

Heatwaves –opportunities for risk reduction, adaptation and preparedness in Asia Pacific

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SENDAI FRAMEWORK
FOR DISASTER RISK REDUCTION 2015-2030

The logo for the Sendai Framework for Disaster Risk Reduction 2015-2030. It consists of a horizontal bar with four colored segments: red, purple, orange, and teal. Below the bar, the text "SENDAI FRAMEWORK" is written in a bold, white sans-serif font, and "FOR DISASTER RISK REDUCTION 2015-2030" is written in a smaller, white sans-serif font below it.

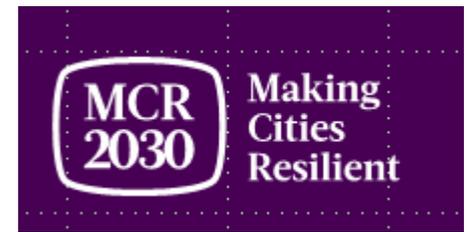
Socio- economic impacts of heatwaves and opportunities for mitigation and adaptation.

- **Knowledge document (upcoming)** – highlight heat related risks as an increasing and emerging challenge, especially in urban context. Evidence, gaps and good practices.
 - Impacts in health and livelihoods, especially in urban context
 - Health and socio-economic vulnerabilities determining impacts and driving risks (unplanned urbanization, urban poverty and inequalities, decent jobs and social protection gaps)
 - Multi-hazard risks and compounding impacts – heat and infectious diseases; heat, water insecurity, and sanitation deficits; energy systems stressors, air pollution, urban heat island and heatwaves.
- **Learning process – what we know and what we know we don't know well yet**
 - Learning from climate change adaptation and DRR – adaptive social protection, nature-based solution; multi-hazard prevention and risk reduction
 - Learning from sustainable urban management – climate-smart housing solutions, slum upgrading
 - Learning from humanitarian community – anticipatory action and preparedness

Highlights on recommendations – opportunities for RC/RC engagement on heat related risk management

- ***Engage in enhancing understanding of risks and impacts:***
 - Community-level data collection on impacts – understand more on the socio-economic and physical vulnerabilities
 - Enable more targeted interventions and predictive models for early action.
 - Crowdsourcing information, engaging in sentinel systems, collaborating with research organizations to validate prediction models, test and feedback
- ***Collaborate with local governments to enhance their preparedness***
 - Share experience and lessons from other regions/ countries
 - Raise awareness on the relevance and advantages of anticipatory actions
 - Mobilize volunteers to enhance community awareness
- ***Connect local resilience building and livelihoods support programs with climate and risk management efforts***
 - Informal workers, outdoor and some industries workers (e.g. garment) , migrant workers – how support them in more resilient livelihood strategies in context of growing climate and disaster risks?
 - Low-cost/ social technologies and innovations/ local and indigenous knowledge (construction techniques, insulation, etc.)

Other opportunities of engagement



- **Making Cities resilient 2030** – engage as partners to support cities in their “resilient pathway”
 - Emphasis on a *multi-hazard approach* to consider infectious disease, heat, *air pollution*, etc. and their cascading impacts as very tangible manifestation of climate-related risks.
 - Understanding risks – support enhanced risk analysis to enable comprehensive risk management – emphasis on the interconnected nature of systems (e.g. disruptions to education from COVID-19; disruptions to energy supply systems from heatwaves; water insecurity and deficit in sanitation services as drivers of vulnerability and exposure)
 - As front-line agents in community-level activities – support government on understanding multiple facets of social and economic vulnerabilities but also capacities ; support inclusive and context-specific risk communication, preparedness and awareness for more effective anticipatory action
 - Advocate for more shock-responsive and adaptive social protection systems – demonstrating how social assistance can target most vulnerable in advance of an event or even in the absence of any external threats to enhance resilience of livelihoods

Thank you for your attention

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