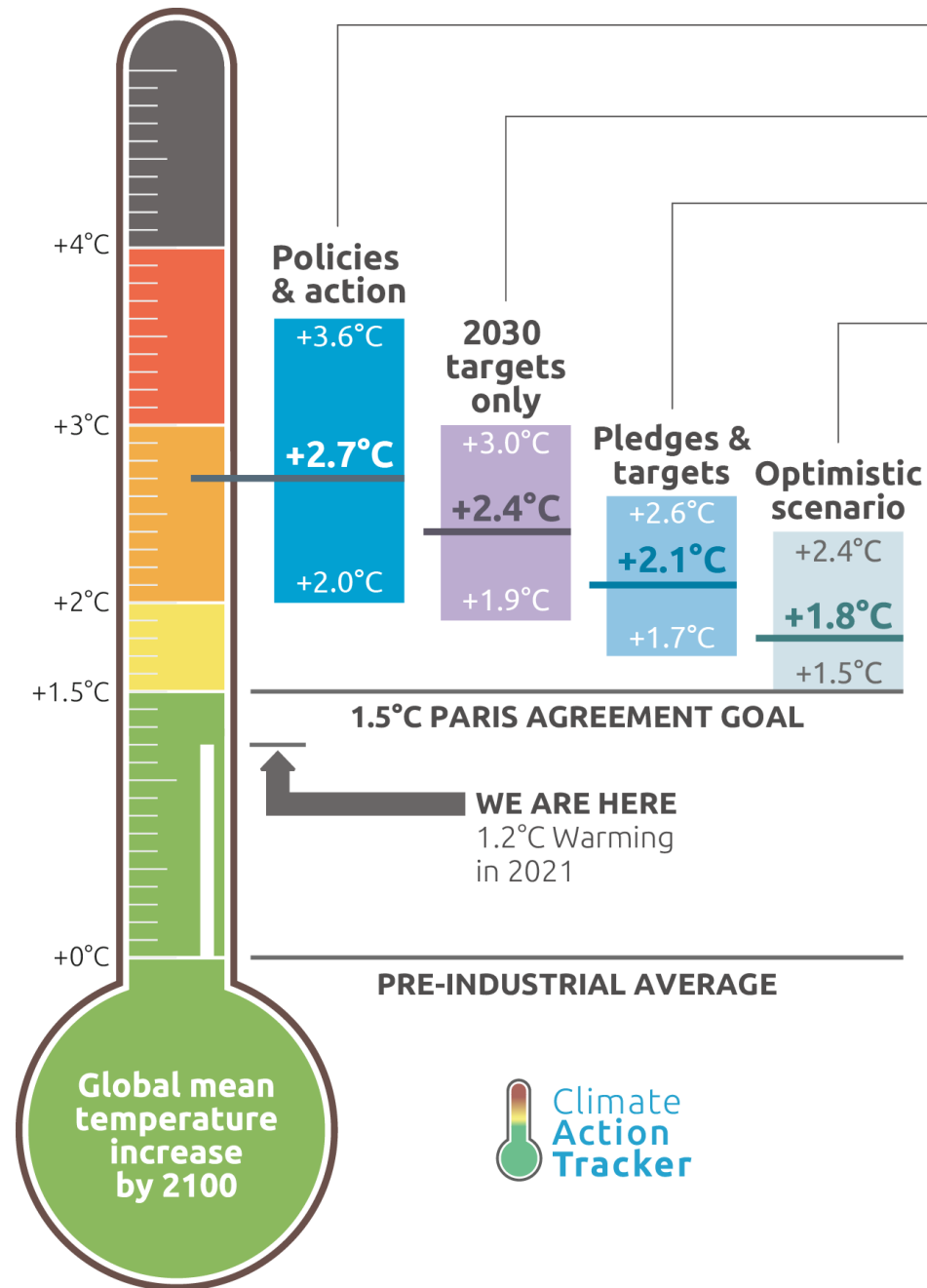
2018: Kerala



2019: Mozambique



+ 2.1°C



Policies & action

Real world action based on current policies

2030 targets only

Full implementation of 2030 NDC targets*

Pledges & targets

Full implementation of submitted and binding long-term targets and 2030 NDC targets*

Optimistic scenario

Best case scenario and assumes full implementation of all **announced** targets including net zero targets, LTSs and NDCs*

* If 2030 NDC targets are weaker than projected emissions levels under policies & action, we use levels from policy & action

CAT warming projections
Global temperature increase by 2100

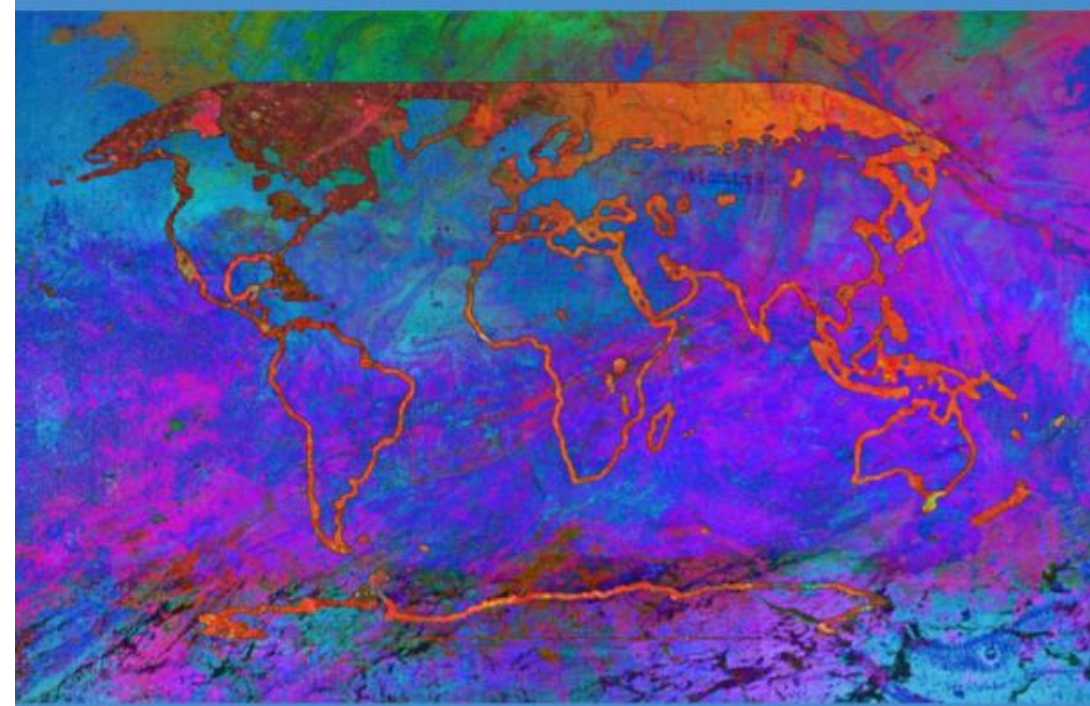
November 2021 Update



ipcc
INTERGOVERNMENTAL PANEL ON climate change

Climate Change 2021

The Physical Science Basis



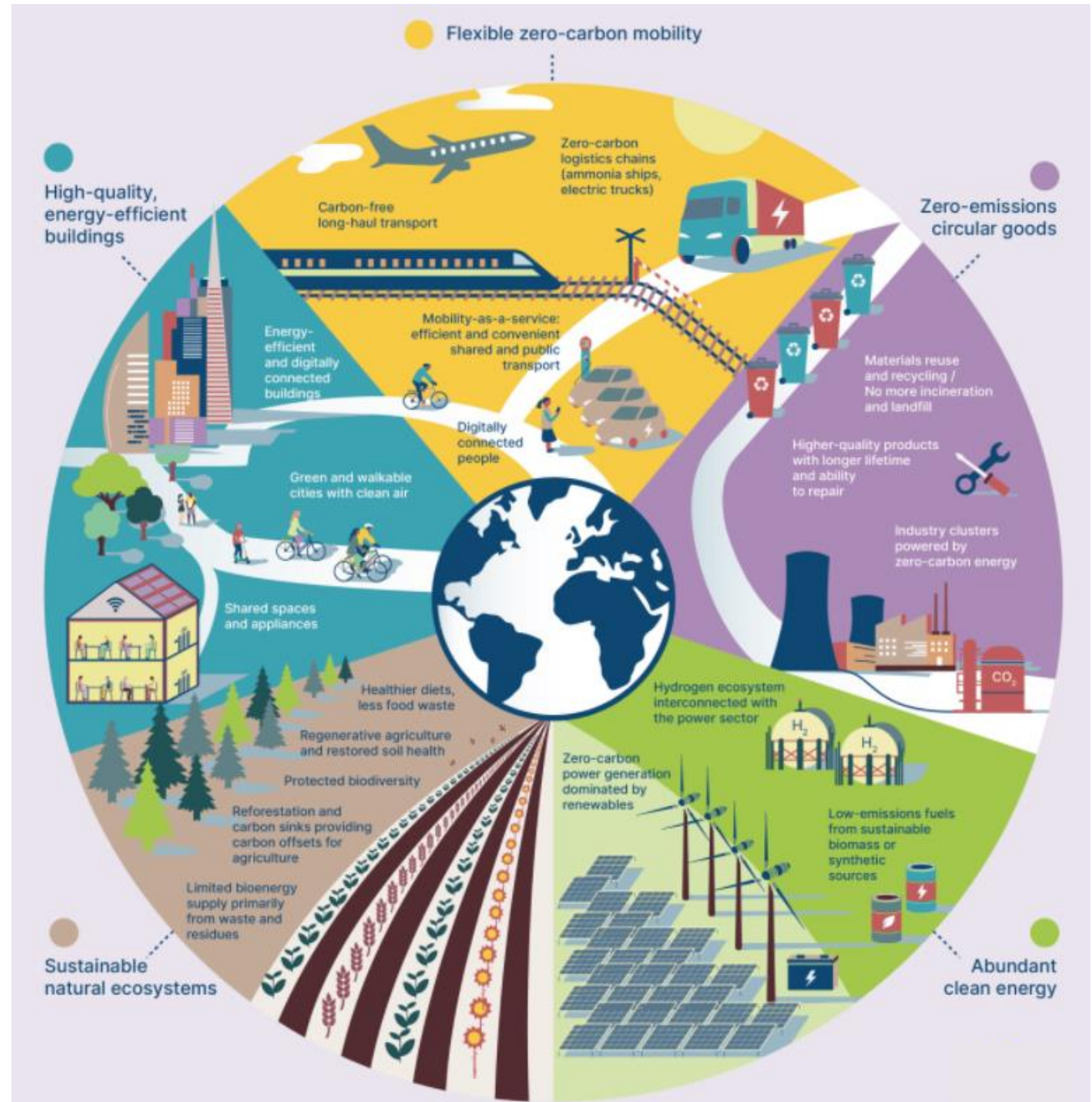
WGI

Working Group I contribution to the
Sixth Assessment Report of the
Intergovernmental Panel on Climate Change

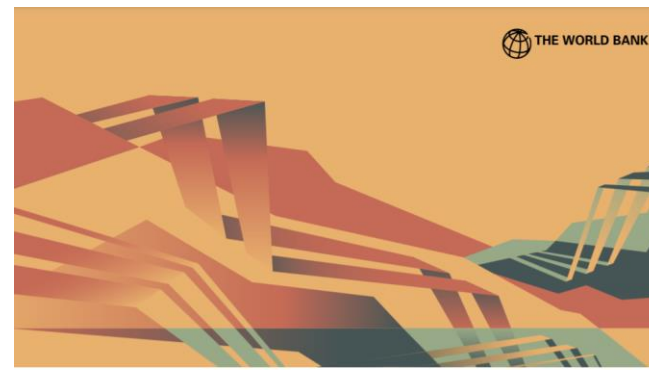


**How can we avoid
catastrophic climate
change and accelerate
green inclusive
transformative action?**

1) Commit and Plan for Net-Zero emissions by 2050

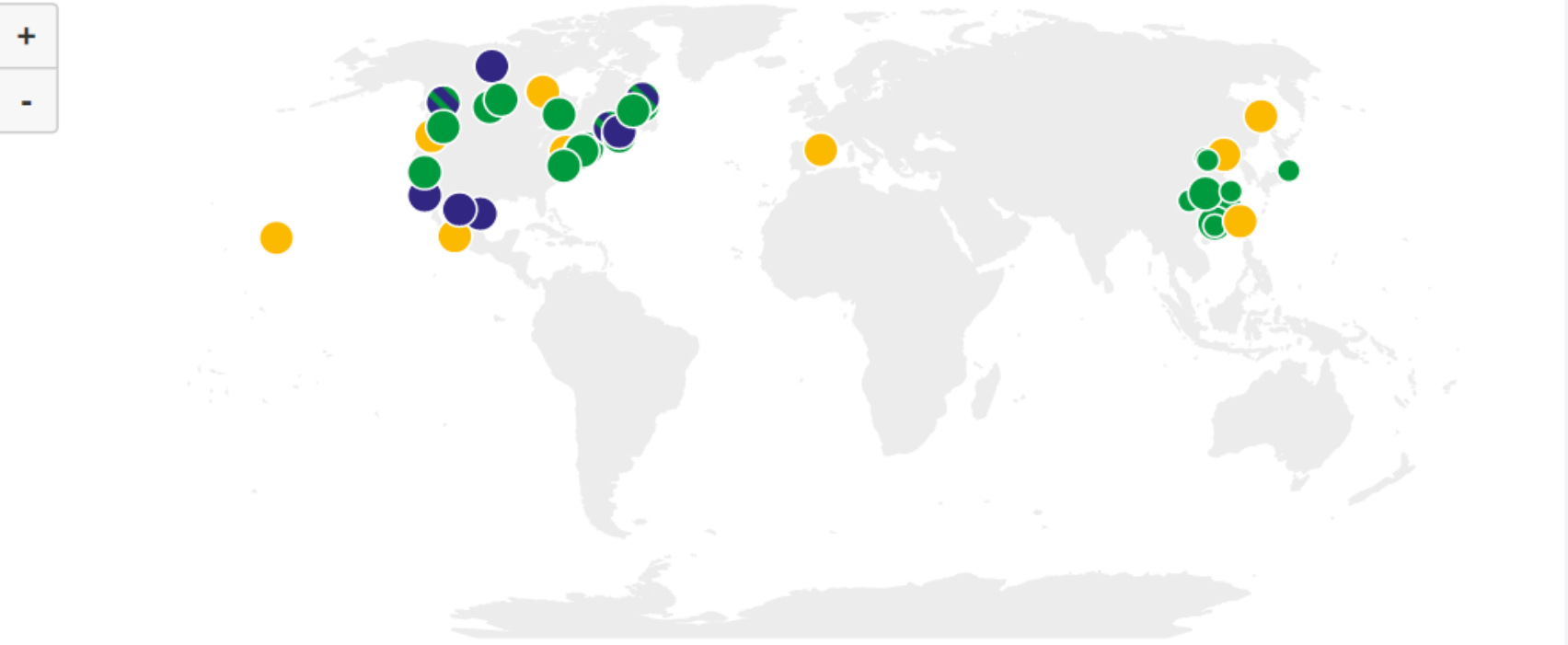


2) Price carbon in an equitable manner



State and Trends of
Carbon Pricing 2021

Map of sub-national carbon pricing schemes



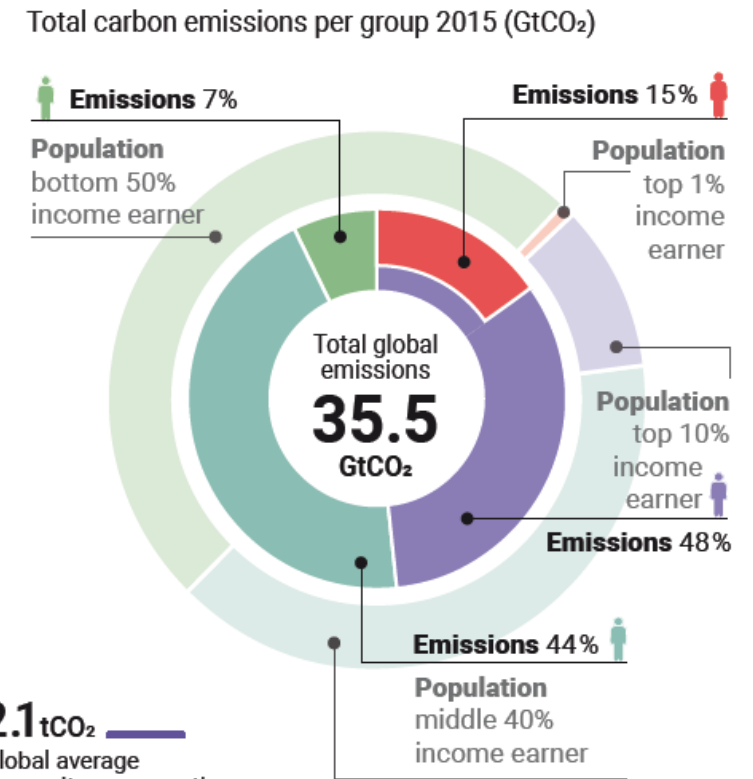
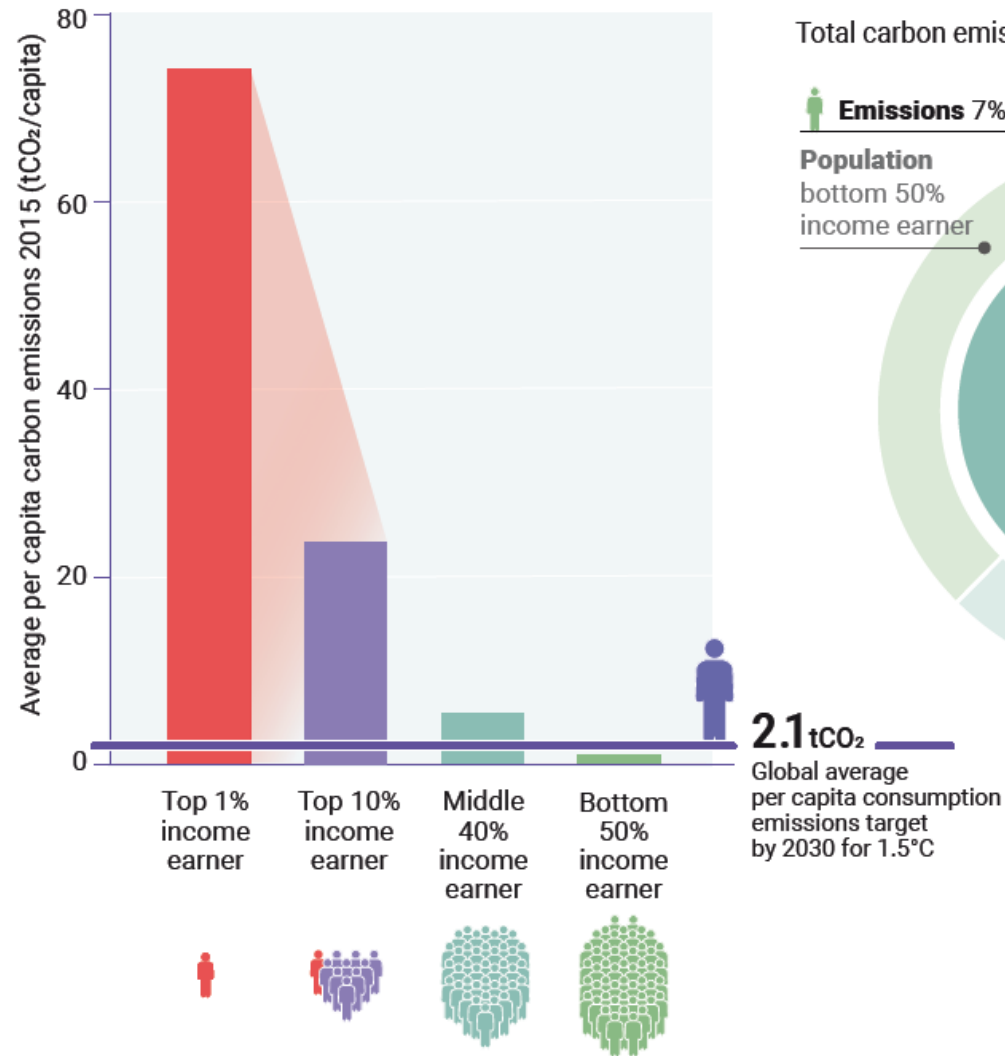
- ETS implemented or scheduled for implementation
- ETS or carbon tax under consideration
- ETS implemented or scheduled, ETS or carbon tax under ...

- Carbon tax implemented or scheduled for implementation
- ETS and carbon tax implemented or scheduled
- Carbon tax implemented or scheduled, ETS under consideration

3) Invest in capacity and skills while supporting the just transition

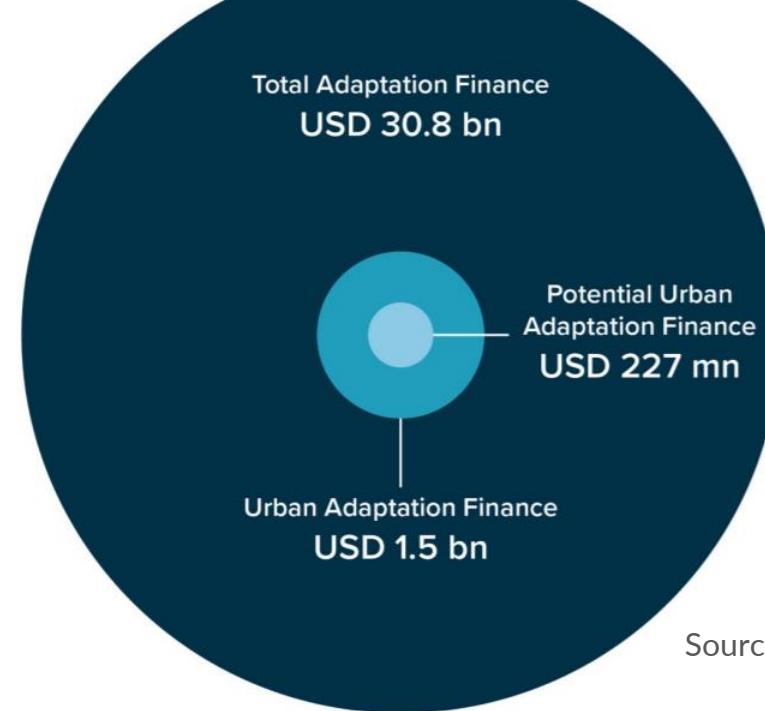


4) Change consumption behavior



Source: UNEP 2020, Emissions Gap Report

5) Accelerate finance in (urban) climate resilience and adaptation



Source: Climate policy Initiative, 2021

Image: REUTERS/Shailesh Andrade



6) Use better Metrics than GDP



Beyond GDP

MEASURING WHAT COUNTS
FOR ECONOMIC
AND SOCIAL PERFORMANCE

Joseph E. **STIGLITZ**, Jean-Paul **FITOUSSI**
and Martine **DURAND**



ONE LAST CHANCE

THE DEFINING YEAR FOR THE PLANET BY JUSTIN WORLAND

PLUS THE DALAI LAMA, GRETATHUNBERG, VANESSA NAKATE, OLIVER JEFFERS, STACEY ABRAMS, ANGELINA JOLIE & MORE



time.com

BLUE SKIES

— & —

NETZERO

2050

CAMPAIGN

BLUE SKIES
&
NETZERO
2050
CAMPAIGN

**BLUE SKIES &
NETZERO 2050
CAMPAIGN**



GGGI Technical Report No. 19

Green Recovery and Climate Action:

Assessing Green Jobs from
Renewable Energy and Forestry
Investments for Developing and
Emerging Economies



THANK YOU

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EMPLOYMENT ASSESSMENT OF RENEWABLE ENERGY:

Power sector pathways
compatible with NDCs and
national energy plans