



WORLD BANK GROUP

WBG Climate Action

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1.5 degree report.





Economic Consequences.



1% of GDP by 2060 in **health effects**, which are probably actually lower than Current effects.



1.6% of GDP by 2060 in **economic consequences** of climate change.

SLCP CLIMATE BENEFITS

Avoided Global Warming by 2050

(Climate and Clean Air Coalition, United Nations Environment Programme)

BC + CH ₄	0.5°C
HFCs	0.1°C
SLCPs	0.6°C

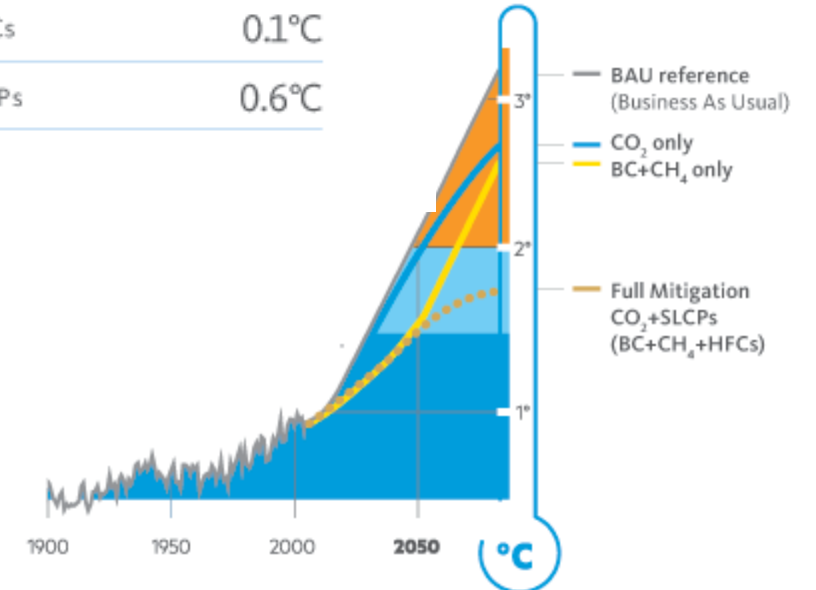


FIGURE 1

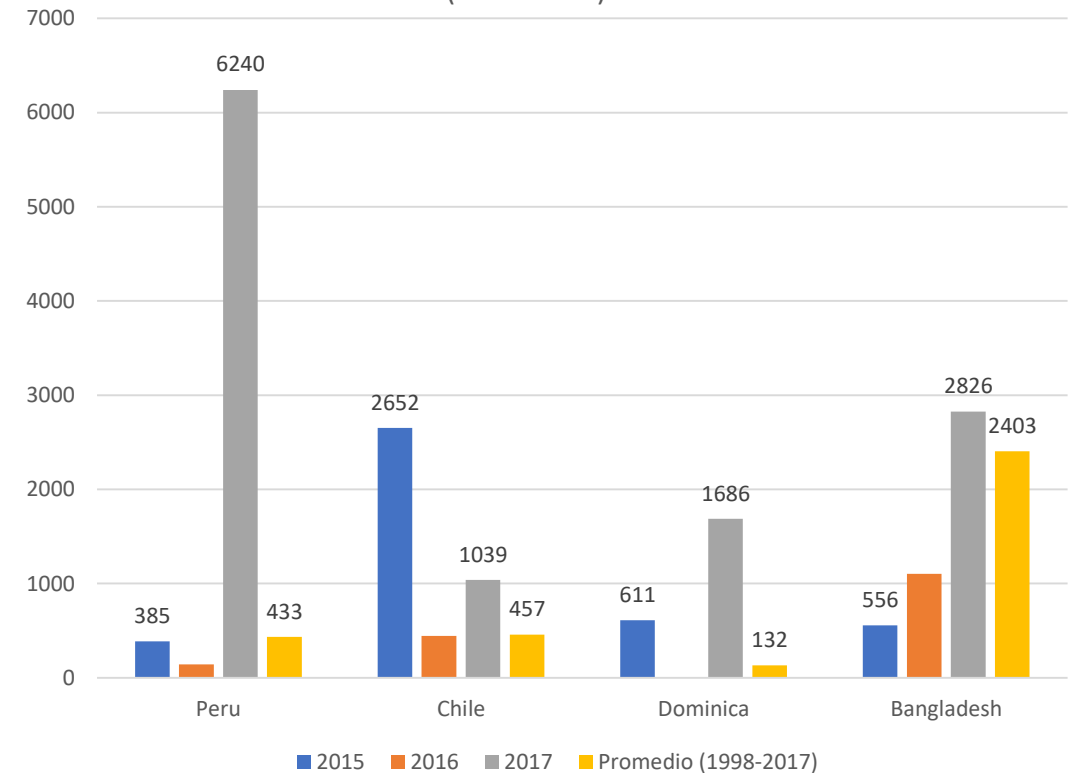
Risk of tipping points with increased global warming and global warming hotspots for 1.5–2°C



Source: Authors, adapted from data in IPCC 2018.
 Note: whether these tipping points are reached, and if so, by what year, is uncertain mainly because future emissions pathways are uncertain. If greenhouse gas emissions continue at their current rate, tipping points associated with a 1.5°C temperature increase will be reached by 2050, and tipping points associated with 3°C by 2100.

Global Climate Risk Index

Climate related disaster damage
(in MMUSD)

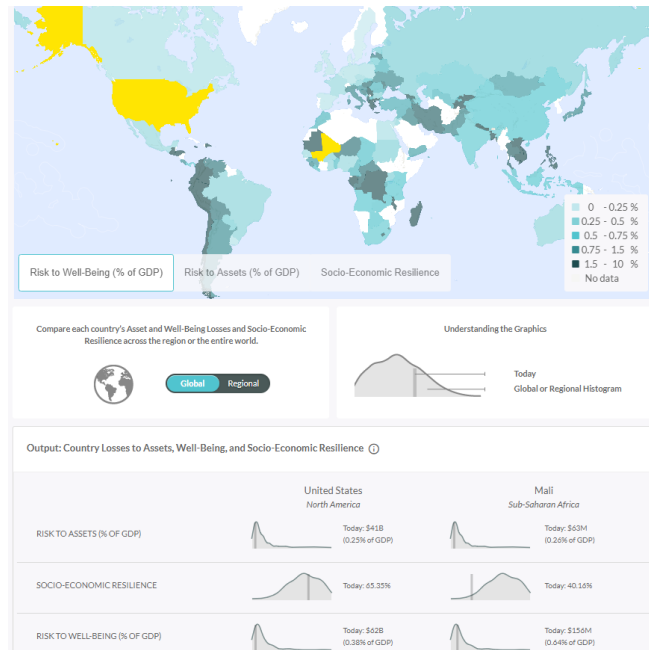


Year 2015 Chile: 0.6% GDP
Year 2017 Dominica: 215% GDP / Perú: 1.5% de su GDP

We also have 149 countries covered by the national-level estimates.

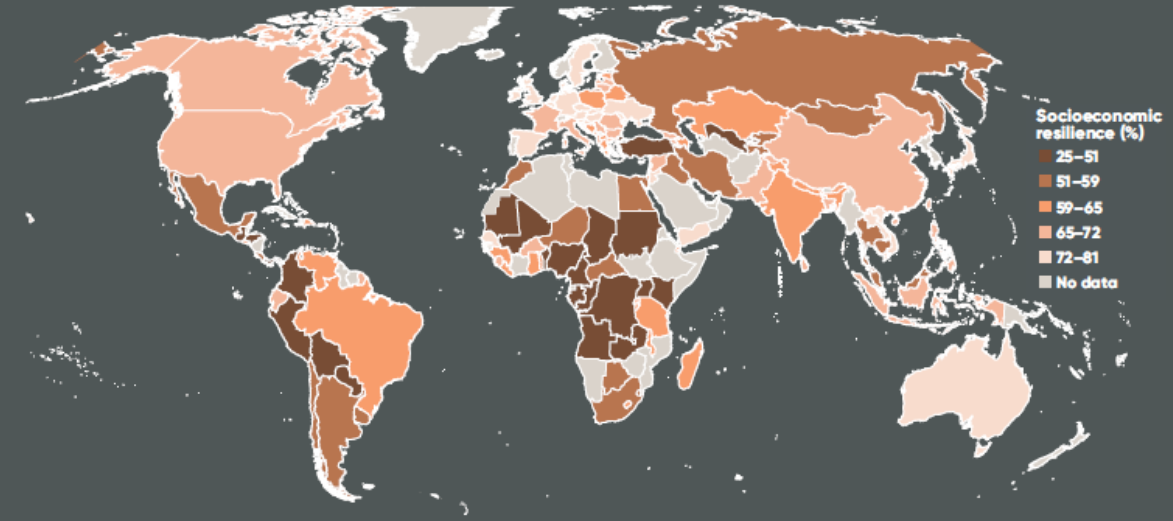
Reports are published, data platform under preparation

But open questions about how to ensure regular updates



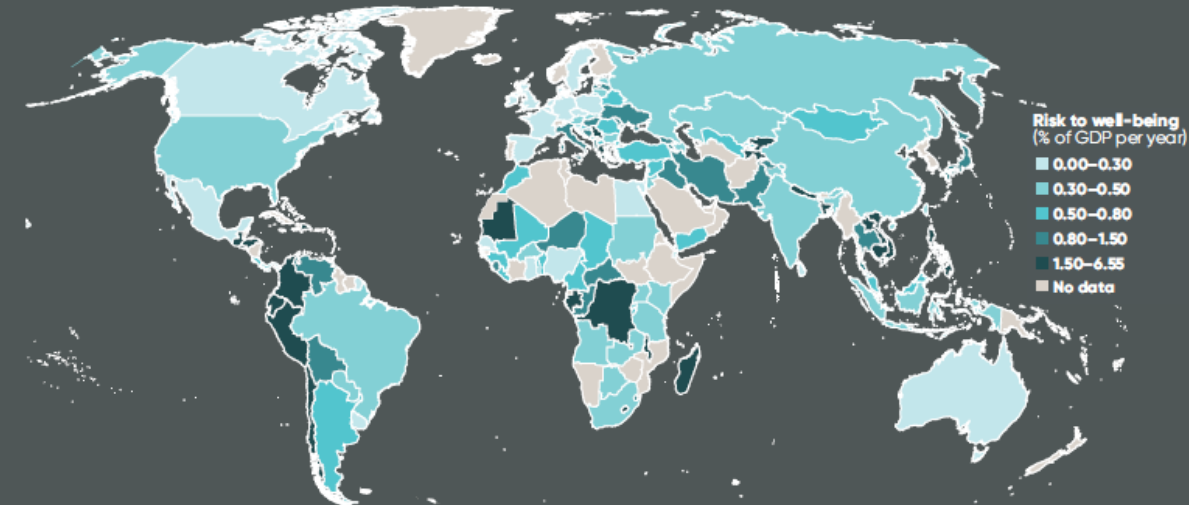
Map O.1: Socioeconomic resilience measures the ability of a population to cope with asset losses

Socioeconomic resilience (percent), 117 countries



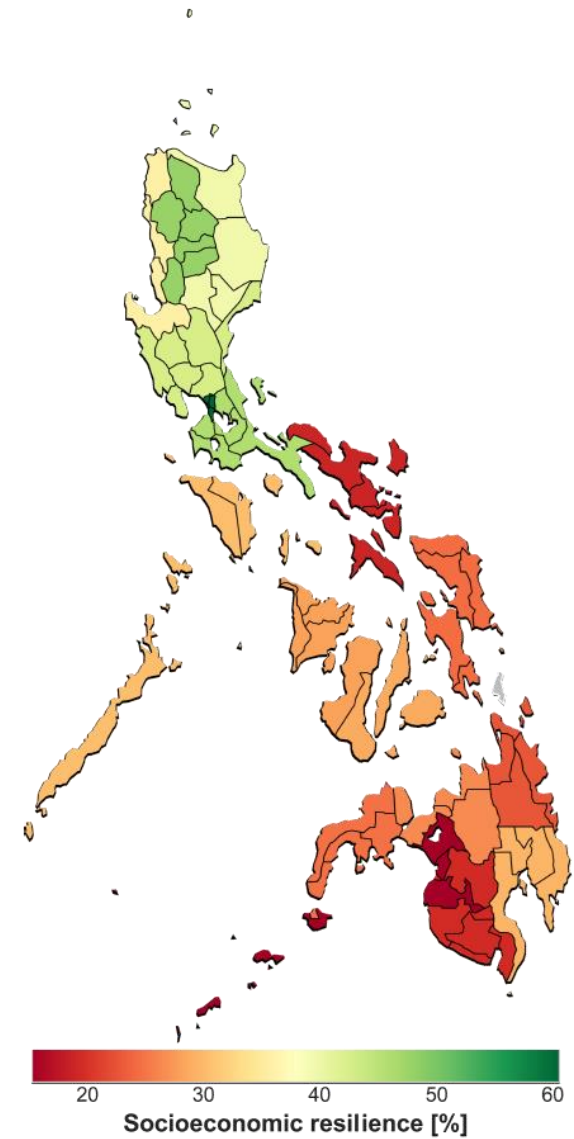
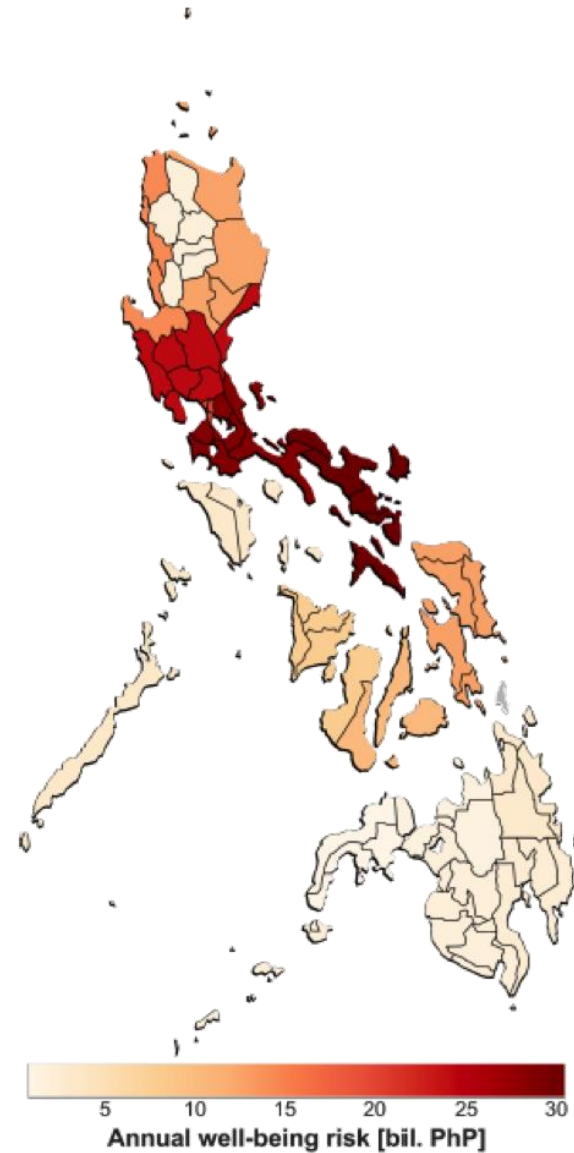
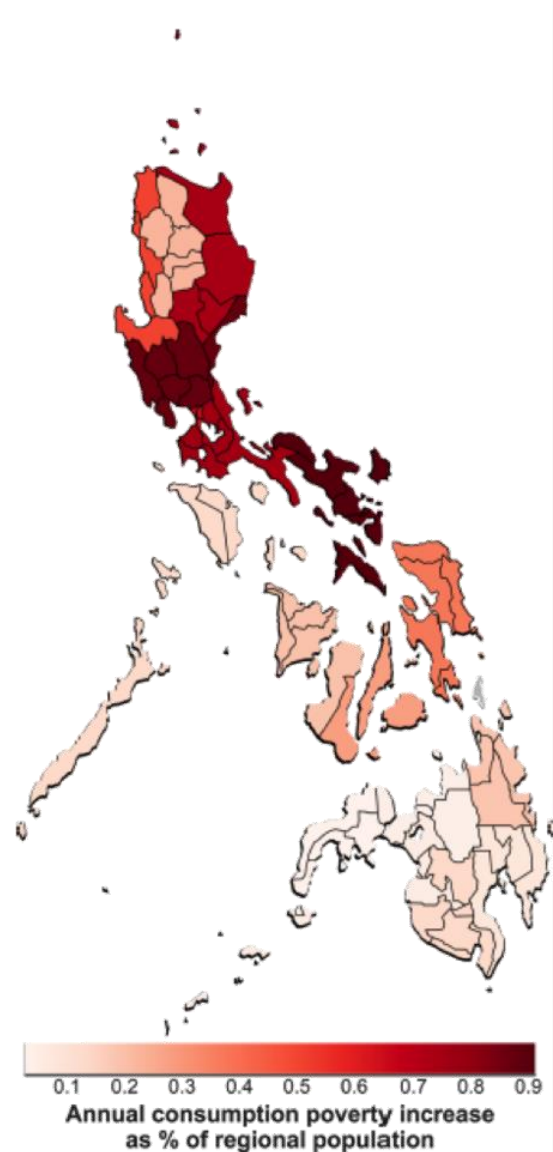
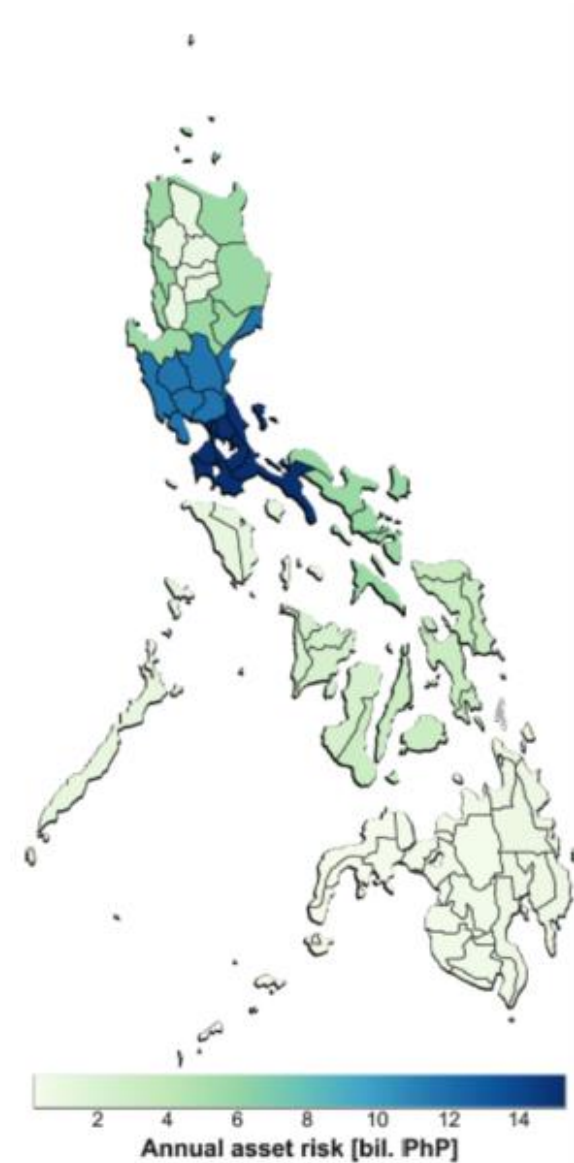
Map O.2: Risk to well-being combines hazard, exposure, asset vulnerability, and socioeconomic resilience

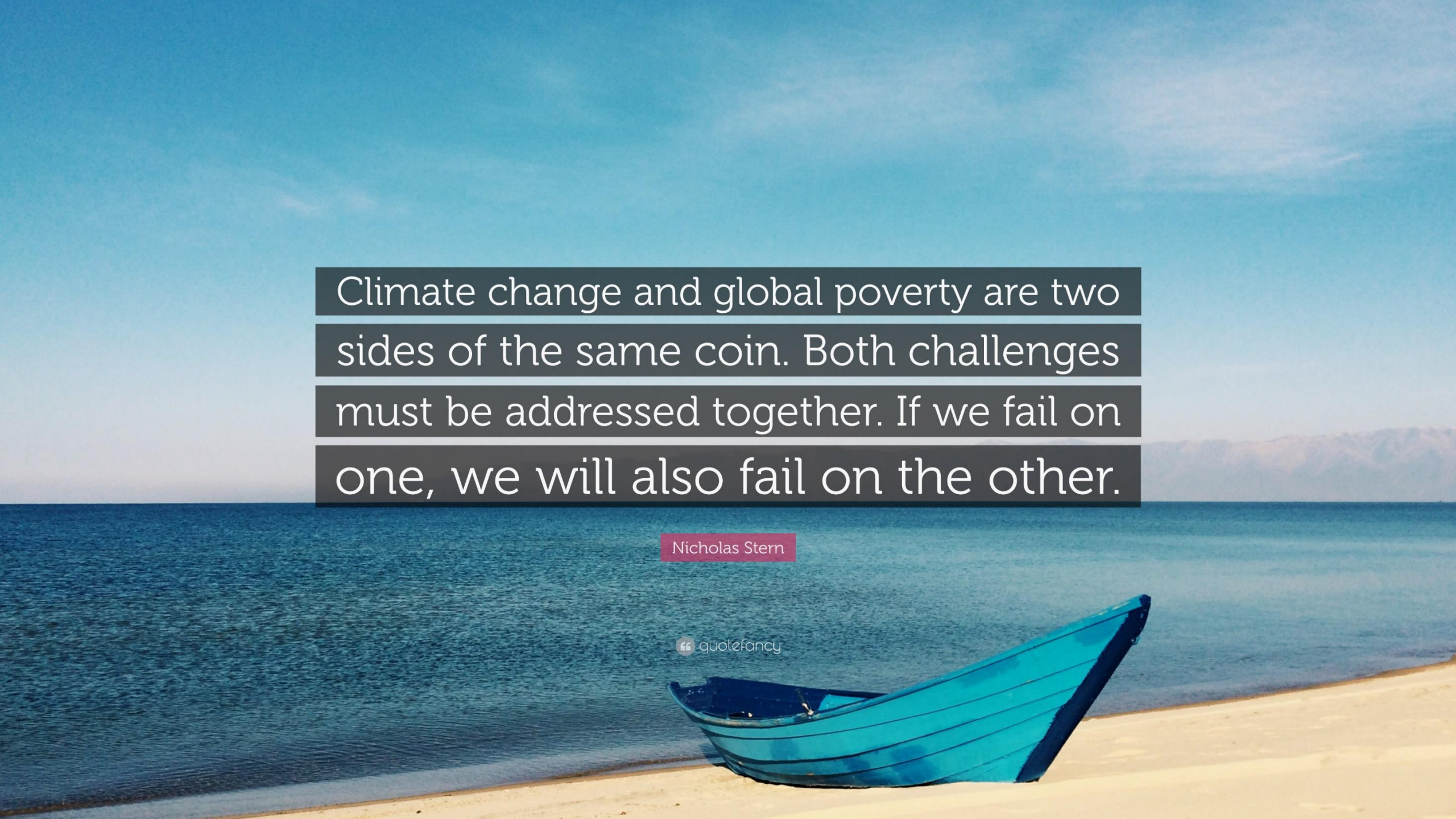
Risk to well-being as percent of GDP per year, 117 countries



Sources: World Bank estimates.

National scale analysis of natural disaster impacts.





Climate change and global poverty are two sides of the same coin. Both challenges must be addressed together. If we fail on one, we will also fail on the other.

Nicholas Stern

quote fancy

Climate change is a threat to the WBG's core mission

Increased Urgency & Leadership on Climate Change

Climate Impacts

100 million:

Additional people pushed into poverty by 2030

140 million:

People in 3 regions forced into internal migration by 2050

6% of GDP:

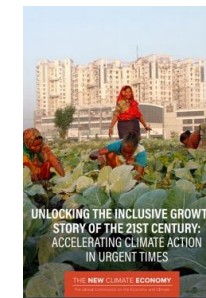
Loss due to water scarcity

Actions and Opportunities

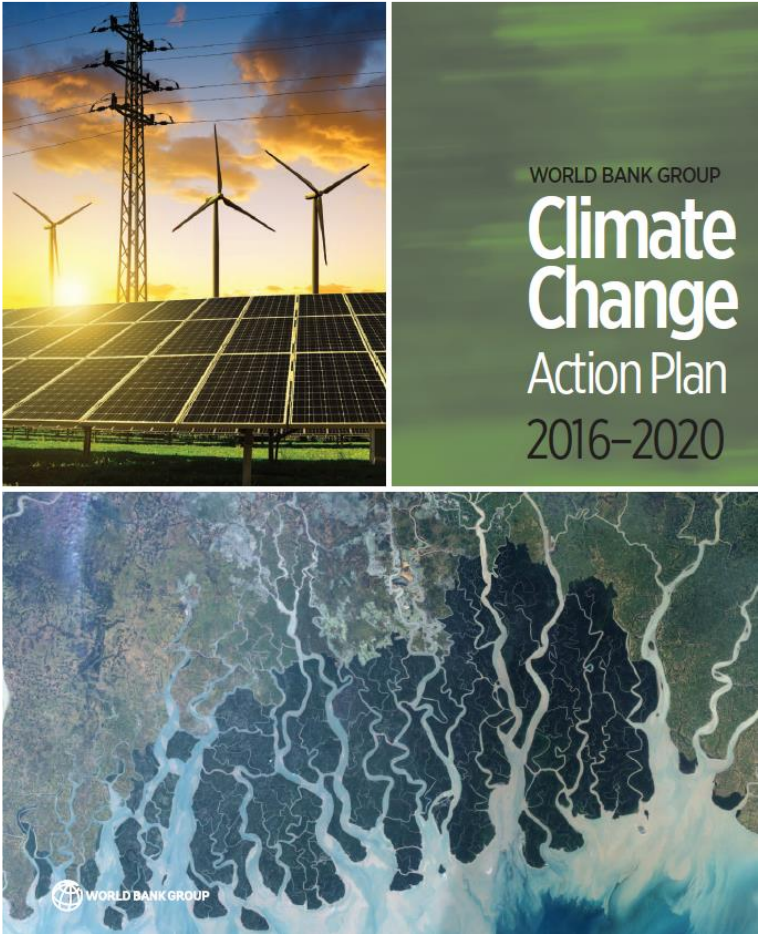
Climate risks would be significantly higher with between an increase of 1.5°C and 2°C, particularly for the poorest and most vulnerable; the window to act is rapidly closing (IPCC Report 2018)



Climate opportunities can be unlocked for US\$26 trillion economic gain and 65 million new jobs through 2030 (New Climate Economy 2018)

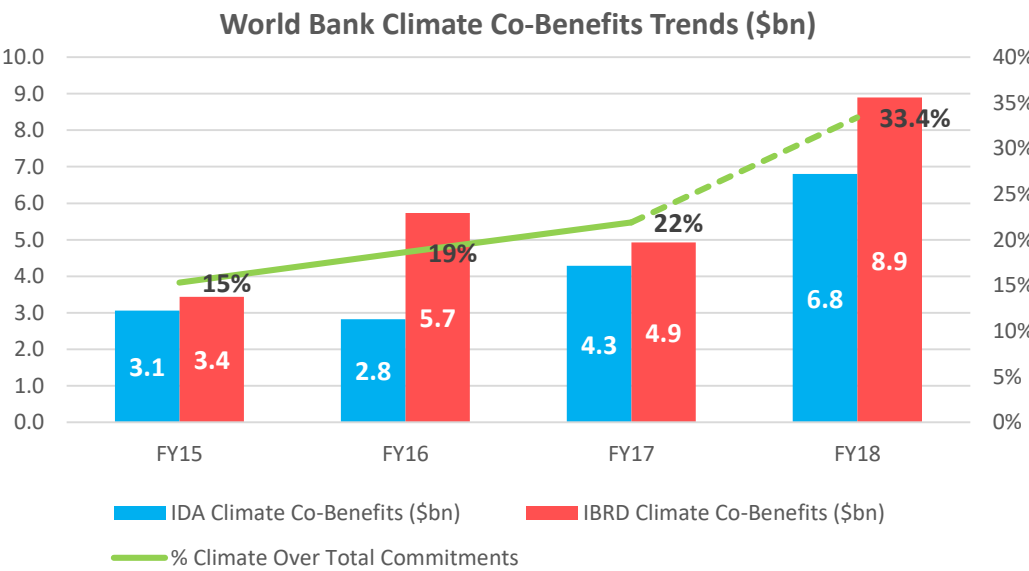
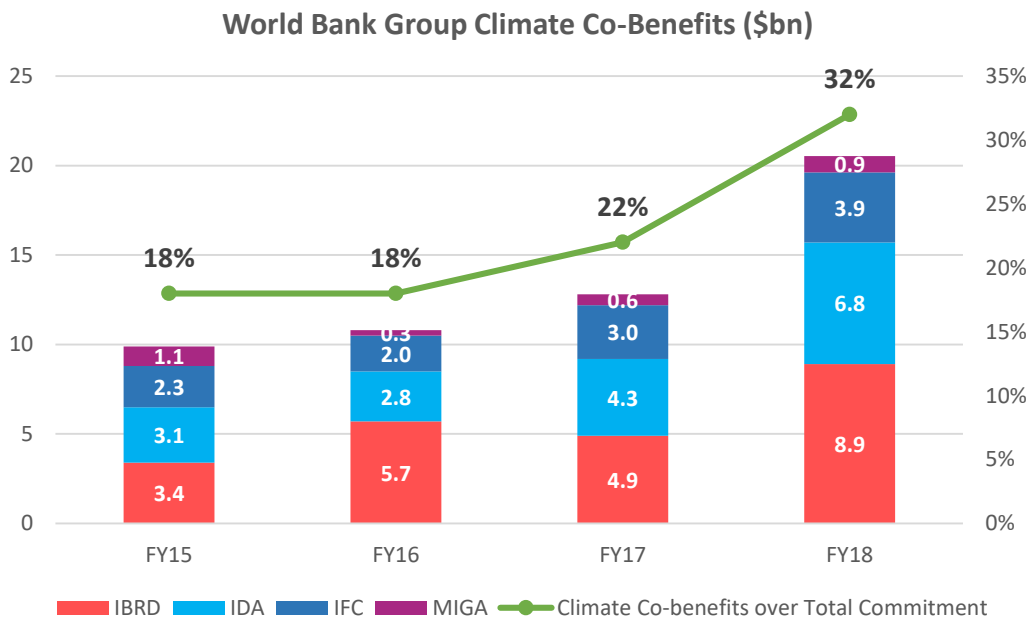


The World Bank has successfully linked climate and development financing.



WBG Target: 28% by 2020

- FY17:
- WBG 22%
- FY18:
- WB: 32 %

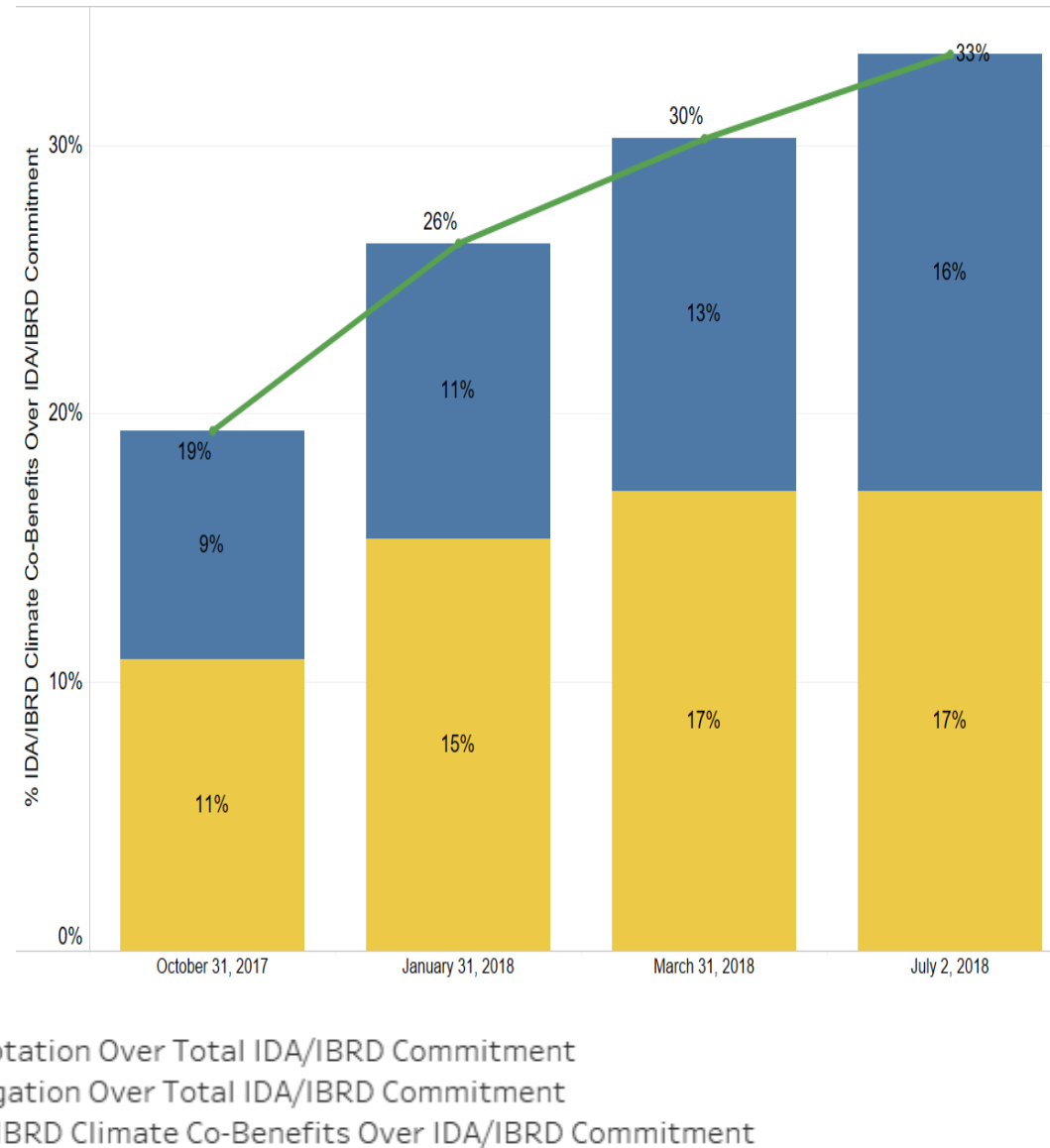


Mitigation and adaptation are equality important.

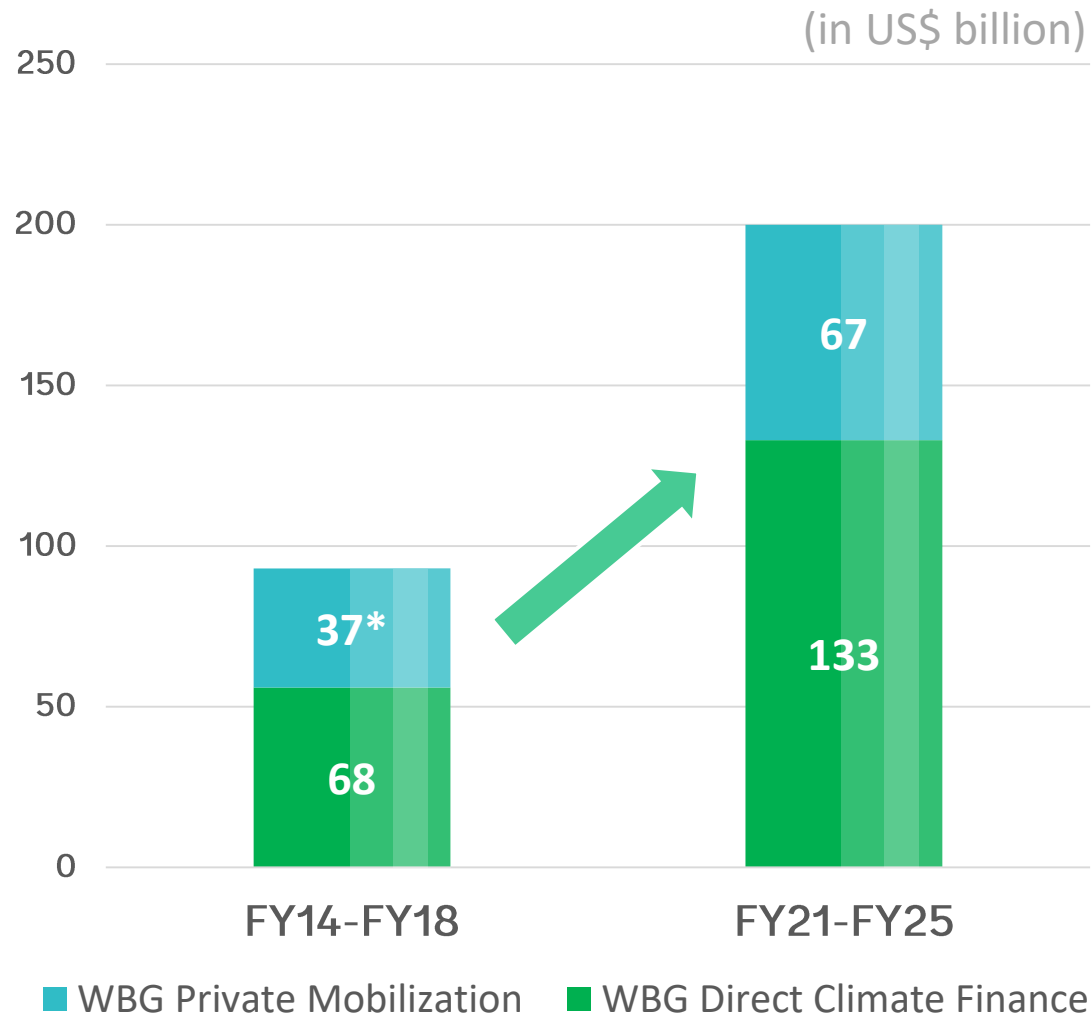
While MDBs focus on mitigation (75% of climate finance)

WBG has been able to balance with adaptation (49%) of climate finance.

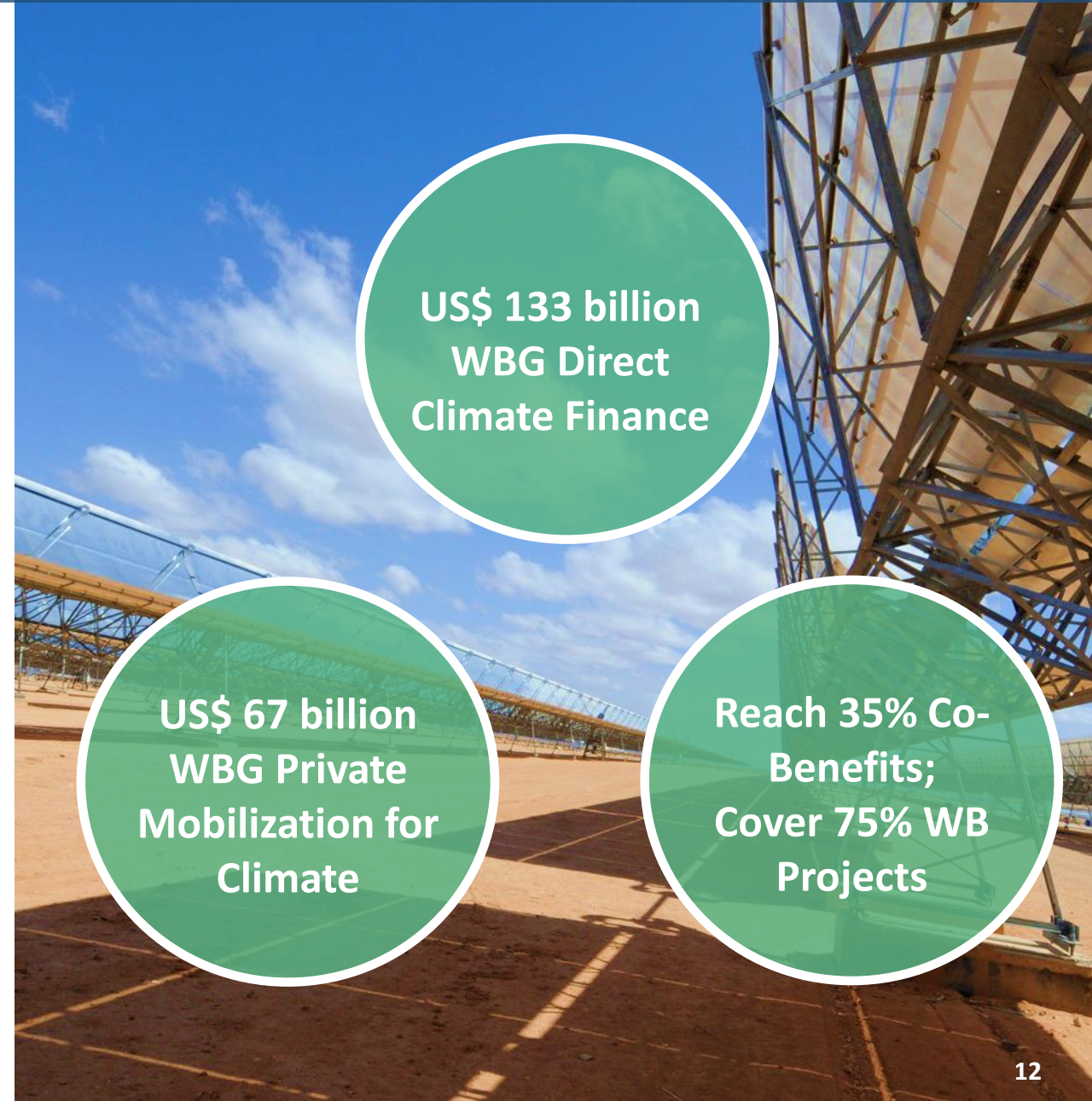
70% of projects report Climate cobenefits



WBG will mobilize 200 billion dollars between 2021 and 2025.



*FY14-FY18 mobilization number is derived from the FY15-17 annual average.



Climate Change Targets for 2025



1. **Systematically increasing direct financing** (\$133 billion from the WBG as a whole, double the last five years), and **deepening climate mainstreaming throughout World Bank Group.**



2. **Significantly increasing leverage of private finance** (\$67bn from WBG) and **creating markets for climate business.**



3. **Boosting support for adaptation.** Direct adaptation financing will reach around \$50 billion over FY21-25, while helping countries to increase the range of financial instruments, including insurance and other contingent financing.



4. **Increasing systemic impact in countries.** For example, WBG will support the integration of climate considerations into national policy planning, investment design, budgeting, public procurement and implementation and evaluation.



5. **Elevating climate actions in key sectors.** Such as supporting the generation, integration, and enabling infrastructure for 36 GW of renewable energy

Mainstreaming is the key to success



Climate Risk Screening
in project design



Track **Climate Outcomes** with
Specific Indicators



Further Integrate Climate into
country priorities)



GHG Emissions disclosure and
Carbon Pricing



More **Analytics and Tools** to
support policy



Walking the talk in
WBG Global Facilities

THE WORLD BANK GROUP'S

Action Plan on Climate Change Adaptation and Resilience

MANAGING RISKS FOR A MORE RESILIENT FUTURE



Saint-Louis, Senegal, slowly sinking under water. Photo Credit: Greta Rybus

Strengthening Adaptation and Resilience

Finance

**\$50bn
between
2021/2025**

MFD

**Private
sector
leveraging**

Metrics

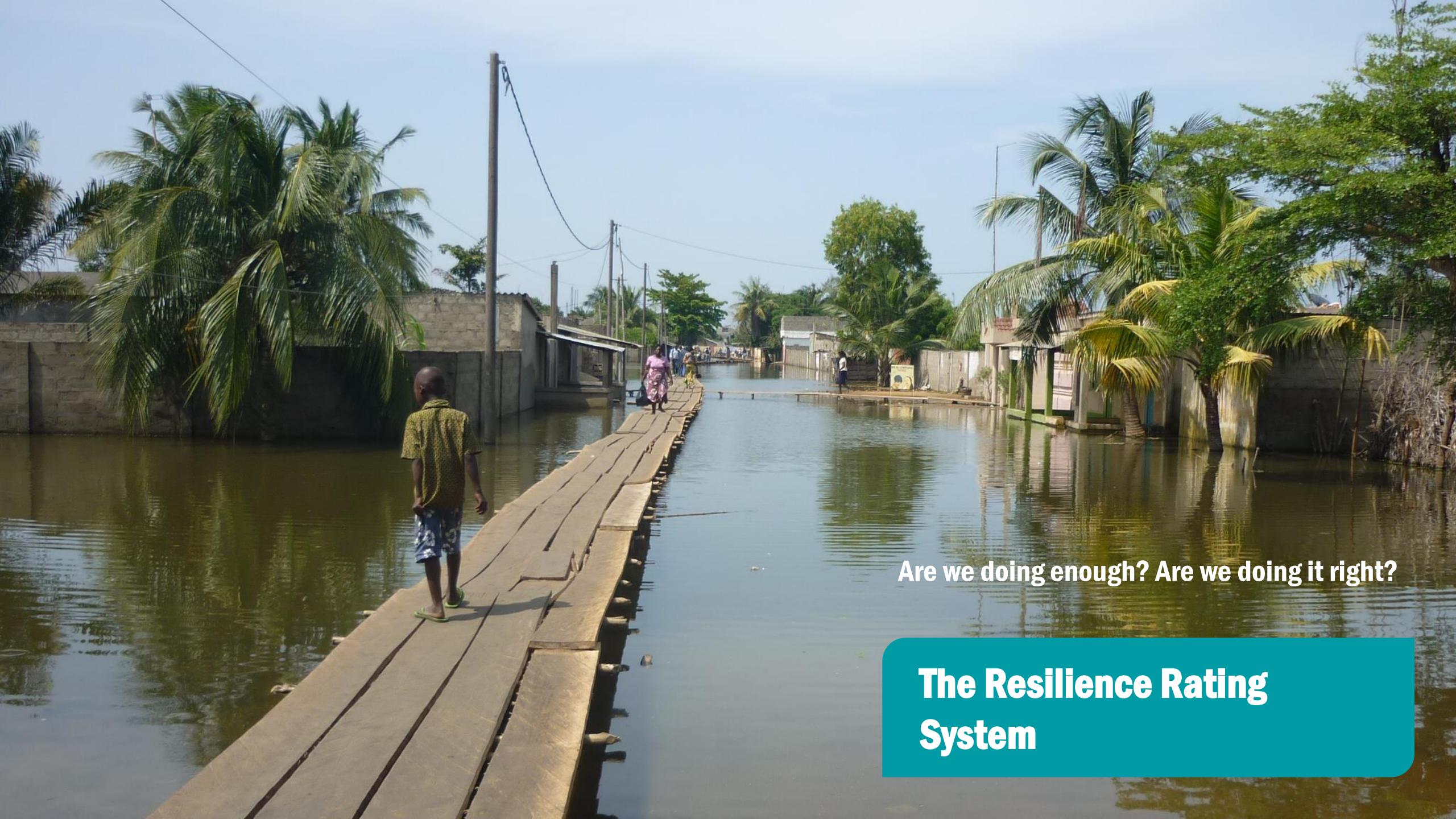
**Develop
resilience
metrics**

FCV and Gender

**Integrate with
FCV and
Gender**

Sectoral Resilience

**DRM
Water Security
Financial Sector
Human Dev.
Coastal**

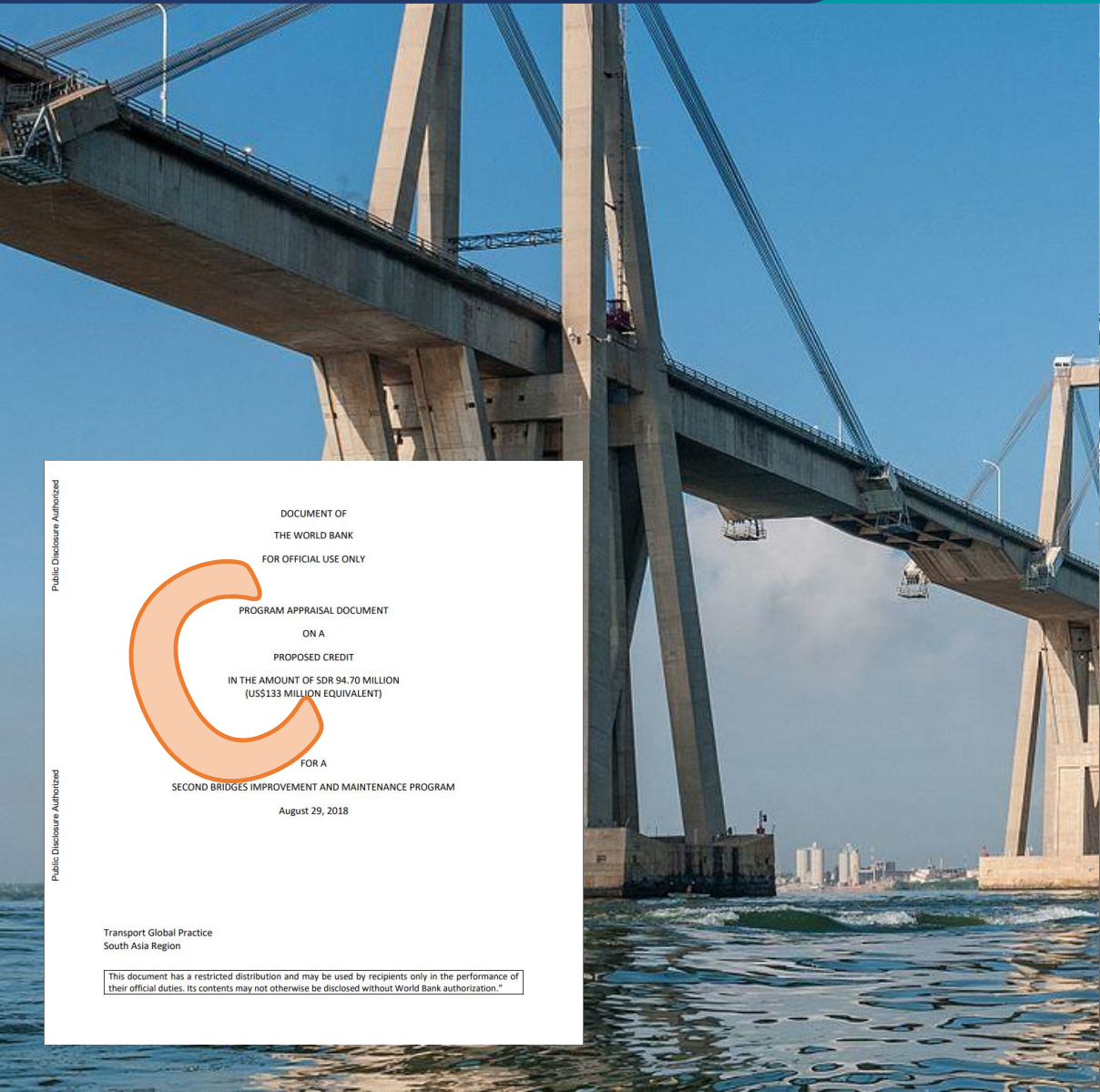


Are we doing enough? Are we doing it right?

The Resilience Rating System

Resilience *of* project

How resilient are our projects?
Will they deliver in spite of climate change?



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PROGRAM APPRAISAL DOCUMENT
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PROPOSED CREDIT
IN THE AMOUNT OF SDR 94.70 MILLION
(US\$133 MILLION EQUIVALENT)

FOR A
SECOND BRIDGES IMPROVEMENT AND MAINTENANCE PROGRAM

August 29, 2018

Transport Global Practice
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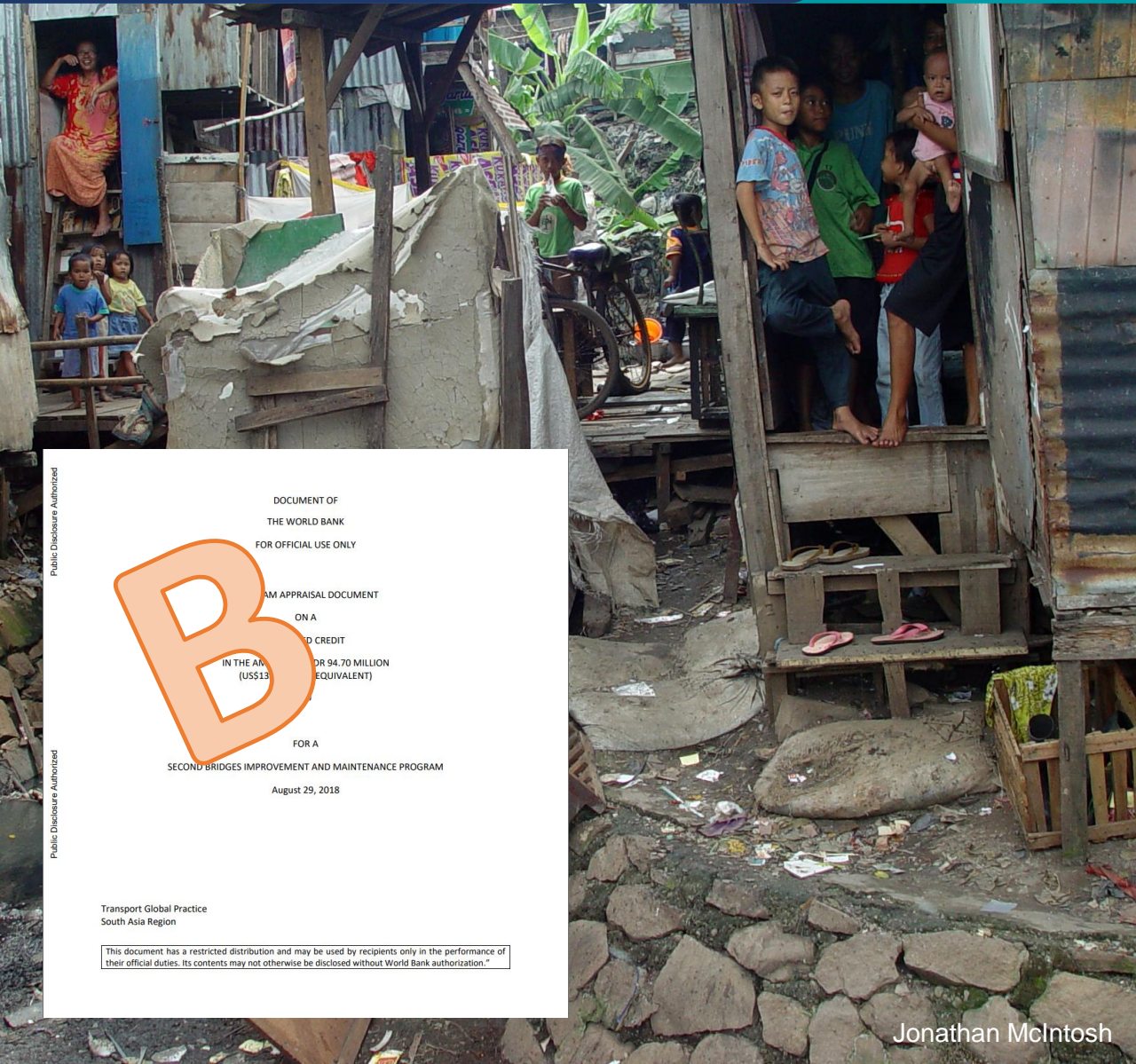
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Resilience *through* project

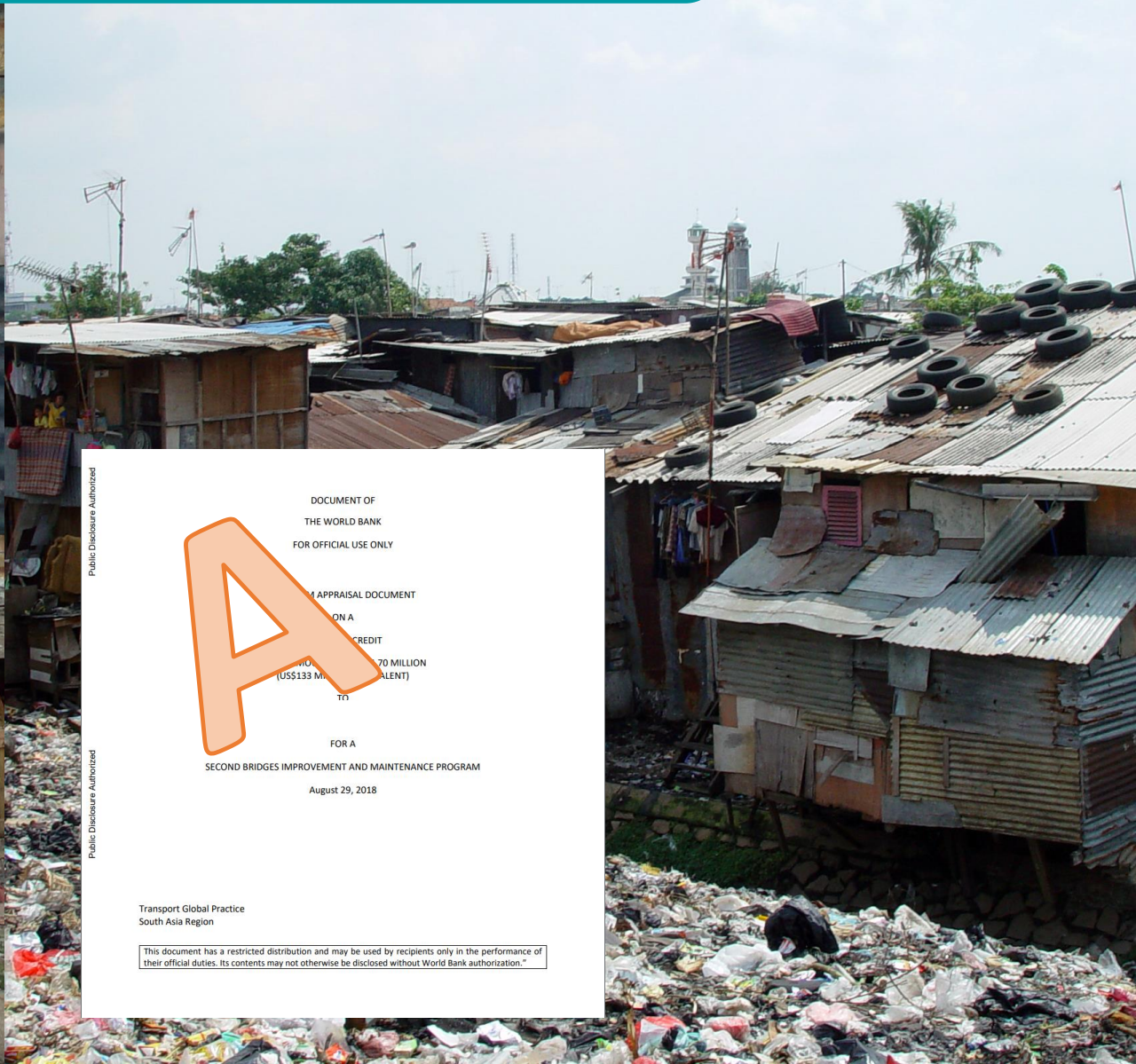
How much do our projects contribute to people's resilience?



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Jonathan McIntosh



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Carbon Markets and Innovation – VISION

Enhance global ambition through climate markets



Mobilize capital for resilient and low carbon growth by connecting climate markets

Investment services

Mobilize public and private capital. Create initial market liquidity:

- Create initial demand
- Generate supply of climate assets

E.g. [Transformative Carbon Asset Facility](#), Article 6 ASA

Knowledge services

Develop concepts and methodologies around:

- Asset creation and exchange
- Regulation and institutional frameworks
- Carbon Pricing policies

E.g. [Carbon Pricing Dashboard](#), [State and Trends of Carbon Pricing Report](#), [Networked Carbon Markets](#), [Partnership for Market Readiness](#), Article 6 ASA

Advisory services

- Build countries' readiness and infrastructure to generate and transfer climate assets
- Support low-carbon development policies and instruments
- Strengthen and harmonize clients' NDCs

E.g. [Partnership for Market Readiness](#), Article 6 ASA

Advocacy services

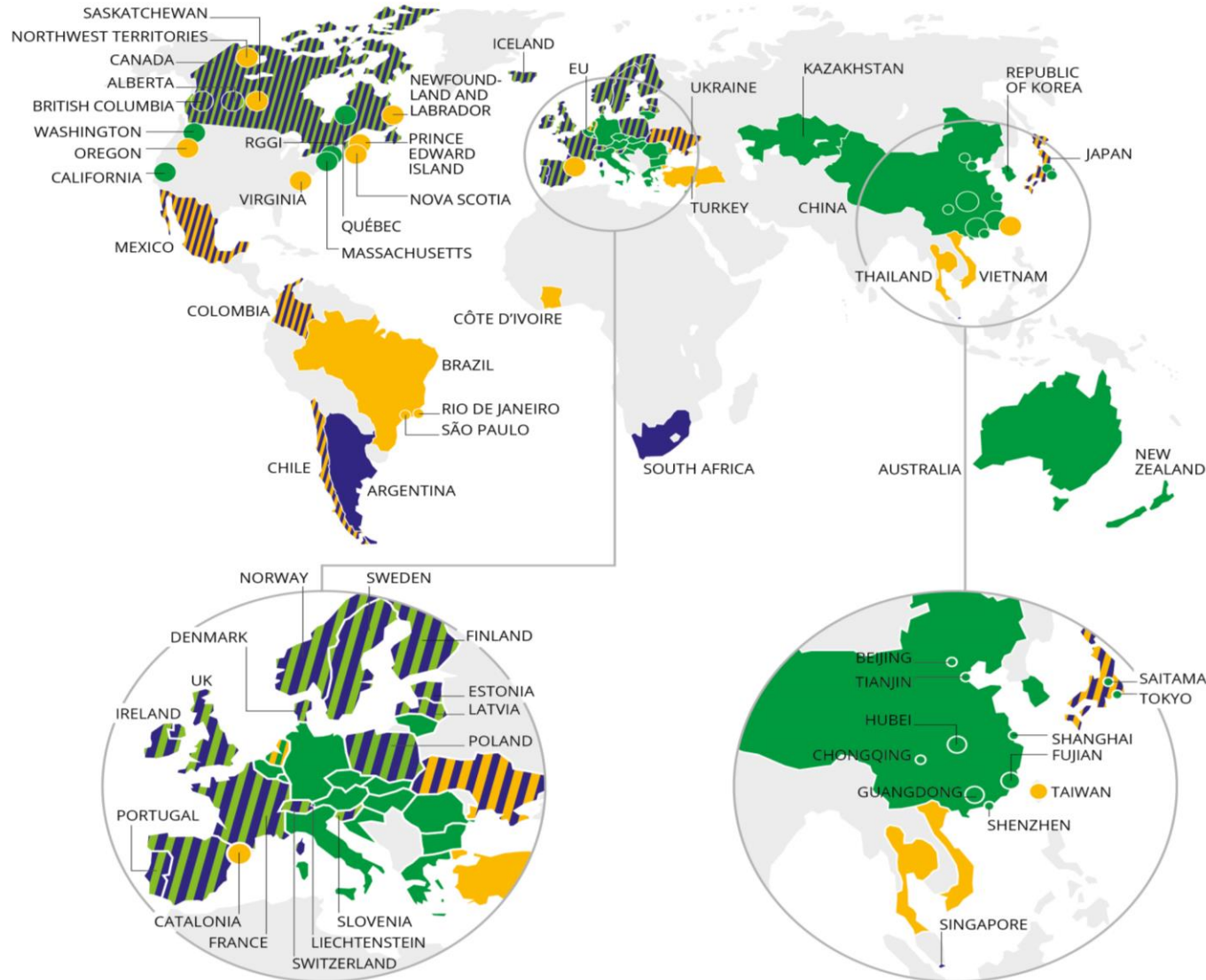
- Understand stakeholders' expectations
- Partner with key/interested stakeholders
- Build consensus and awareness on key design elements

E.g. [Carbon Pricing Leadership Coalition](#)



WORLD BANK GROUP
Climate Change

Carbon Pricing Mechanisms around the world

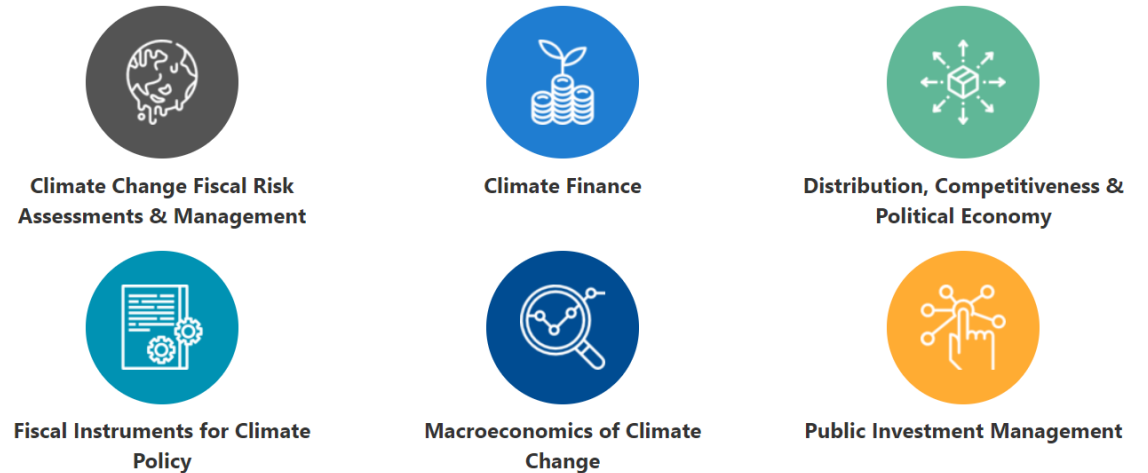


46 national and 24 subnational jurisdictions are putting a price on carbon

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

Climate Action Peer Exchange (CAPE)

- CAPE is a **knowledge exchange forum**, hosted at the WBG, for finance ministries to discuss common challenges and good practices for developing climate and environmental fiscal policies for NDC implementation.
- CAPE carried out **5 technical workshops** and engaged **40 finance ministries**.
- **Technical partners** include IMF, Green Fiscal Policy Network (UNEP, GIZ), and local institutes.
- **Analytical work**
- **In-country support**
- **Internal and external communications**

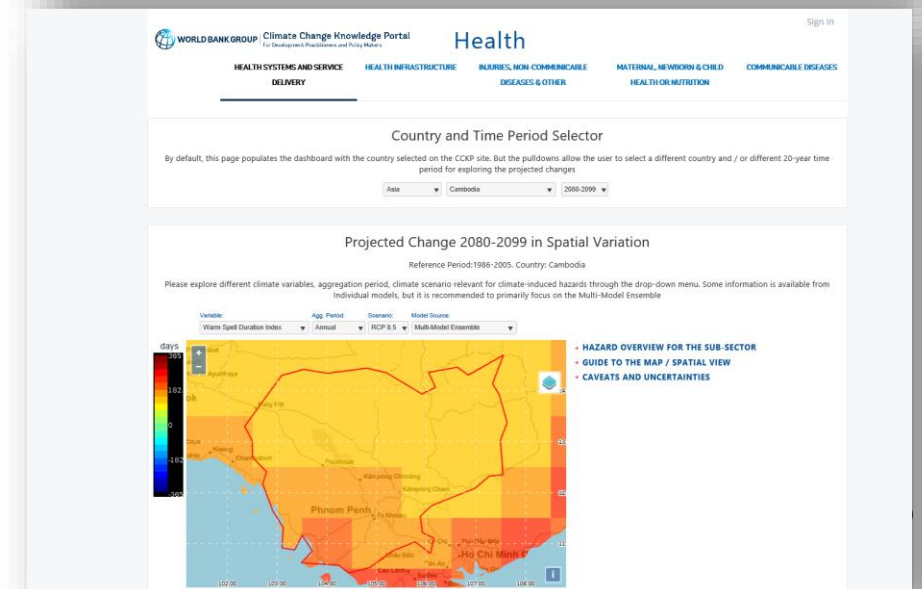
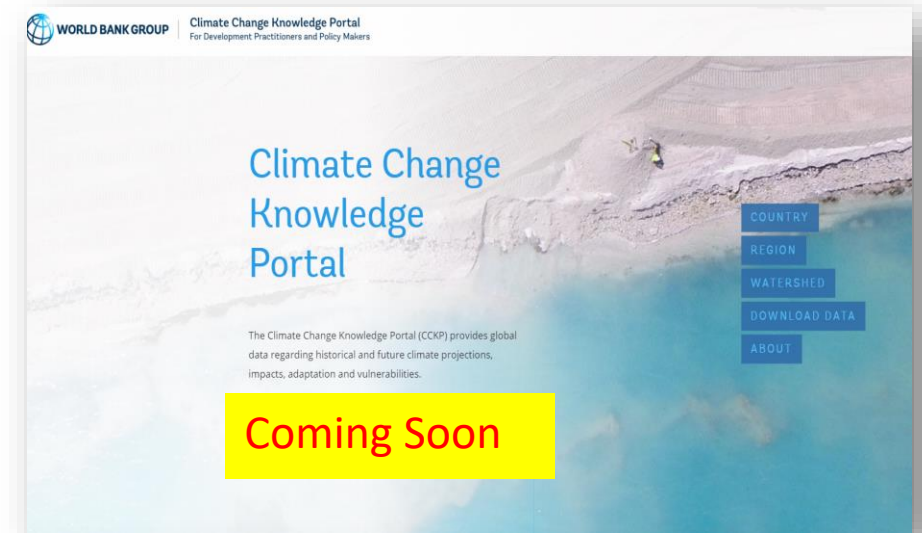


Next Steps

- Budget \$1.5M, CAPE will deliver 3-4 technical workshops annually till FY2020.
- CAPE supports WB country economists in dialogue with Finance Ministries.

Global climate data

- **Climate Change Knowledge Portal (CCKP)**, geo-referenced climate data, climate-related information and tools for policy makers, development practitioners, and researchers.
- **Climate for sector dashboards**, designed to facilitate the **Climate & Disaster Risk Screening** process. The key features include:
 1. Interactive Graphics
 2. Subsector-related Climate Indices Packaging
 3. Subsector-specific Climate Hazard Overview
 4. Guide to Climate Data Interpretation



THE NEW GROWTH AGENDA



Source: The results cited for the US\$26 trillion in direct economic benefits are cumulative for the 2018–2030 period, whereas the other data points reported are for the year 2030. Source: Garrido, L., et al., 2018

[newclimateeconomy.report](#)

THE NEW CLIMATE ECONOMY

The Global Commission on the Economy and Climate

A close-up photograph of António Guterres, Secretary General of the United Nations, speaking at a conference. He is wearing a dark suit, a light blue striped shirt, and a red tie. He has a white headset microphone on his left ear and is gesturing with his right hand. The background is a blue and white patterned curtain.

FINANCE MINISTER COALITION

ON CLIMATE ACTION

“We need a new economic framework that integrates climate and natural disaster risk for all aspects of finance, planning and budgeting.”

António Guterres, Secretary General, UN,
Bali Annual Meetings, 2018.