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Virtual Dialogues on
RESILIENT INFRASTRUCTURE



Emerging Perspectives on Making Infrastructure Resilient

October 2020

Image Source: UNEP



1. Importance of Investing in Resilient Infrastructure

Image Source: Brookings Institutions



Image Source: The Economist

Between 2008-2017, disasters has resulted in direct physical losses worth \$138 m/day in ADB's developing member countries, straining public budgets and reducing the attractiveness of investments.

Multitude of climate change threat is resulting in increased damage and disruption to infrastructure services.

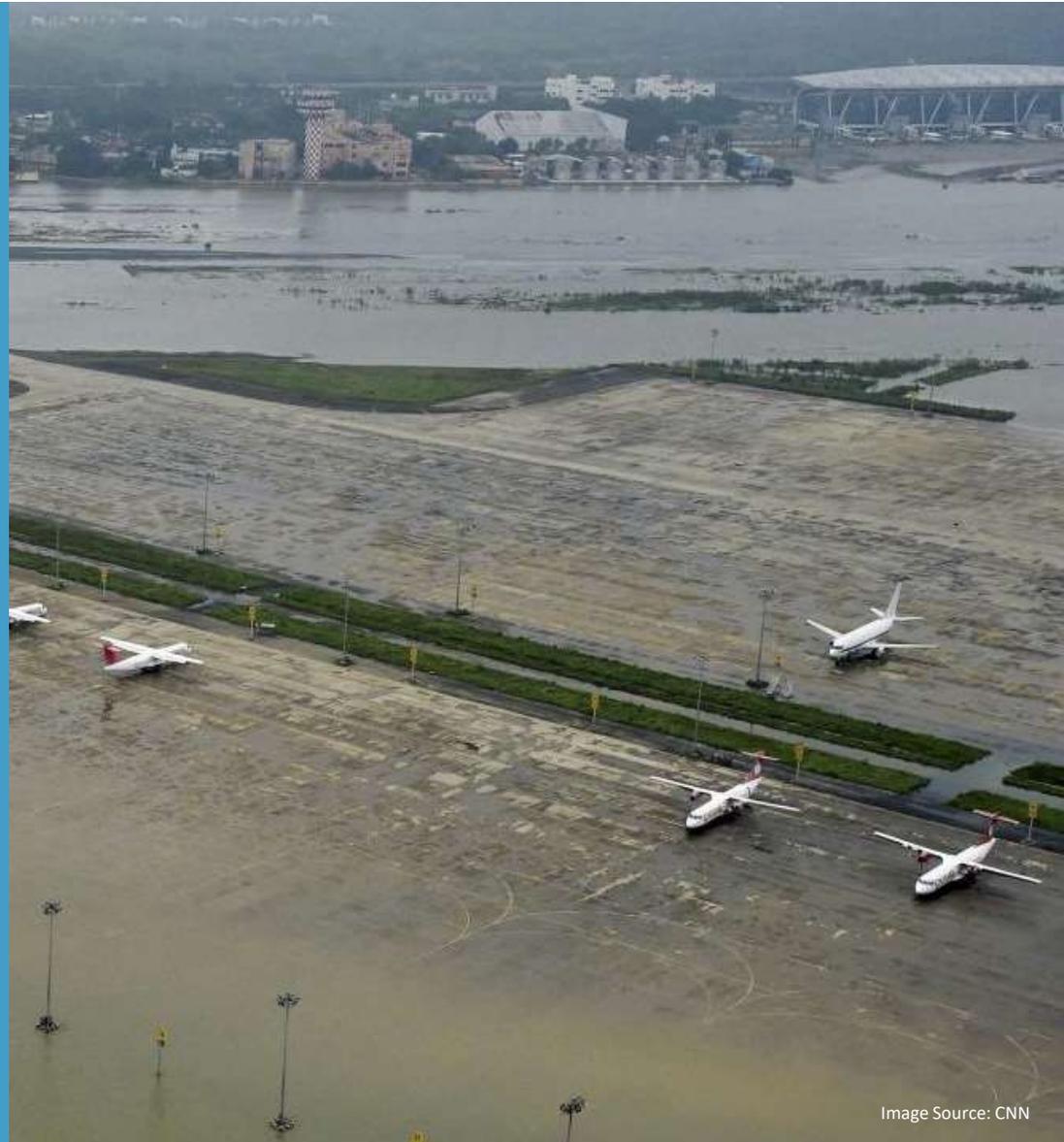


Image Source: CNN



Image Source: CNN

Recent study of 30,000 assets rates more than 50% assets in transport sector as “red flag” to floods and 40% in energy sector as “high risk” to water stress.

Data source: ADB 2020 (Forthcoming)

Ports handling over 80% of global merchandise are particularly vulnerable to sea level rise. Asset exposure to flooding in 236 port megacities will be \$28trillion by 2050.

Data source: Lenton et al



Image Source: ADB



2. Perspectives for Strengthening Infrastructure Resilience

Importance of understanding and communicating current and future risk and uncertainties faced by infrastructure assets and systems.

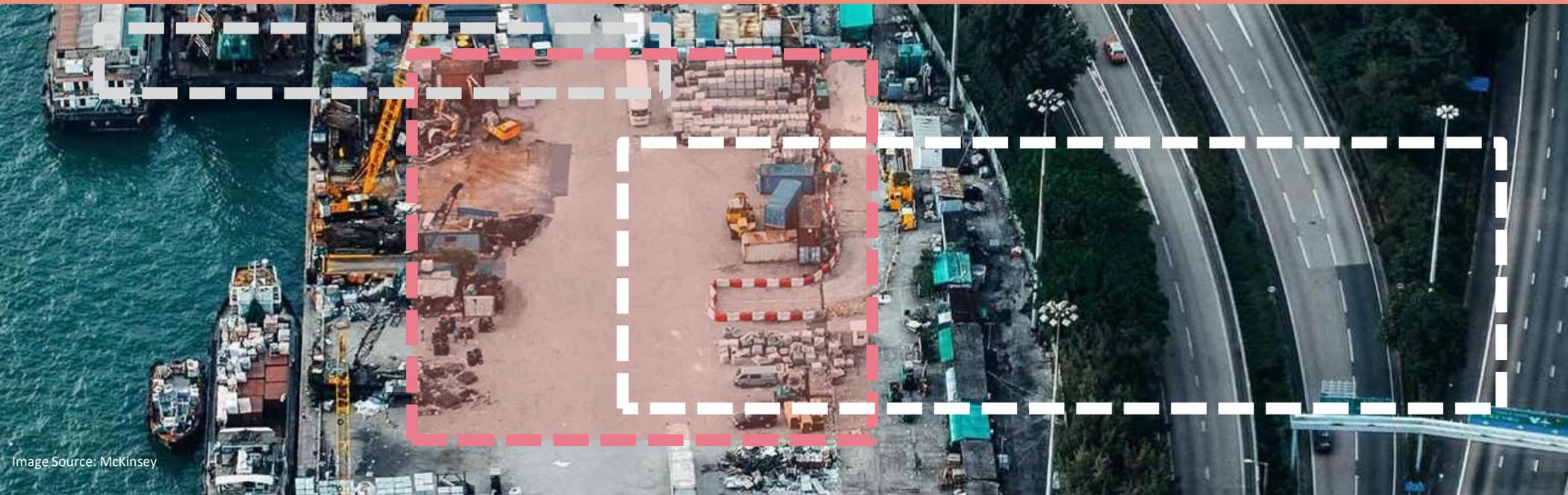




Image Source: Business Insider

Adopting a suite of green and grey resilience measures aligned with local needs and following principles of adaptive management. Strengthen standards, local capacity and institutions.

Promoting behavioral change-related measures to manage natural resources and thereby strengthen infrastructure resilience.



Image Source: Cape Town FMS



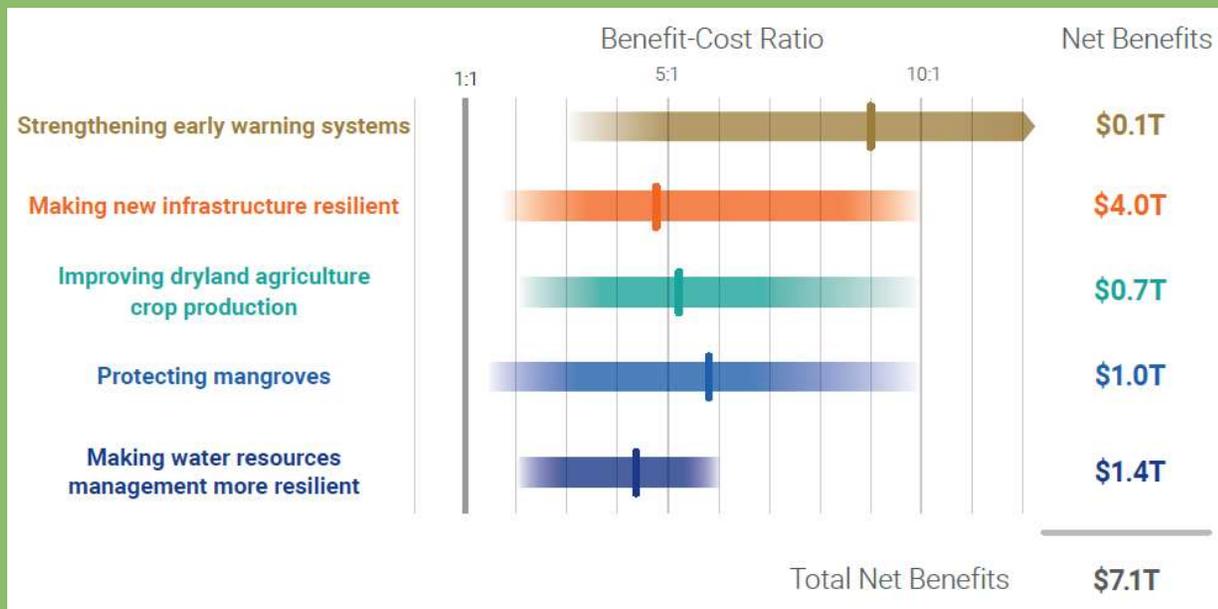
Image Source: ADB

Strengthening pre-disaster planning for post-disaster recovery, including adopting building back better principles and strategy for disaster risk financing.



3. Opportunities for Strengthening Infrastructure Resilience

Investing \$1.8 trillion globally in five areas from 2020-2030 could generate \$7.1 trillion in total net benefits.



COVID-19 Recovery provides opportunities for low-carbon and resilient infrastructure.

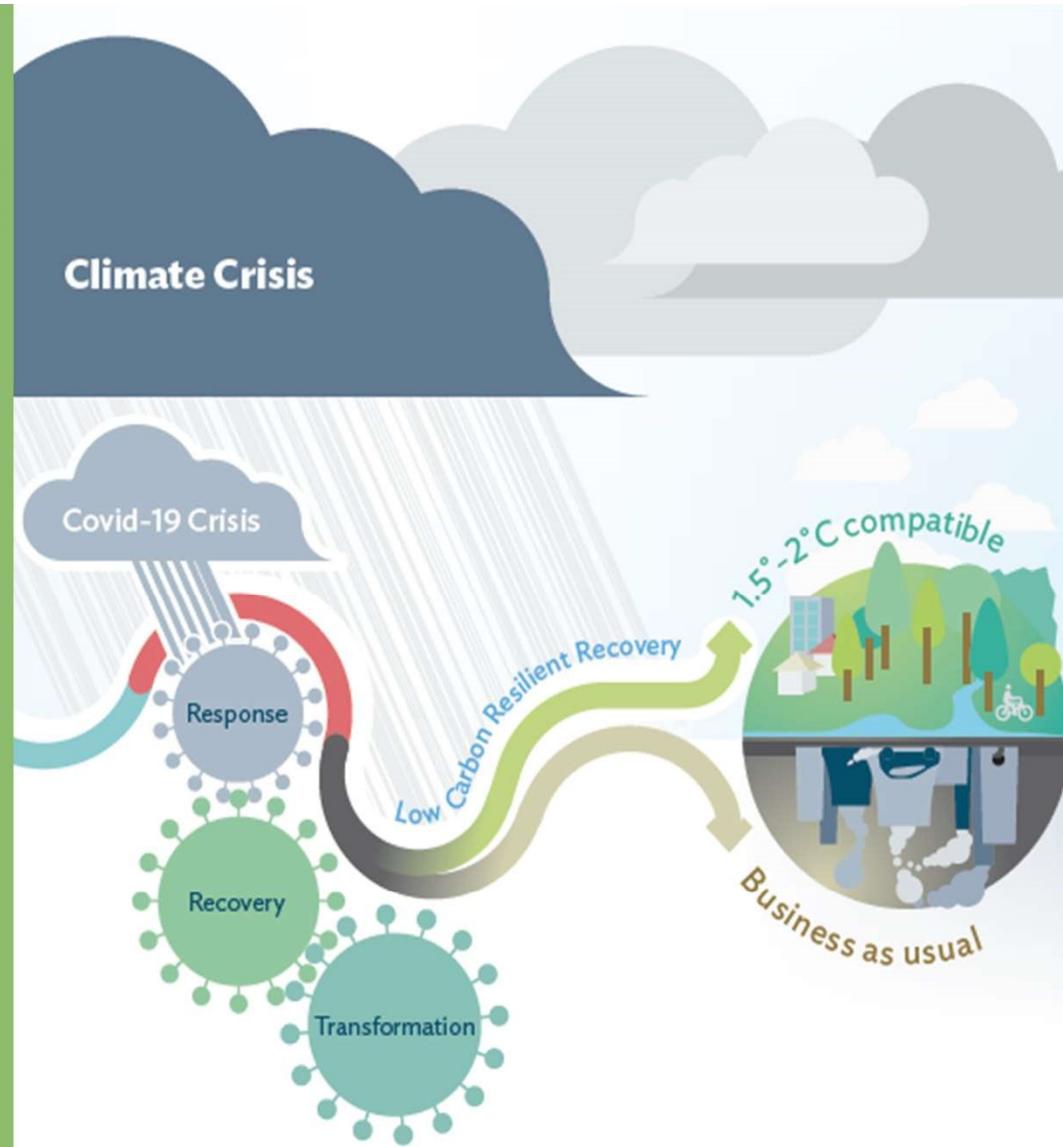


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