



Addressing Climate Change and Building Resilience at the Local Level through Public-Private-People Partnerships (PPPPs)

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**I. Emerging challenges and impact of COVID-19
Pandemic and climate crisis on the SDGs**

**II. Major governance challenges in addressing
climate change**

III. IPCC and COP 26

IV. Partnering with the Private Sector

V. Innovative Partnerships



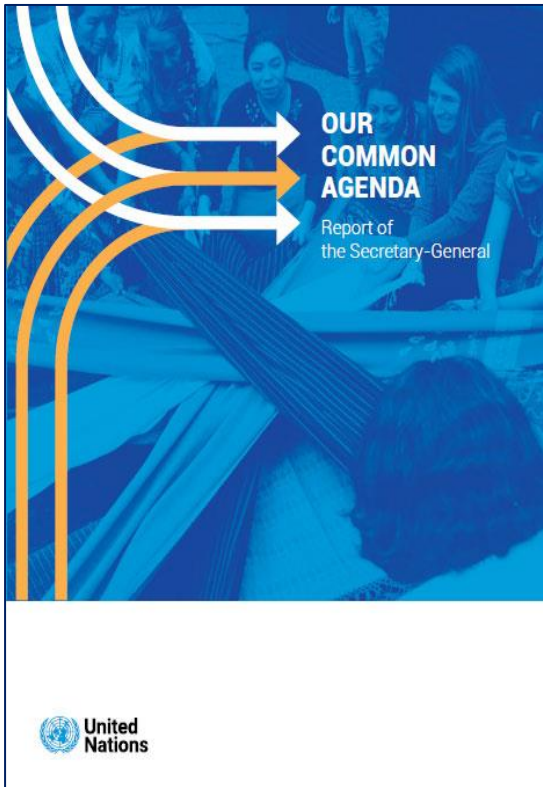
UN Secretary-General's Report on "Our Common Agenda"

Our Common Agenda presents the UN Secretary-General's vision on the future of global cooperation through an inclusive, networked, and effective multilateralism.

Key Points of the Report

"Our Common Agenda" – It highlights that –

- ✓ we are at an inflection point in history.
- ✓ humanity faces a stark and urgent choice: **breakdown** or **breakthrough**.
- The COVID-19 pandemic has served as a wake-up call and the world is experiencing its biggest shared test since WWII. The pandemic is threatening
 - ✓ *health, destroying economies and livelihoods*
 - ✓ *deepening poverty and inequalities*.



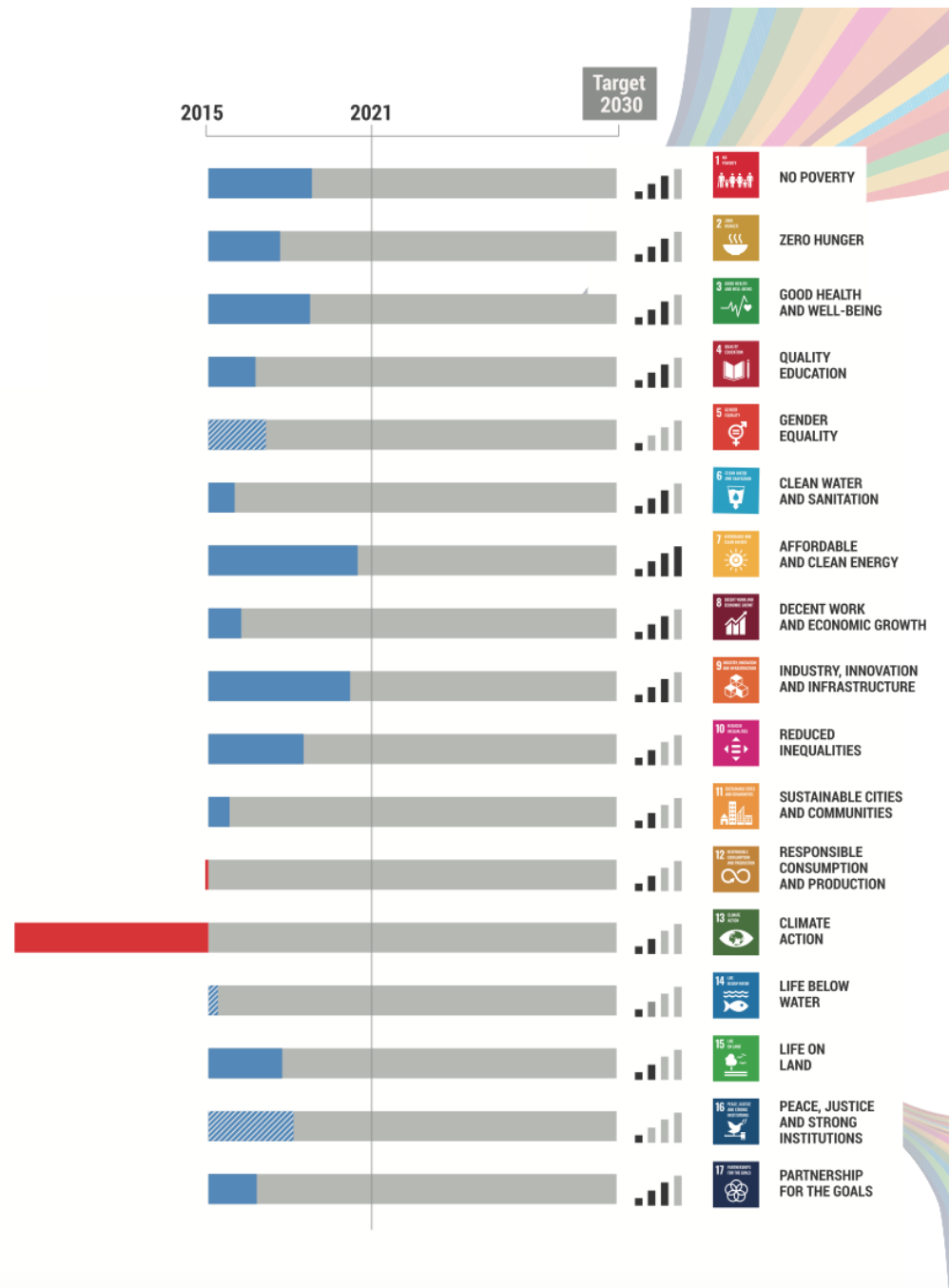


Pakistan: an extreme weather event

- 1,300 dead, mainly women and children
- 3.3 million people affected by floods
- \$10 billion estimated losses

Snapshot of SDG progress so far in Asia and the Pacific, 2021

(ESCAP 2022)





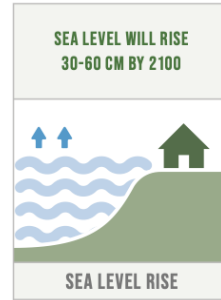
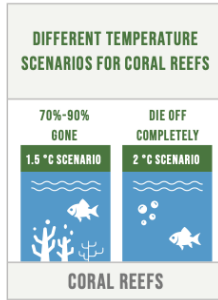
TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS



CLIMATE CHANGE

IS HUMANITY'S "CODE RED" WARNING

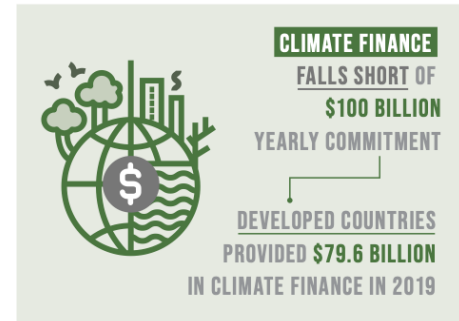
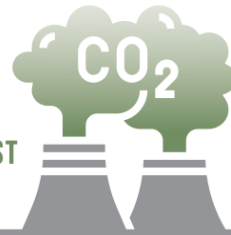
OUR WINDOW TO AVOID CLIMATE CATASTROPHE IS CLOSING RAPIDLY



ENERGY-RELATED CO₂ EMISSIONS INCREASED

6% IN 2021

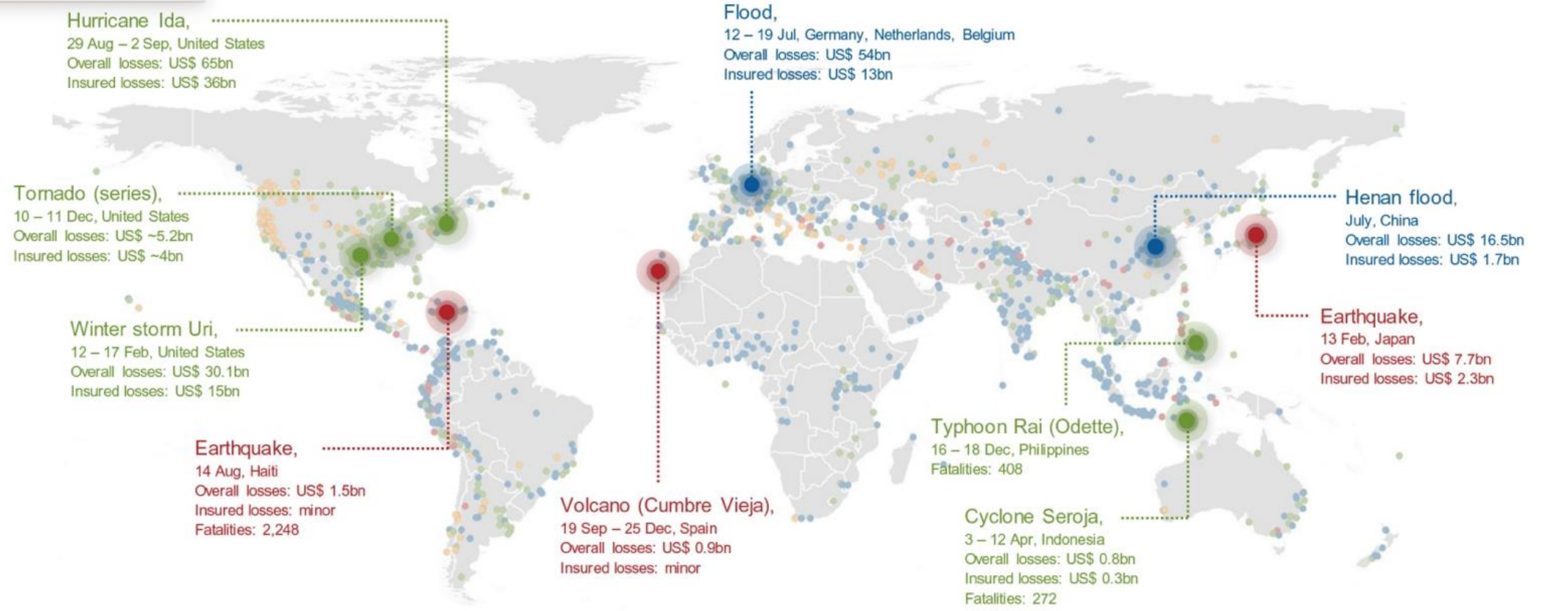
REACHING HIGHEST LEVEL EVER



SDG Report 2022

2021 in Review: a picture of insured losses

World map of natural disasters 2021



Geophysical events
Earthquake, tsunami, volcanic activity

Meteorological events
Tropical storm, extratropical storm, convective storm, local storm

Hydrological events
Flood, mass movement

Climatological events
Extreme temperature, drought, wildfire

○ Significant catastrophes
○ Small, medium and large loss events

Source: Munich Re, NatCatSERVICE, 2022

SDG 16

- Promote peaceful and inclusive societies
- Effective, accountable and inclusive institutions
- Corruption costs developing countries \$1.26 trillion

The resilience challenge

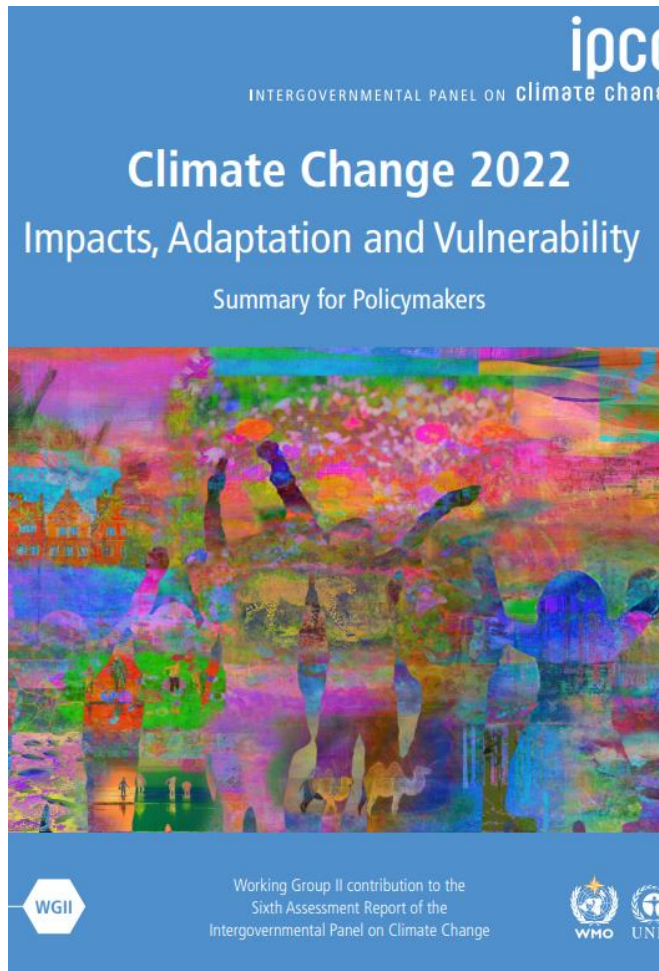
- The changing risk landscape
- Resilience and the SDGs
- Public-Private-People Partnerships

Governance challenges in addressing climate change

Climate Change is intrinsically linked to everything else

- Energy, land use, food, water, transportation, trade, development, housing, investment security
- Weak governance
- Lack of innovation
- A silo approach to problem-solving

What is Climate Action?



- The process of adjustment to actual or expected climate and its effects, in order to moderate harm or exploit beneficial opportunities. -IPCC
- Examples: Desalination processes and larger water tanks to deal with increased rainfall and risk of flooding in the Maldives, setting up early warning systems in Kiribati.
- COP26: UN Secretary-General Guterres recommended that 50% of climate financing be spent on adaptation.



“ It is time to go into emergency mode – or our chance of reaching net zero will itself be zero

UN Secretary General

”

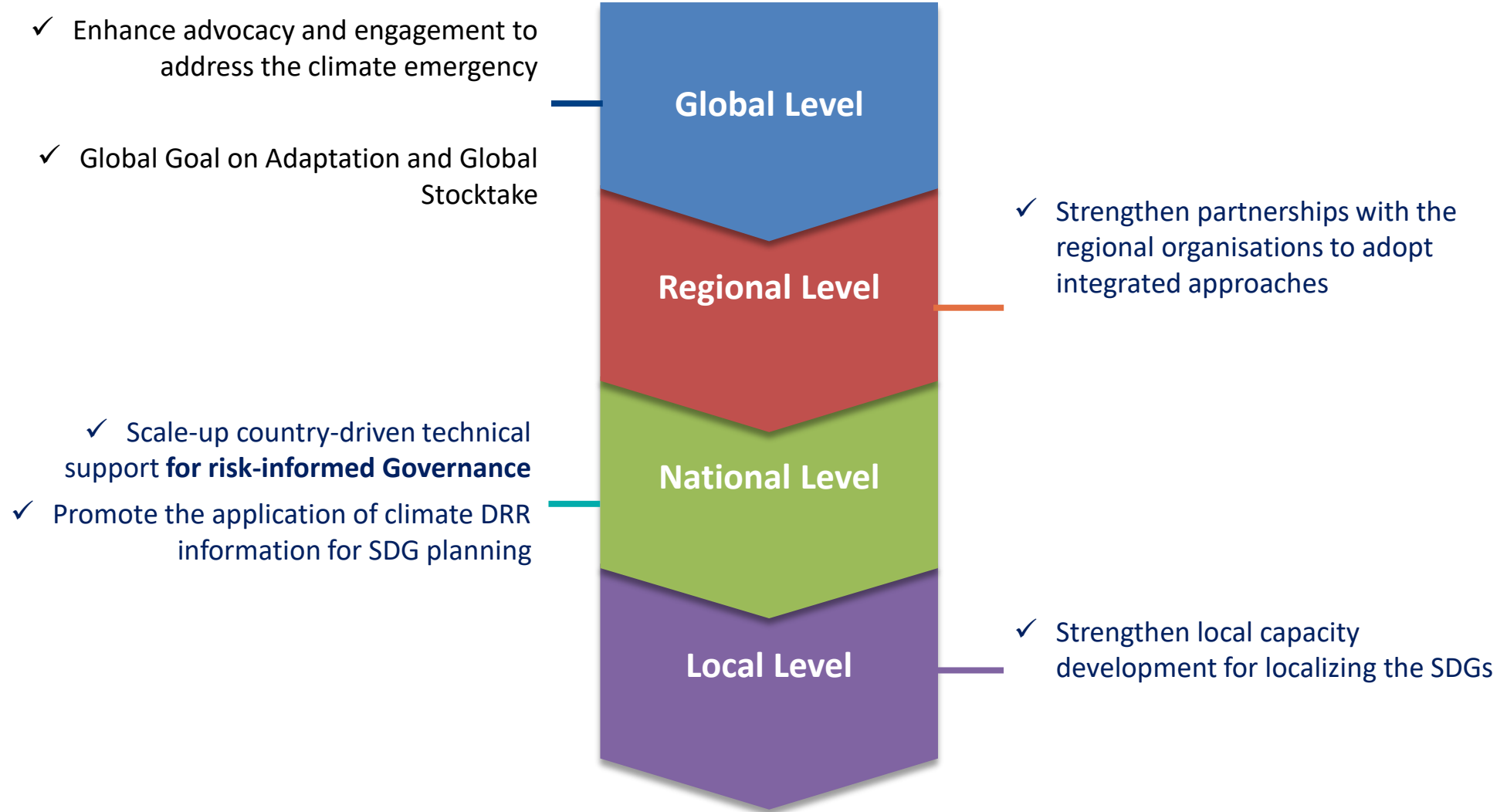
- ❑ According to the IPCC, **emission levels should be reduced by 45% by 2030** compared to 2010 in order to achieve the 1.5-degree target
- ❑ However, a lowered ambition on decarbonization → **Need to prepare for a world of 1.5 °and beyond** → Increase in magnitude, intensity and frequency of extreme events
- ❑ To date, we have already reached **1.1 degree C** of warming, and impacts are already being felt in every region
- ❑ Variability across countries and regions → Implication on planning process and the need to invest in risk knowledge

Glasgow Pact on Climate Change

1. Emphasizes the urgency of scaling up action and support, including **finance, capacity- building and technology transfer, → International cooperation for resilience building**
2. Recognizes the importance of **demand-driven technical assistance** in building capacity to implement approaches... → **Coordination and targeting in assistance**
3. Acknowledges the important role of a **broad range of stakeholders at the local, national and regional level, → Inclusiveness and localization**
4. Acknowledges the importance of coherent action to respond to the scale of needs caused by the adverse impacts of climate change → **Integrated approaches**



Addressing the challenge

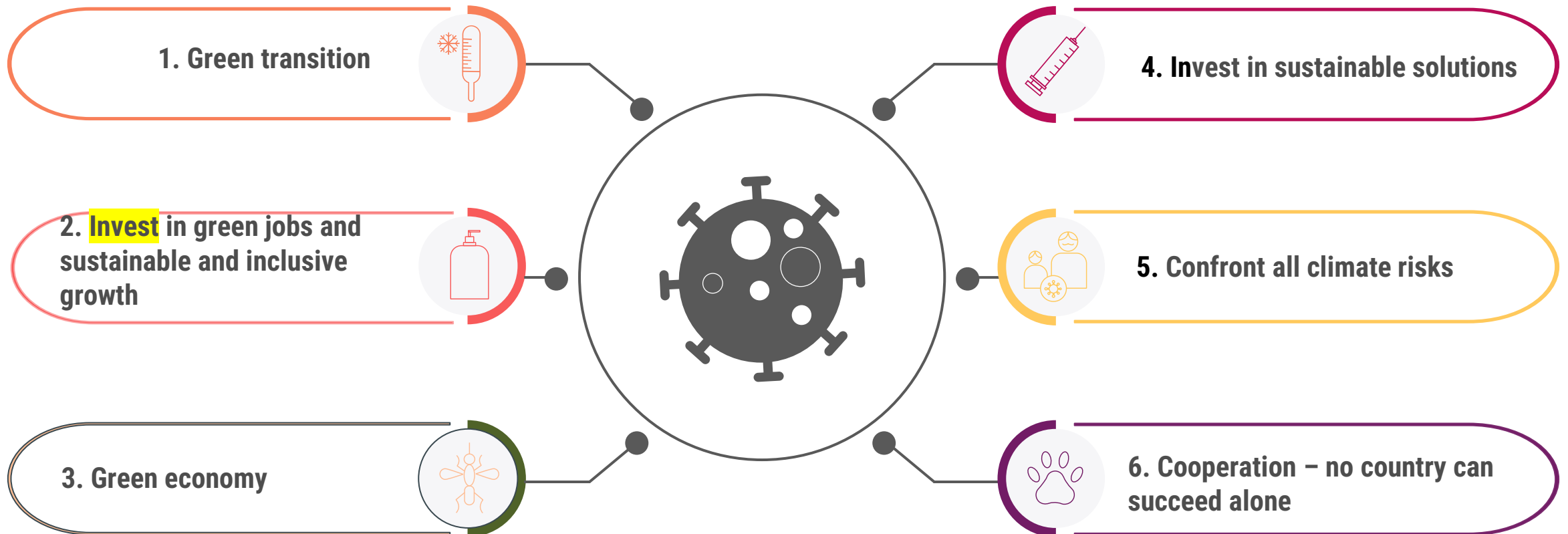




Climate Change and COVID-19

The current COVID crisis is an opportunity for a profound, [systemic shift to a more sustainable economy](#) that works for both people and the planet.

Secretary-General's Initiative [six climate-related actions](#) to shape the recovery:





Partnering with the Private Sector (PPPP)

- Mobilizing private sector expertise
- Innovative thinking
- Promote Investment capacity in climate-smart infrastructure
- Partnerships between Governments, the private sector, and citizens have demonstrated quick responses: **remarkable creativity and new forms of collaboration**

Transformational change

- Social protection
- Clean energy and industry
- Sustainable food systems

The role of E-government

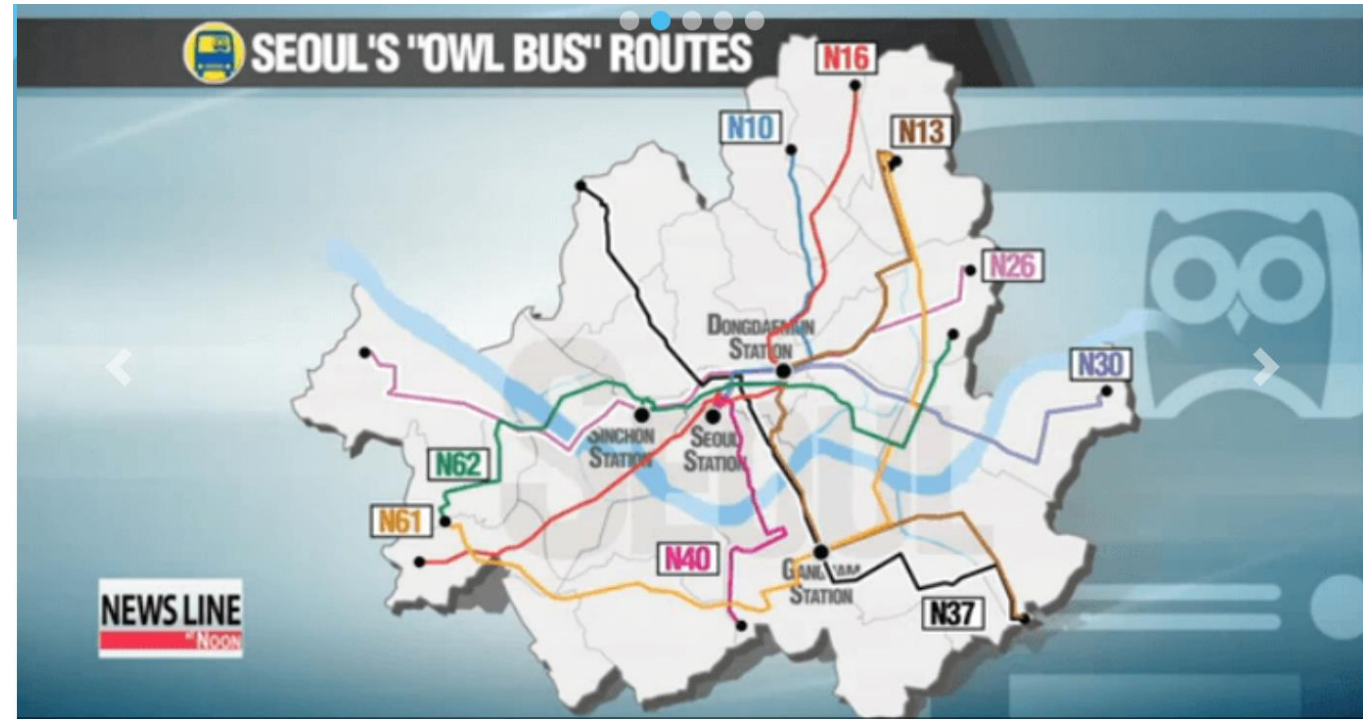
- Online services
- Telecommunications Infrastructure
- Human capital



Innovative Approaches

Seoul Night bus based on Big Data Technology” The Owl bus”

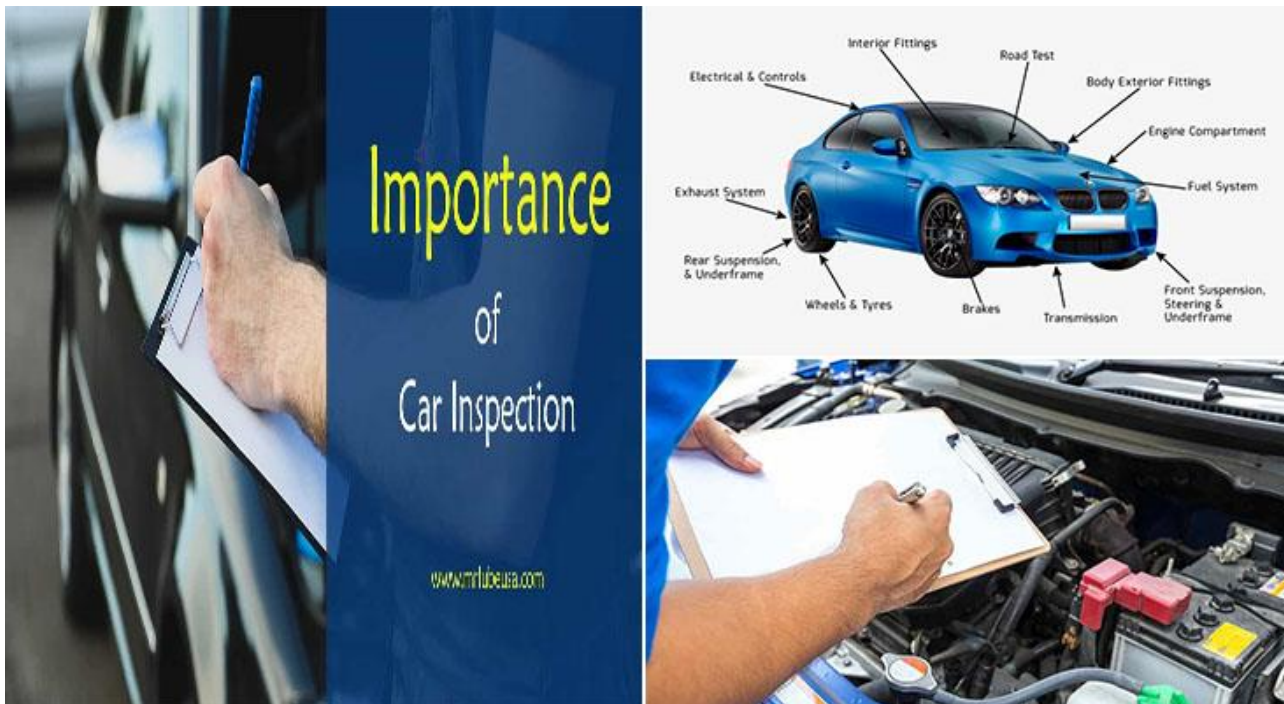
- Partnership between Seoul, KT Corporation
- using big data to design the optimal bus routes (visualizing the moving pattern of citizens on a map)
- Private users and drivers with real time operation information



Source: DESA Working Paper (ST/ESA/2020/DWP/169)



Government of Mauritius Partnership with Private Sector for imported used cars



- Partnership between Government and Interlek
- Enhancing quality of used vehicles
- Verification and inspection scheme for used vehicles
- Incentives for low and no emissions vehicles

Source UNEP (2020)



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Partnership and action works



Since 1995 Scotland has implemented a **national coordinated planning policy** that addresses all water management issues on a catchment area-wide basis

Property developers, insurers & others engaged

Construction on flood plains is now almost zero

Success of initiative is undisputed

Of 29 local authorities only Moray did not participate – still suffers floods and difficulties in accessing insurance

By contrast England in 2014 - \$1.6bn flood losses

Source: UNDRR



GENERAL PREPARATION PRE-HURRICANE SEASON



Source: Mr Jack Bourke, Digicel

Digicel Foundation: Disaster Preparedness Activities

- Pre-Hurricane actions taken for school network:
 - SMS tips are sent to school directors;
 - Phone credit is provided to directors to communicate with community members;
 - Directors are called to ensure that they are aware of the situation and to encourage them to open up the schools to those in need of shelter.
- Post- Hurricane actions taken:
 - School directors are called to find out if the schools have been damaged and if there other issues to report;
 - Foundation's engineering team performs school visits if necessary.





Innovative Approaches

Resilience through infrastructure





Stakeholder Engagement in Water Solar Energy: A Case of Republic of Korea



- Development of community-participated profit-sharing model
- Enhancing fact-checking and public relations through experience programmes
- Proactive coordination and collaboration to secure trust
- Transition to a design that reflects local culture



Thank you



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