



 Federal Ministry
Republic of Austria
Finance

Regional Workshop on Climate and Disaster Risk-Informed Investments

22-23 June 2023

Centara Grand and Bangkok Convention Centre
in Bangkok, Thailand



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Why This Workshop?



Use of Information related to Natural Hazards and Climate Variability is Not New...



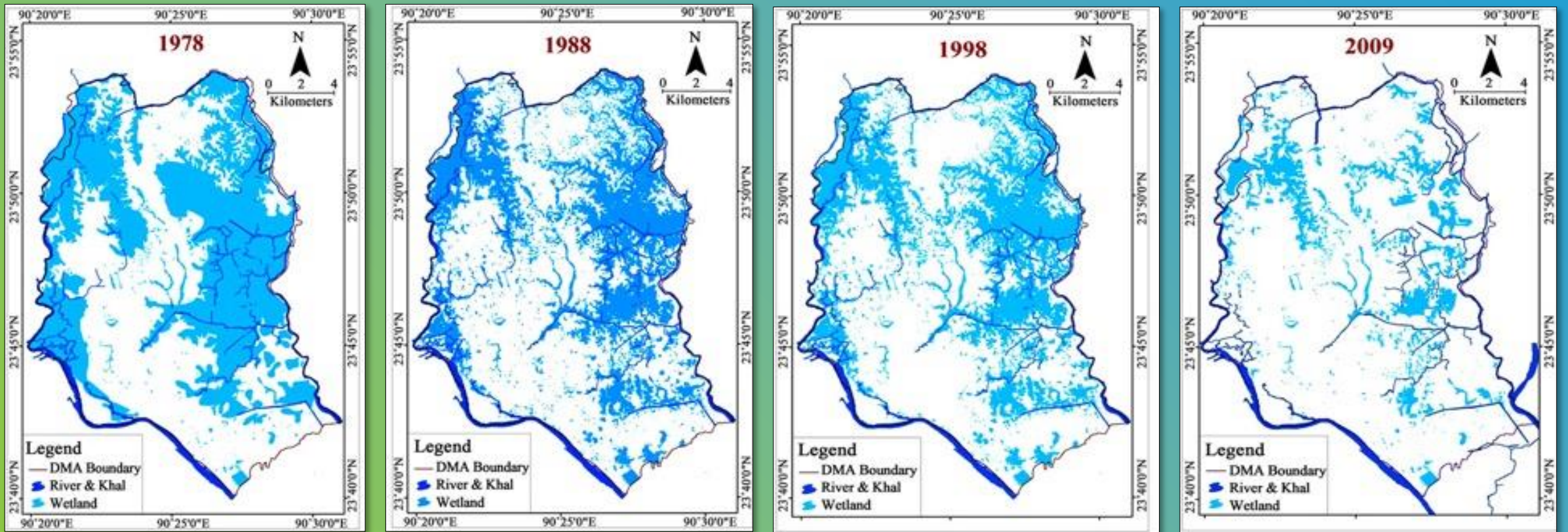
Image Source: Jessie Ponce

But Risk is Rapidly Increasing Due to Climate Change..



Image Source: Scientific American

And Due to Increase in Exposure and Vulnerability from Other Global Trends..



Source: CEGIS, 2011

Severe, Widespread and Irreversible Impacts are Already Being Felt...

ALJAZEERA News Ukraine war Features Economy Opinion

News | Climate Crisis

'Perfect climate storm': Pakistan reels from extreme heat

Heatwave with temperatures reaching mid-40's Celsius has fuelled debate over the climate change crisis in Pakistan.

Cyclone Biparjoy: more than 100,000 evacuated in India and Pakistan as storm nears

Cyclone Biparjoy, which means 'disaster' in Bengali, is expected to make landfall on Thursday evening



FINANCIAL TIMES

Opinion Japanese business & finance

Japan's heatstroke insurance boom carries a warning for the rest of us

Middle classes who fear a lean retirement are risking their health to continue working in sweltering conditions.



Environment

Fiji, moving villages inundated by rising seas, wants big emitters to pay

By Logan Elliott and Kirsty Needham

NIKKEI Asia

World Trending Business Markets Tech Politics Economy Features



Natural disasters 20 JUNE 2023

Magnitude 5.5 earthquake strikes north coast of Papua New Guinea

Quake occurred at depth of 30 km



Natural disasters 14 JUNE 2023

India, Pakistan brace for damage as cyclone approaches

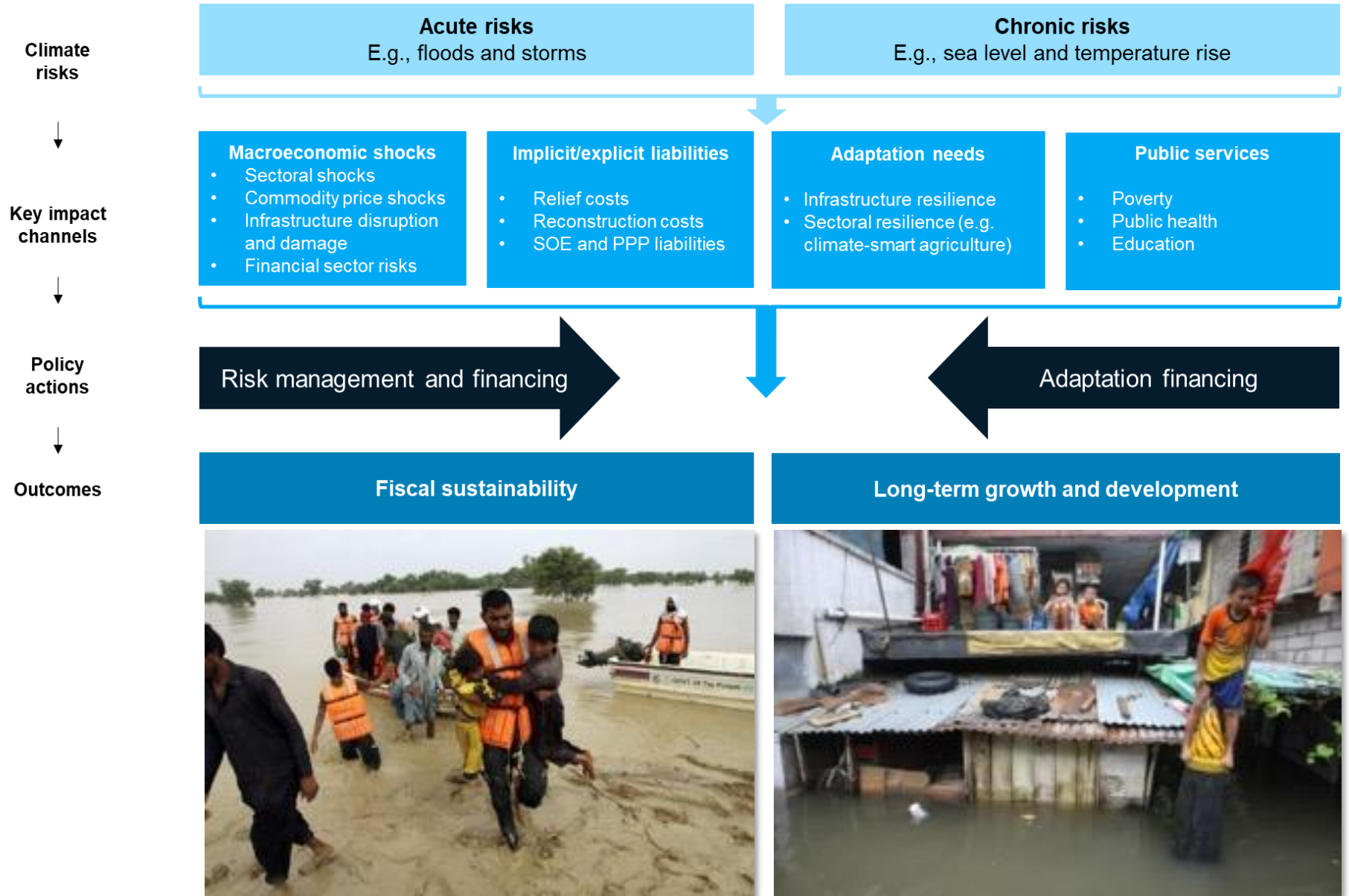
Storm expected to make landfall on Thursday

The Impacts will be Many Times More in the Future...

Name of event	Climate in 1850 - 1900	1 °C warming	1.5 °C warming	2 °C warming	4 °C warming
1 in 10 years heatwave	Normal	2.8 times more often	4.1 times more often	5.6 times more often	9.4 times more often
1 in 50 years heatwave	Normal	4.8 times more often	8.6 times more often	13.9 times more often	39.2 times more often
1 in 10 years heavy precipitation event	Normal	1.3 times more often	1.5 times more often	1.7 times more often	2.7 times more often
1 in 10 years drought	Normal	1.7 times more often	2.0 times more often	2.4 times more often	4.1 times more often

Source: [Summary for Policymakers. In: Climate Change 2021: The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change](#) (PDF). Cambridge University Press. In Press. 2021. Retrieved 2021-08-20.

Climate Risk will Transmit Through Various Channels



Impacts Felt on Infrastructure Systems



Image Source: Getty Images



Image Source: Getty Images



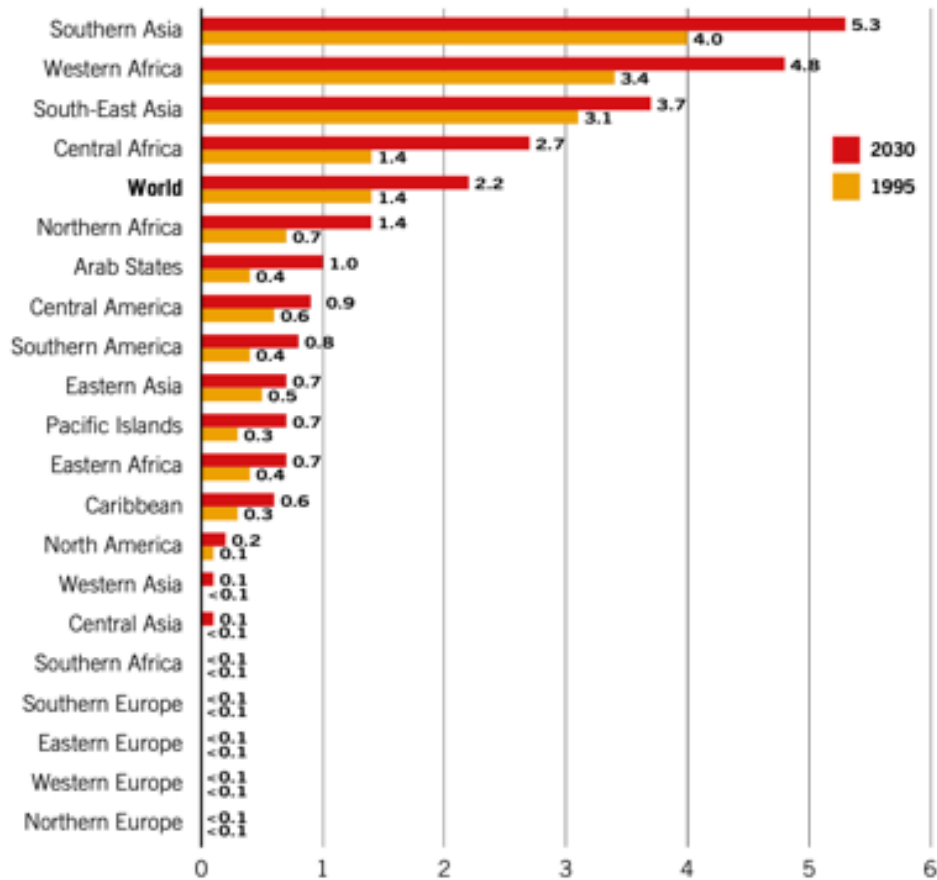
Image Source: Pacific Water

Impacts on Social System



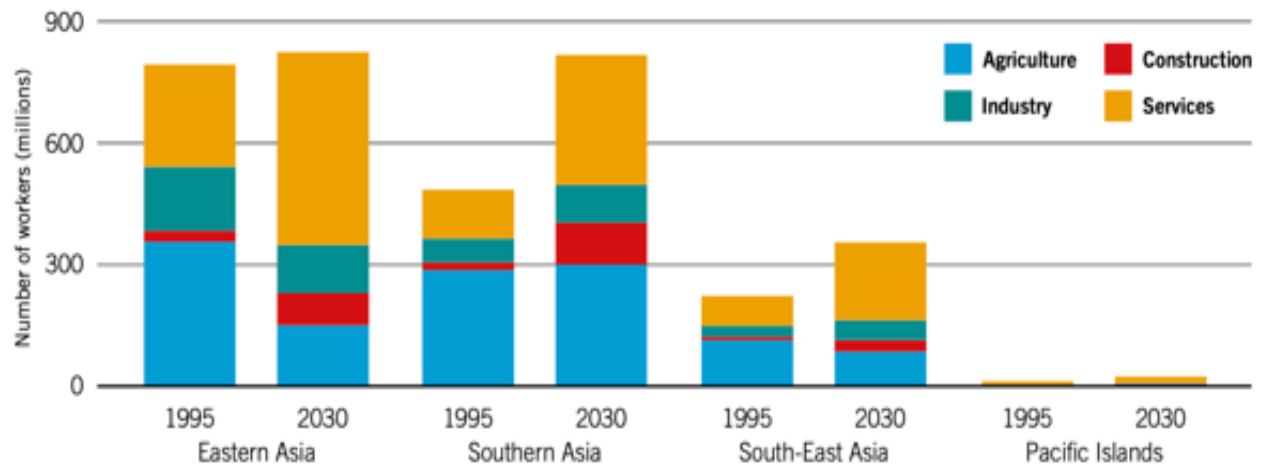
Image Source: The Diplomat

Figure 2.5 Working hours lost to heat stress by subregion, 1995 and projections for 2030 (percentages)



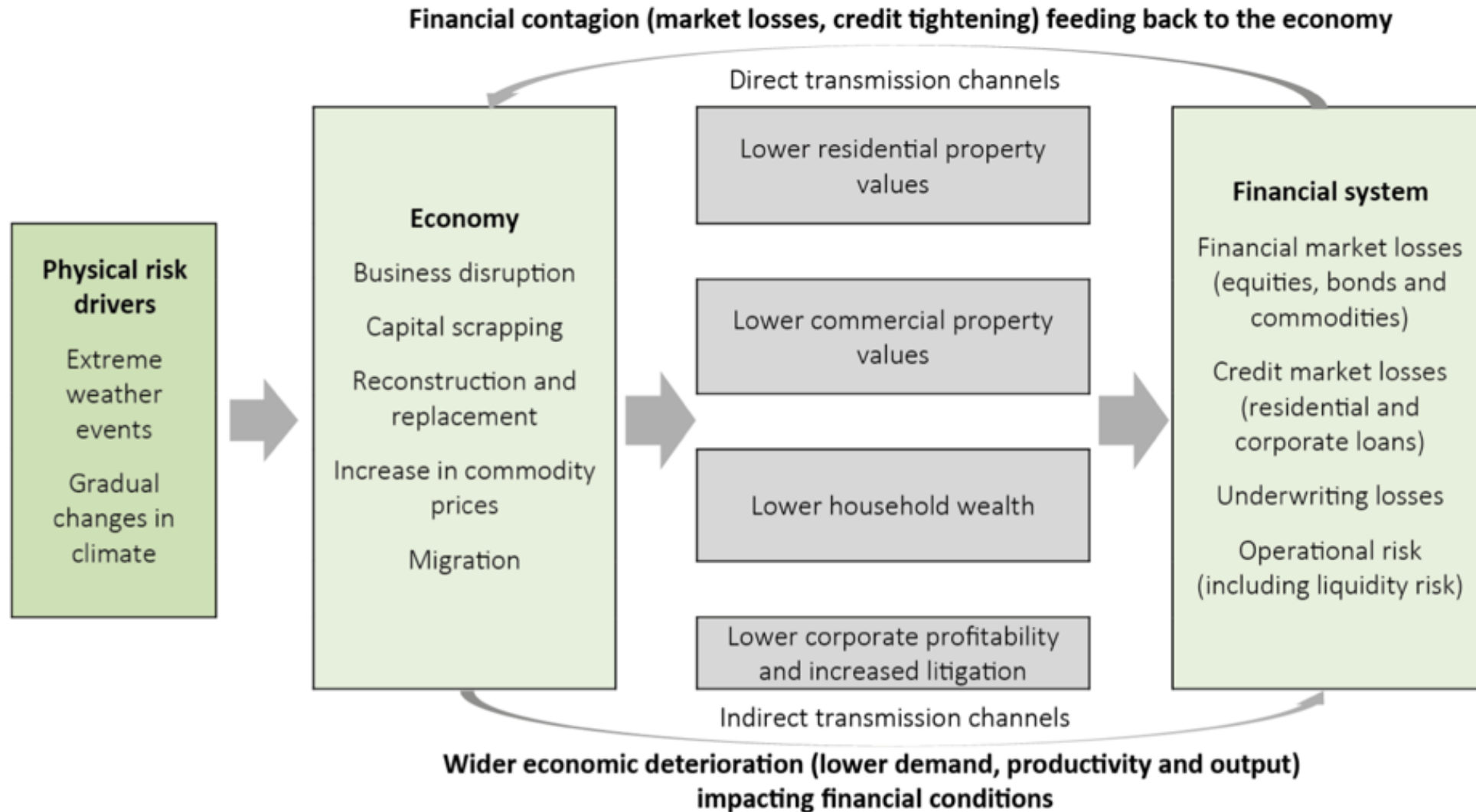
Source: ILO estimates based on data from the ILOSTAT database and from the HadGEM2 and GFDL-ESM2M climate models (using as input the RCP2.6 climate change pathway, which envisages a global average temperature rise of 1.5°C by the end of the century).

Figure 6.2 Breakdown of total employment by sector, Asia-Pacific subregions, 1995 and 2030 (projections)

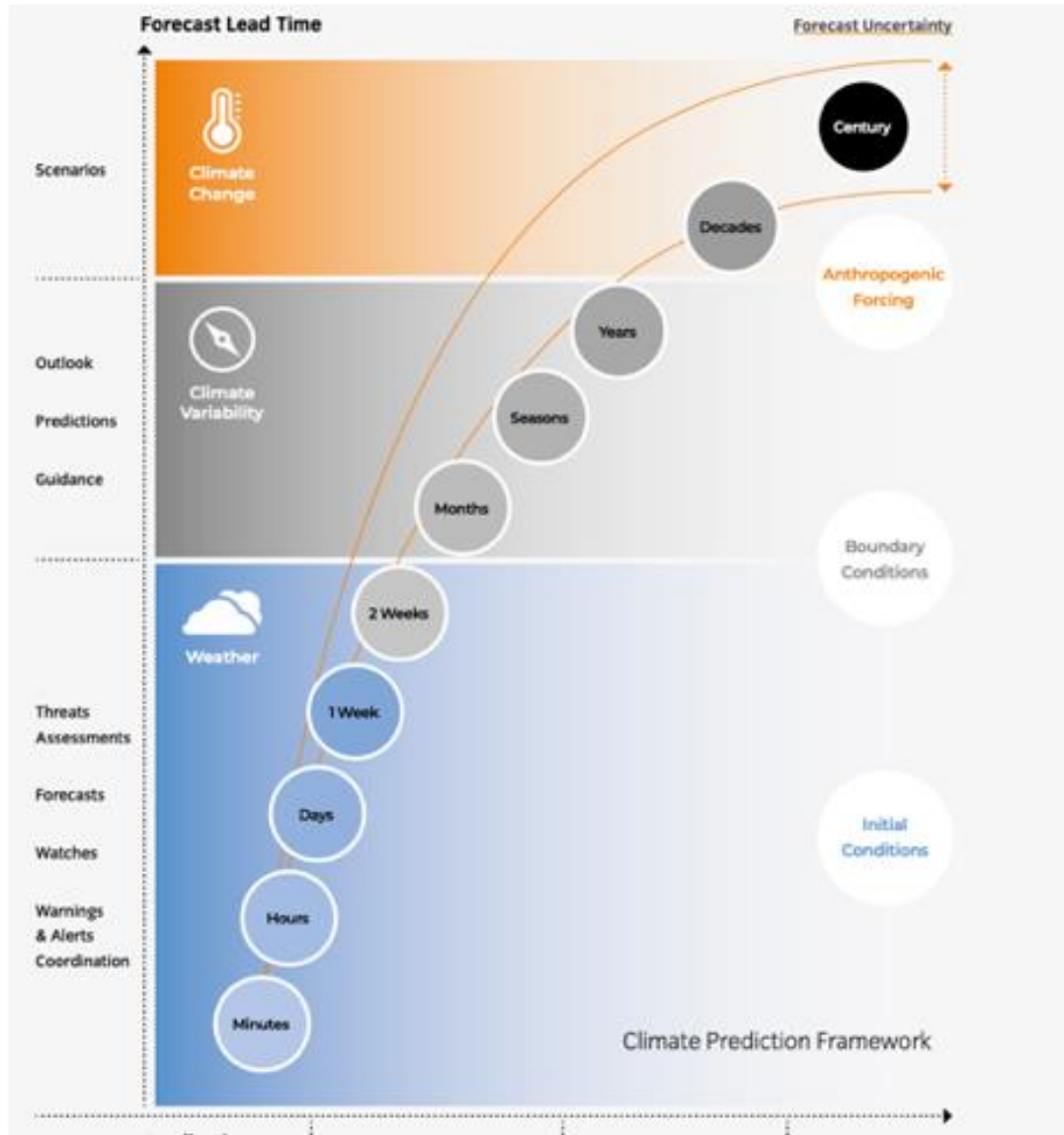


Source: ILO estimates based on data from the ILOSTAT database.

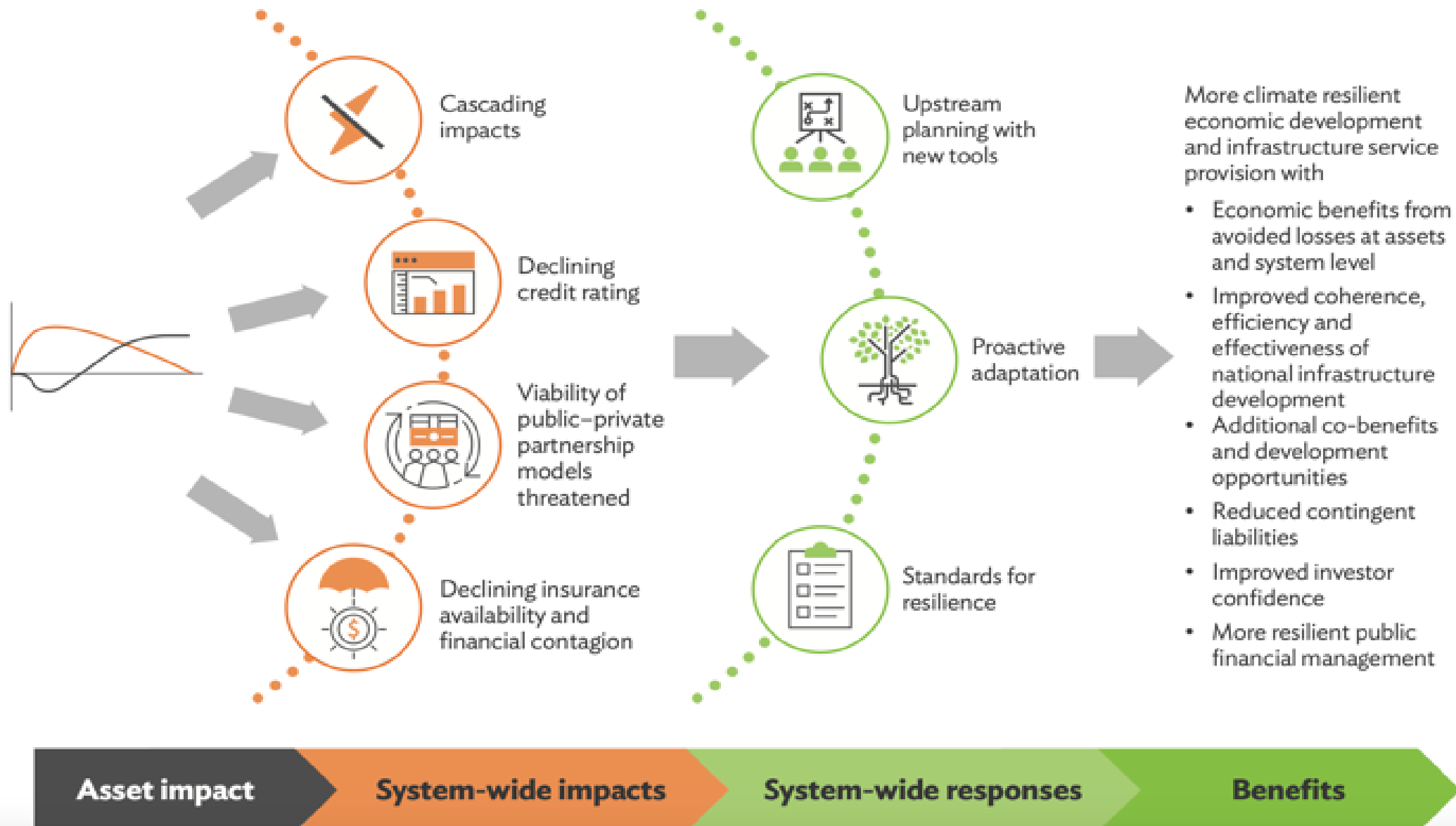




Use of Risk Information Becomes Critical To Inform Decision Making



Steer Development Towards Resilient Directions



Else Decisions Made Today Will Lock-in Risks and Contribute to Maladaptation



Image Source: Schipper

Objectives of the Workshop



Objectives

- Establish **importance** of climate and disaster risk informed development
- Knowledge on **science and tools** to enable risk-informed decision making
- Use of risk information in decision-making for **public investments**
- Use of risk information to steer **private sector investments** in resilience

Why this is Important for ADB?



ADB Strategy 2030	ADB Climate Finance Ambition	ADB Commitment for Paris Alignment
<p>Building Climate and Disaster Resilience is one of the 7 operational priorities of ADB's Strategy 2030</p>	<p>Providing \$100 billion climate finance between 2019-2030 out of which \$34 billion for adaptation</p>	<p>Align 100 % of its new sovereign operations to the goals of the Paris Agreement by 1 July 2023 and 85 % of non-sovereign operations by 1 July 2023 and 100% by 1 July 2025</p>



1

Engage **upstream engagement** with countries and private sector on risk-informed decision-making



2

Scale-up financing for **investments that enable climate and disaster resilience** (sovereign and non-sovereign).



3

Enhance **capacity, knowledge and partnerships** on climate and disaster resilience.

Thank You!

