

#CAIP2024

CLIMATE ADAPTATION INVESTMENT PLANNING FORUM 2024

17-18 SEPTEMBER 2024

| Time | 17 September 2024 (Tuesday) | Time | 18 September 2024 (Wednesday) |
|-------------|---|-------------|--|
| 09:00–10:15 | High-level Opening Session | 09:00–10:00 | Plenary 3: Funding and financing adaptation |
| | | 10:00–10:30 | Lightning Talk: Resilience bonds to leverage private finance |
| 10:15–10:45 | Coffee Break | 10:30–11:00 | Coffee Break |
| 10:45–11:45 | Plenary 1: Understanding climate change risk to inform development pathways | 11:00–11:45 | Partner Marketplace: Adaptation funds, financing instruments and programs |
| 11:45–12:30 | Spotlight 1: Foresight thinking for transformational adaptation investments | 11:45–12:30 | Clinic: Finance matchmaking for adaptation investment plans |
| 12:30–14:00 | Lunch | 12:30–14:00 | Lunch |
| 14:00–15:00 | Plenary 2: Making adaptation investments a priority across governments and public and private sectors | 14:00–15:15 | Policy Roundtable Discussion: Priority actions for enabling adaptation investment planning |
| 15:00–15:30 | Coffee Break | 15:15–15:45 | Coffee Break |
| 15:30–16:15 | Spotlight 2: Making the economic and financial case for adaptation investment | 15:45–16:30 | Closing Session |
| 16:15–17:30 | Deep-dive discussions: Prioritizing adaptation investments across sectors | | |
| 18:00–19:30 | Reception | | |

enabling environment



PLENARY 1

Understanding climate change risk to inform development pathways

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Scene-setting 1



Amina Maharajan

Senior Livelihood and Migration Specialist
International Center for Integrated Mountain
Development (ICIMOD)



ICIMOD

Climate Crisis: The context of the HKH Region

Amina Maharjan

Senior Livelihood and Migration Specialist
17 September 2024

Heavy rain lashes across Pakistan

Sindh, KPK-including Chitral, Baluchistan, Punjab, Azad Jammu and Kashmir and Gilgit-Baltistan

Pakistan

Monsoon 2024

198

people
died

147

children
injured

The floods have damaged **2,234 houses** and there has been significant infrastructure damages of bridges and roads.



**INCREASED RAINFALL EXPECTED IN
PUNJAB, SINDH, AND BALOCHISTAN**





8 HKH countries

240 million people
in the HKH
mountains and hills

12 Asian river
systems

1.65 billion people
downstream

"The Third Pole"

Global asset for food, energy,
water, and cultural and biological
diversity



The Hindu Kush Himalaya region – global importance but accelerating crisis

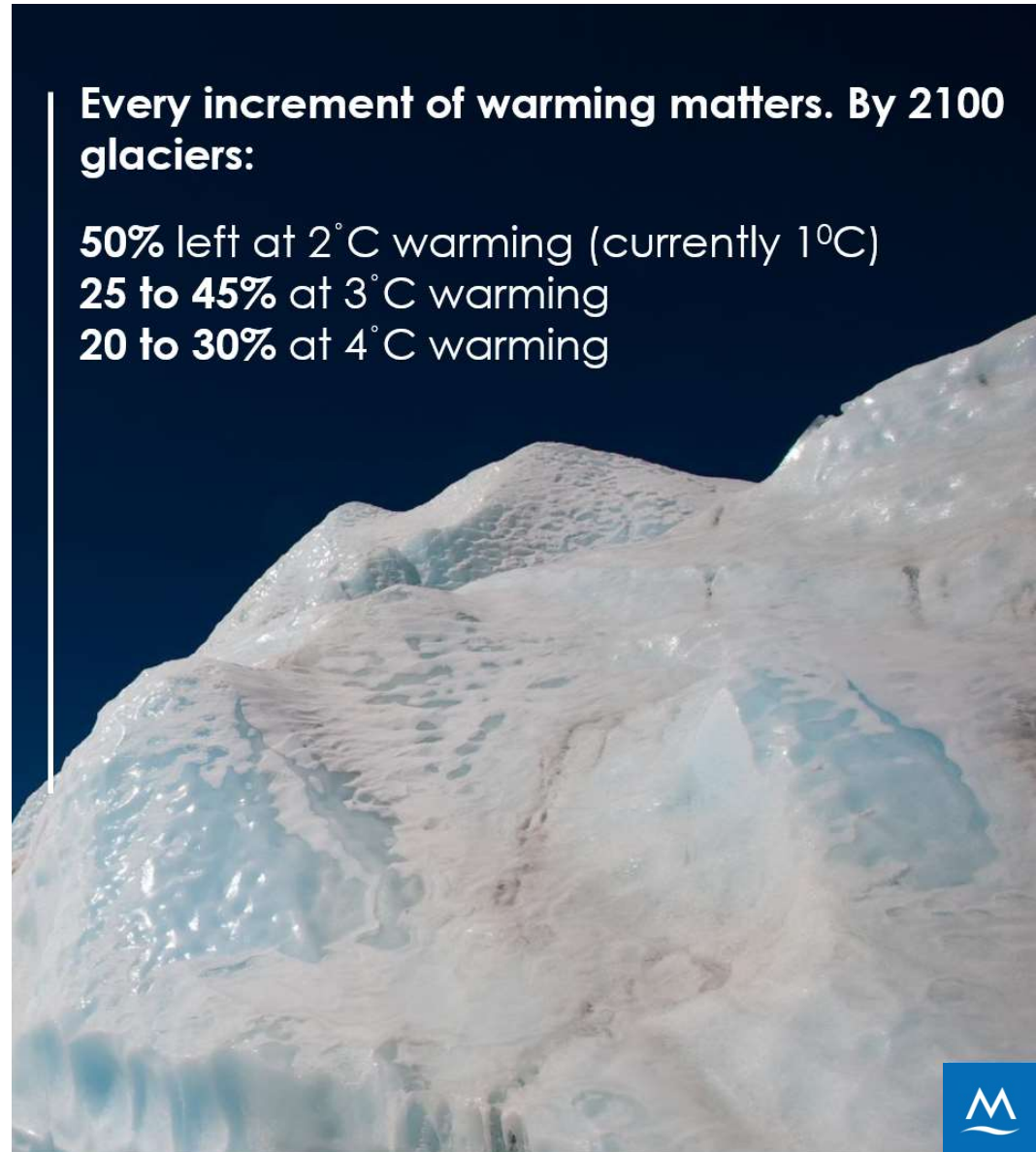
- More than **50,000 glaciers**, but only 28 have field monitoring
- Thawing permafrost affects ground stability, hydrology, infrastructure, vegetation, and carbon emissions
- **Decrease in snow cover** during summer & winter months, and indications of a seasonal shift

Every increment of warming matters. By 2100 glaciers:

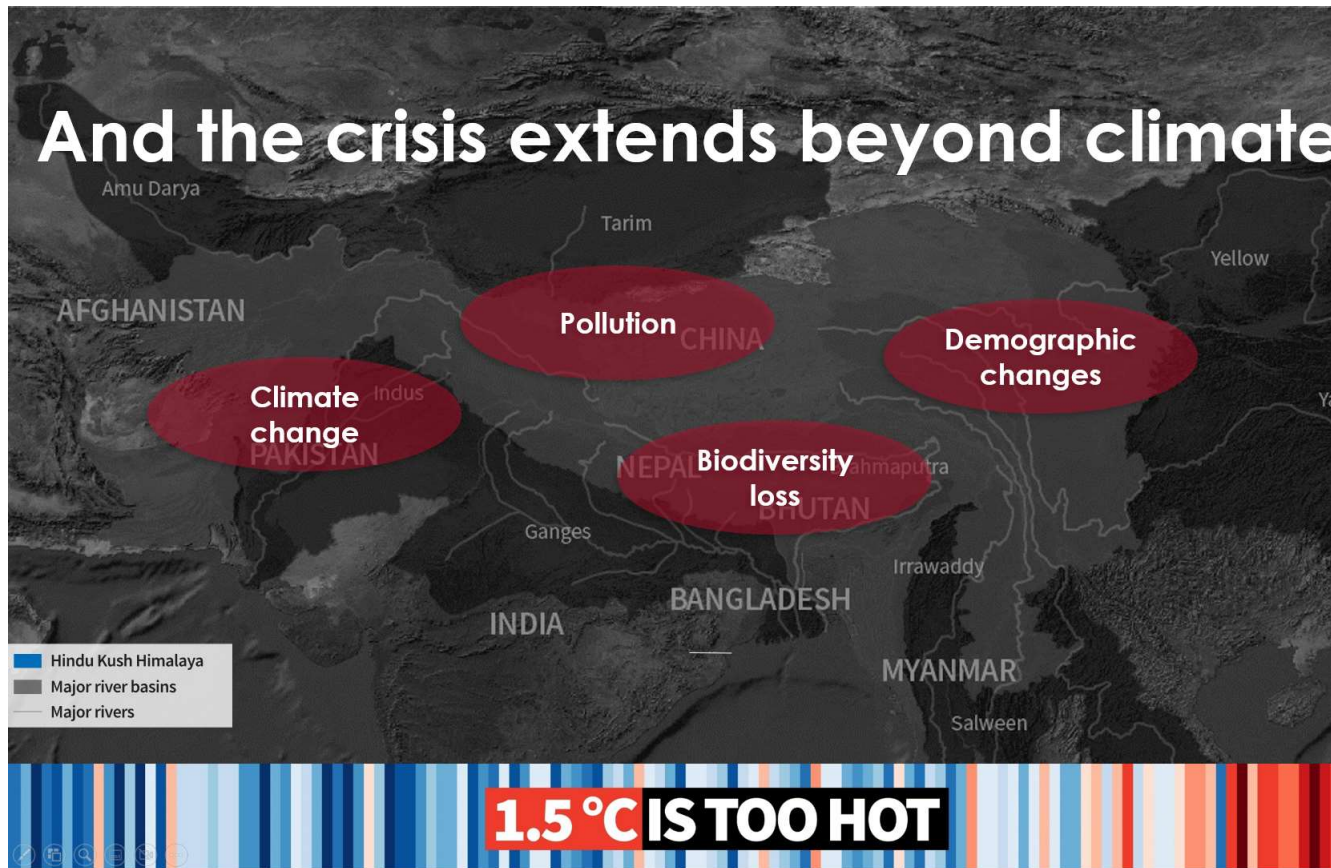
50% left at 2°C warming (currently 1°C)

25 to 45% at 3°C warming

20 to 30% at 4°C warming



And the crisis extends beyond climate

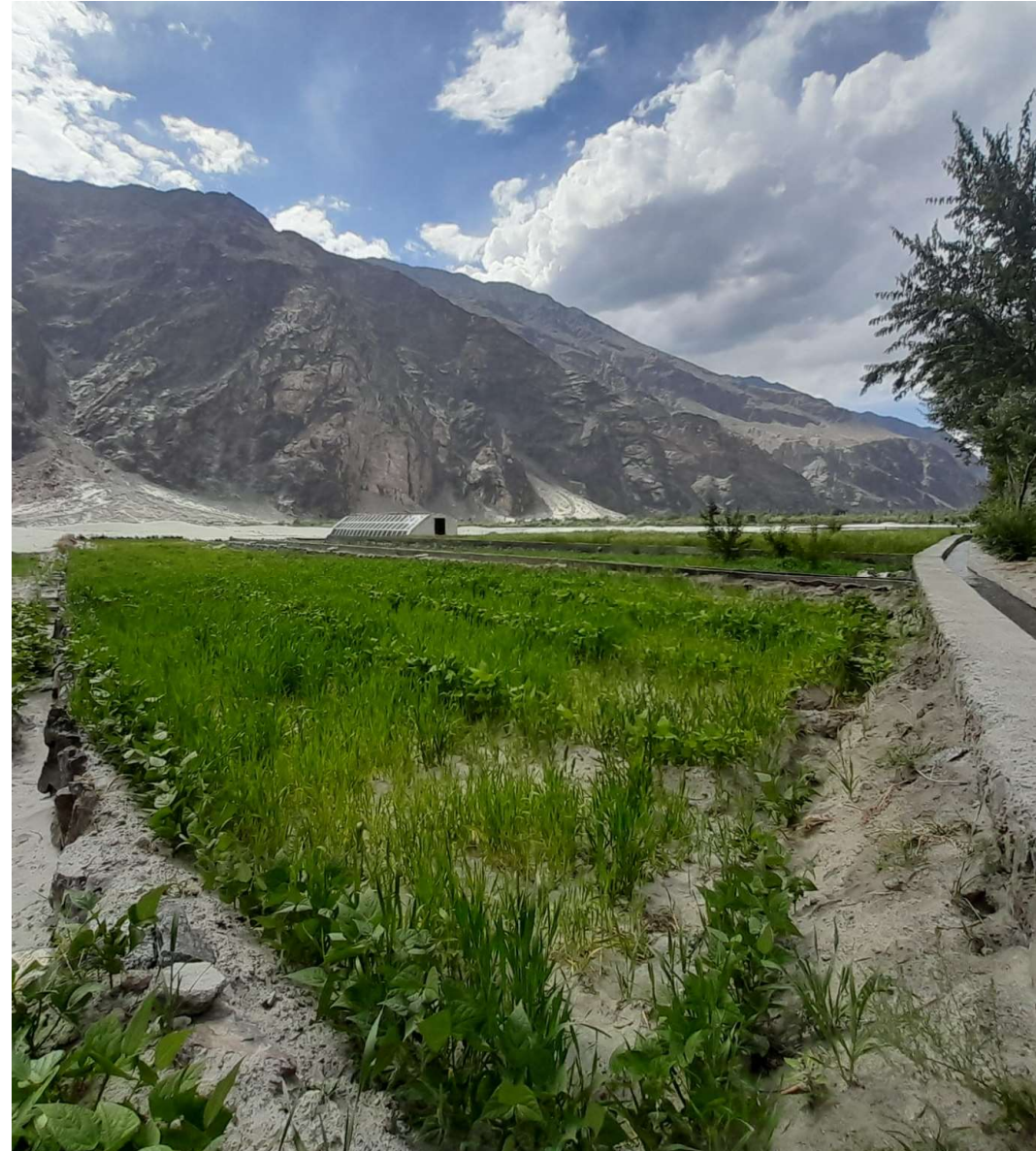


There are huge implications for Asia and beyond

- Energy Security
- Food security
- Health Security
- Livelihood Security

7 Urgent intervention areas

1. Disaster preparedness
2. Boost adaptation financing and target it where it matters most
3. Win-win of tackling air pollution
4. Drive new investment
5. Support policy coordination
6. Calculate non/economic costs to advocate more effectively for loss and damage finance
7. Decarbonise NOW





#SaveOurSnow

THANK YOU



Scene-setting 2



Ad Jeuken

Climate Change Adaptation and
Water Management Expert
Deltares



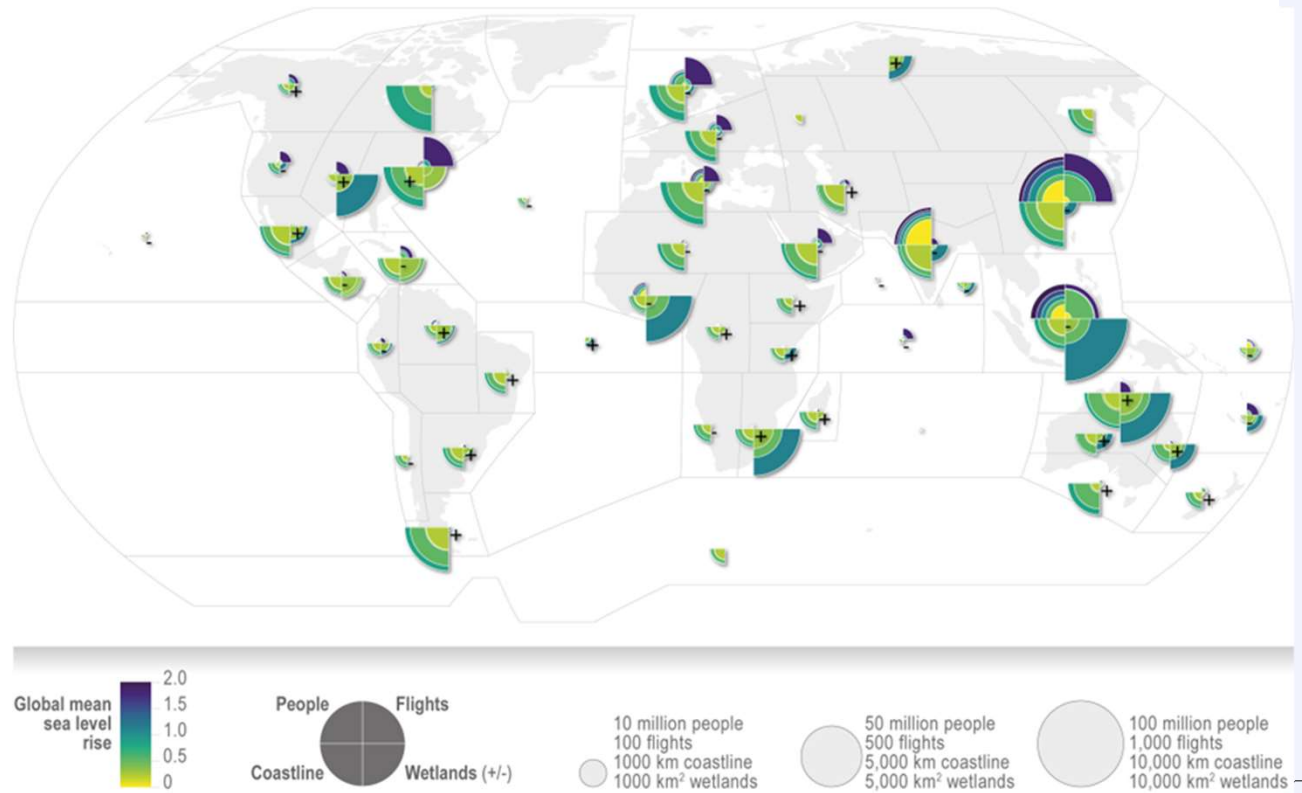
Deltares

Understanding climate risks to inform development pathways in coastal areas

CAIP Forum- ADB, Manila, September 17, 2024

Ad Jeuken (Deltares)

Global change is challenging coastal climate resilience



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Photo sources:

Upper Left: <https://floodlist.com/wp-content/uploads/2021/12/Office-of-the-Mayor-of-Isla-de-Pitogo.jpg>

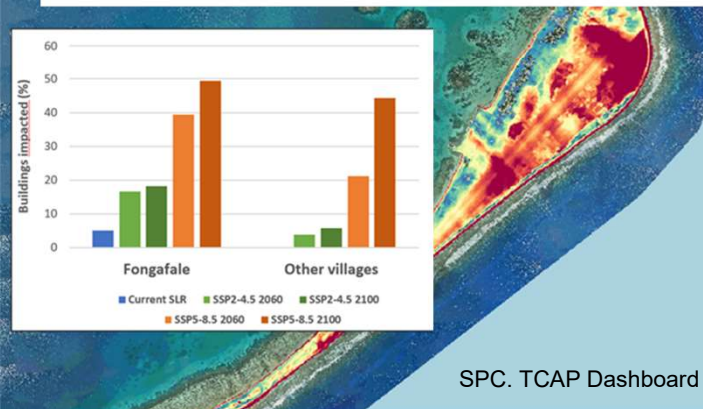
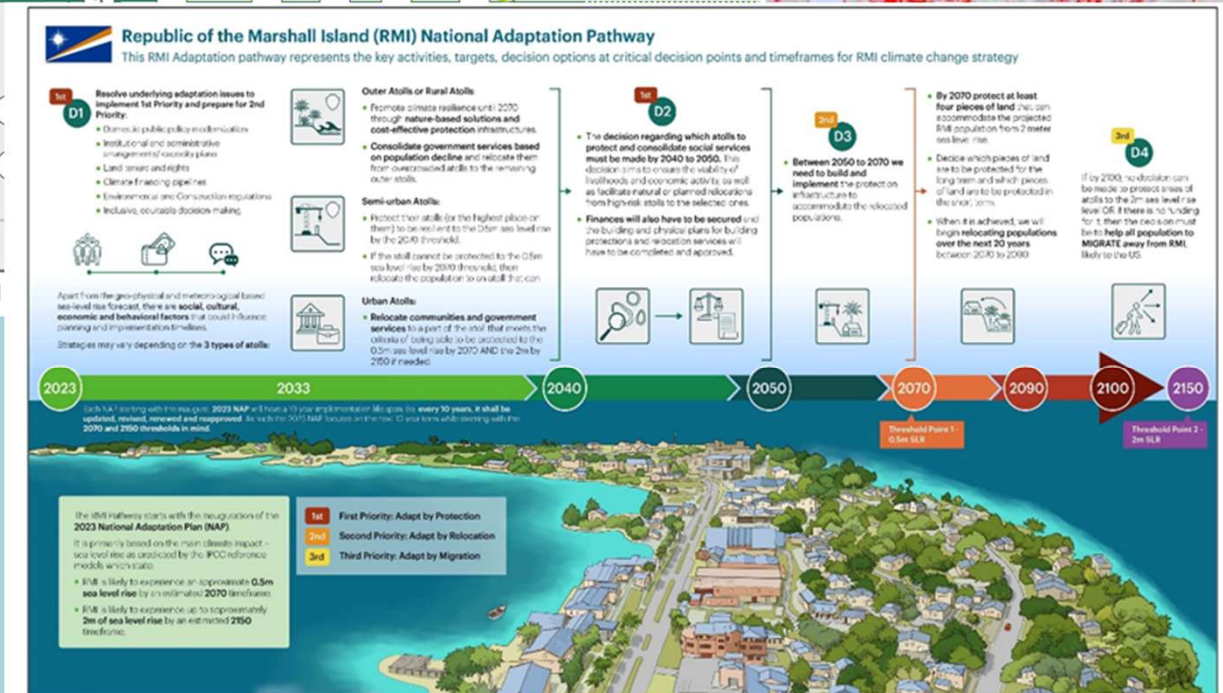
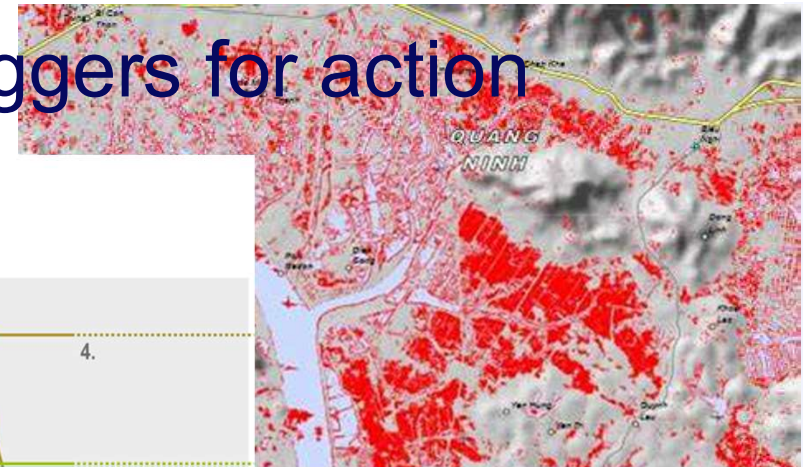
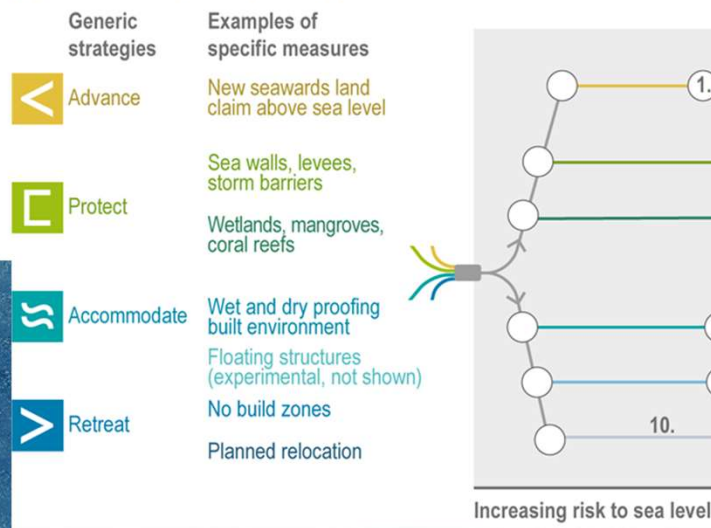
Bottom Left: <https://www.ecohubmap.com/hot-spot/kiribati-risks-becoming-the-first-country-to-lose-its-land-territory/ab4avwklevajhsc>

IPCC AR6 WGII, 2022

Risks and Critical thresholds as triggers for action

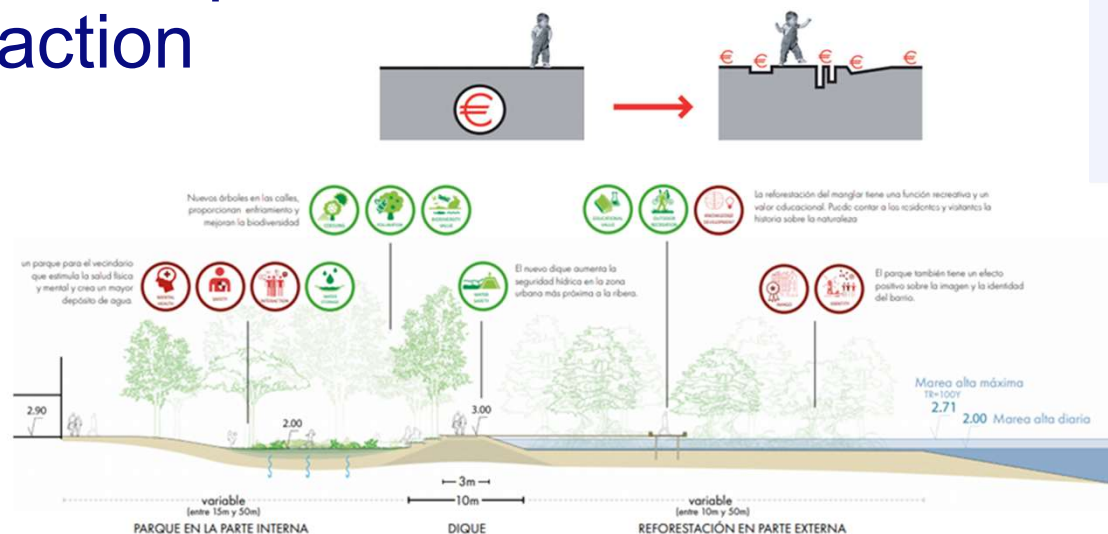
Solution space for coastal cities and settlements by the sea

(a) Generic adaptation pathways for coastal cities and settlements to sea level rise



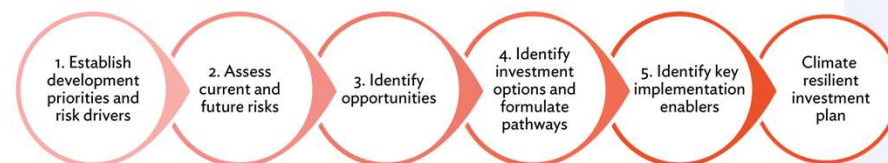
Development as leverage for adaptation – ambition and opportunities as trigger for action

There is a rapidly narrowing window of opportunity to enable climate resilient development



Some emerging topics:

- Social vulnerability and inequity to prioritize adaptation action
- Climate resilient flood landscapes
- NbS for adaptation and biodiversity



<https://development.asia/explainer/5-step-rapid-approach-climate-resilient-investment-planning>

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Key messages

- Investing in coastal adaptation provides benefits at multiple levels (but beware of potential lock-in)
- Explore synergies and conflicts between adaptation and development to maximize these benefits
- Follow an evidenced based approach identifying both risk and development-based triggers for action
- Remain flexible with and leave solution space for long-term sea level rise
- Build systemic resilience to cope with unexpected shocks



Adapted from WBG, ODI GFDRR, 2022

Panel Discussion



Belinda Hewitt

Senior Disaster Risk Management
Specialist, ADB



Robert Wilby

Professor of Hydroclimatic Modelling in the
Department of Geography and Environment ,
Loughborough University, UK



Suren Minasyan

Chief Specialist, Ministry of Finance, Armenia



Kenieti Loisi

Assistant Secretary , Ministry of Finance and
Economic Development, Tuvalu



Yasmin Siddiqi

Director of Agriculture, Food, Nature, and Rural
Development Sector, ADB



PLENARY 1

Thank you!

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