



# Asia-Pacific Housing Forum

**Powering collaboration for housing impact**





# Climate induced displacement





# Climate-induced Displacement in South East Asia

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# Observed Climate Impacts

- Increased flooding,
- Sea-level rise,
- Hydrological changes in major river basins,
- Shifts in precipitation patterns and temperatures impacting agricultural production,
- Increased droughts, resulting in water scarcity and food shortages; livelihood stress,
- Increased heat-related morbidity and mortality,
- Changes in the incidence climate sensitive infectious diseases, including vector- and water-borne diseases.

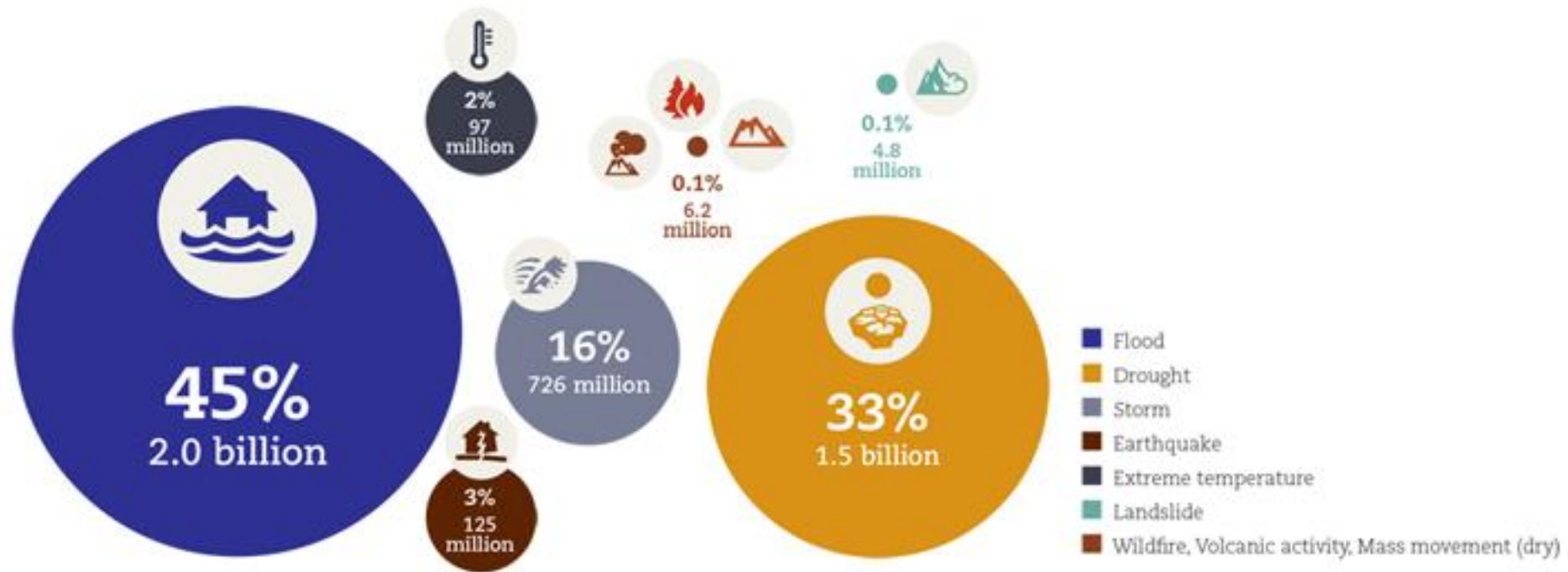
# Global Trends of Displacement

- Millions are displaced from their homes every year as result of their exposure and vulnerability to a variety of hazards.
- An average of **25.3 million** displacements have been brought on each year since 2008 by sudden-onset disasters alone.
- In 2018, there were **28 million** new displacements associated with conflict and disasters across 148 countries and territories.

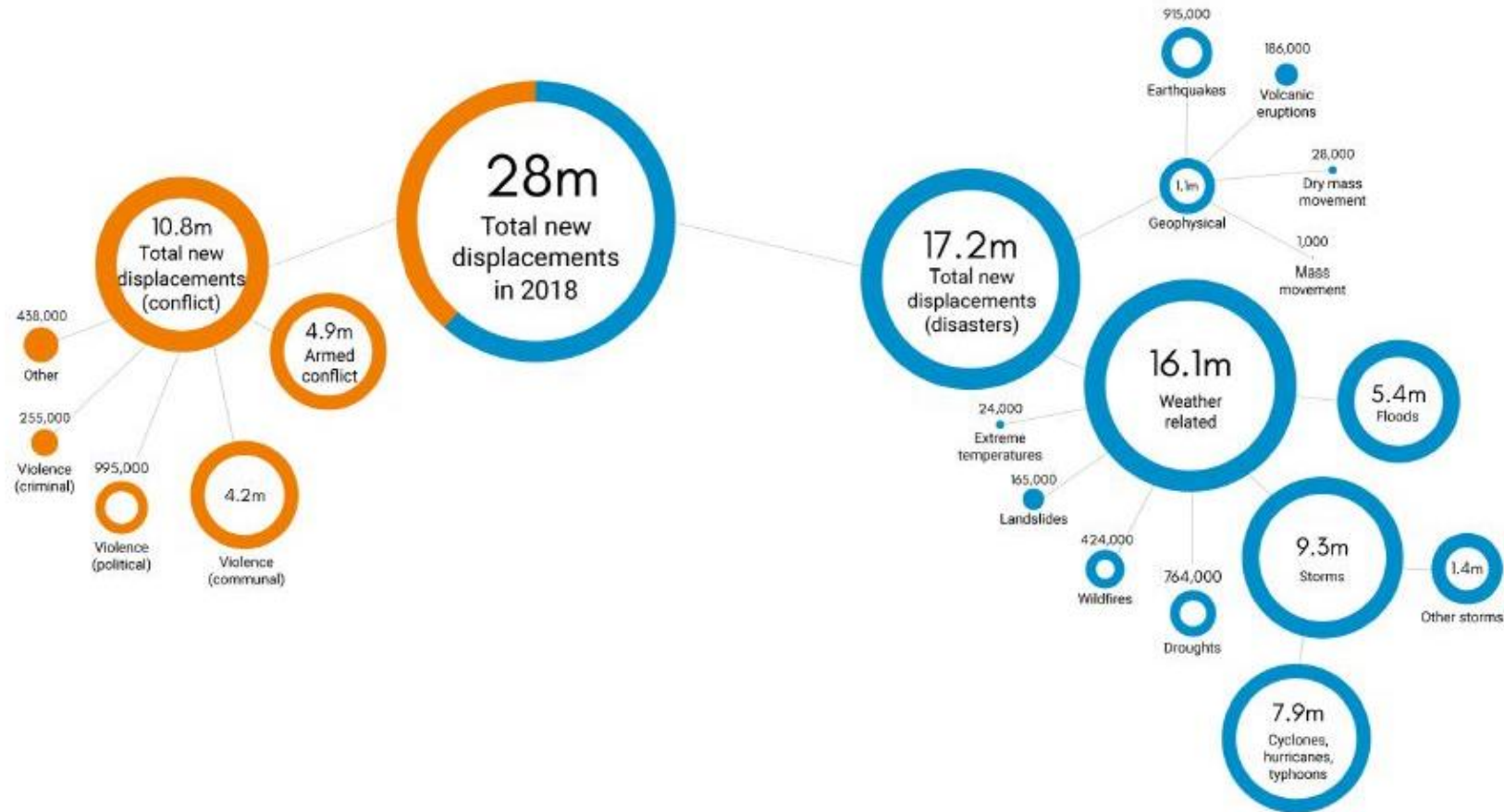


# Population Affected by Disaster

Number of people affected  
per disaster type 1998-2017



# New Displacements in 2018: Global

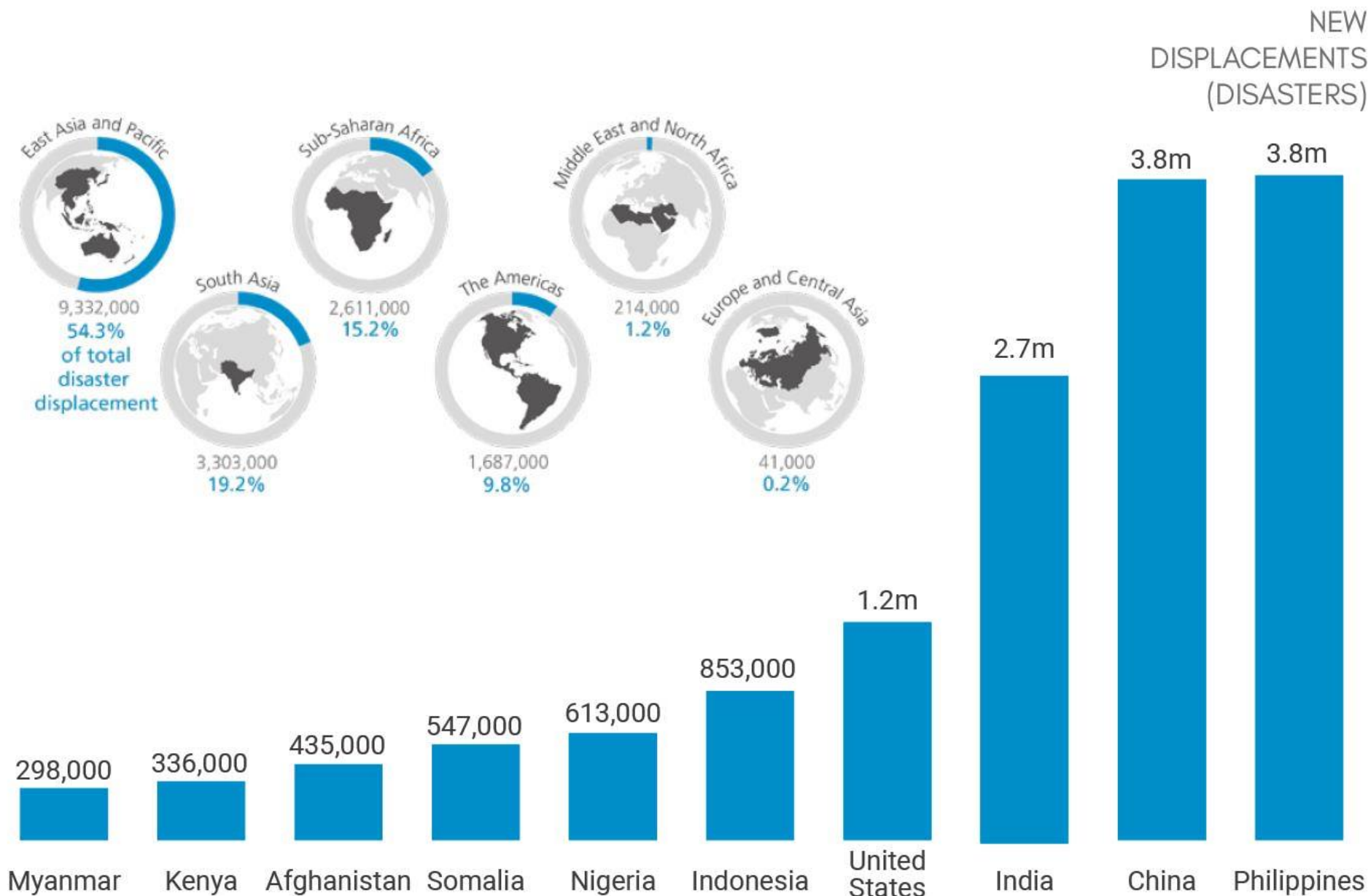


There were 28 million new displacements associated with conflict and disasters across 148 countries and territories in 2018.

61% of all new internal displacement in 2018 was triggered by disasters.

93 % from weather related disasters

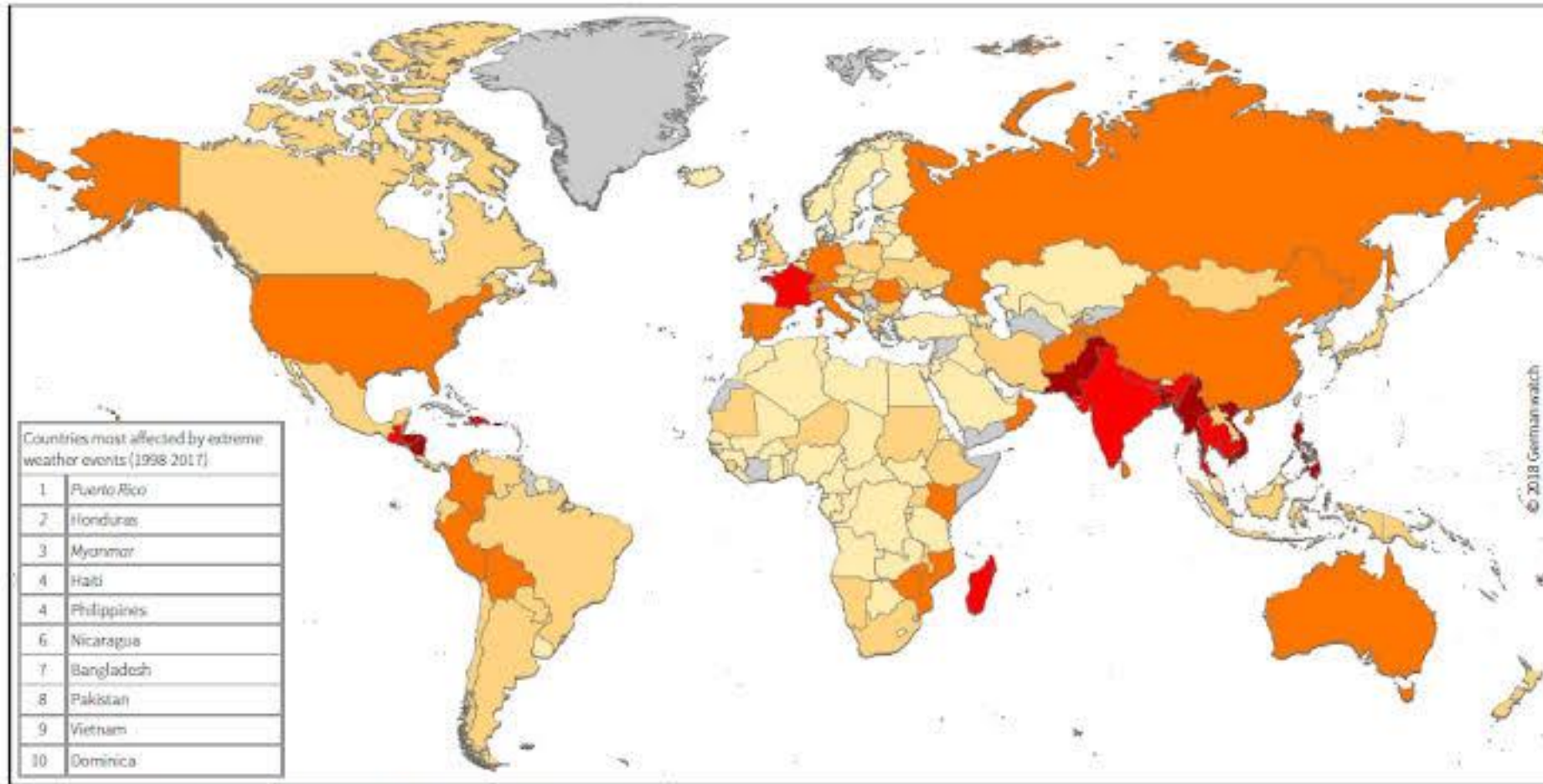
# New Displacements in 2018: Regional



Source: IDMC, 2019



# ASEAN Countries: Climate Risk Map

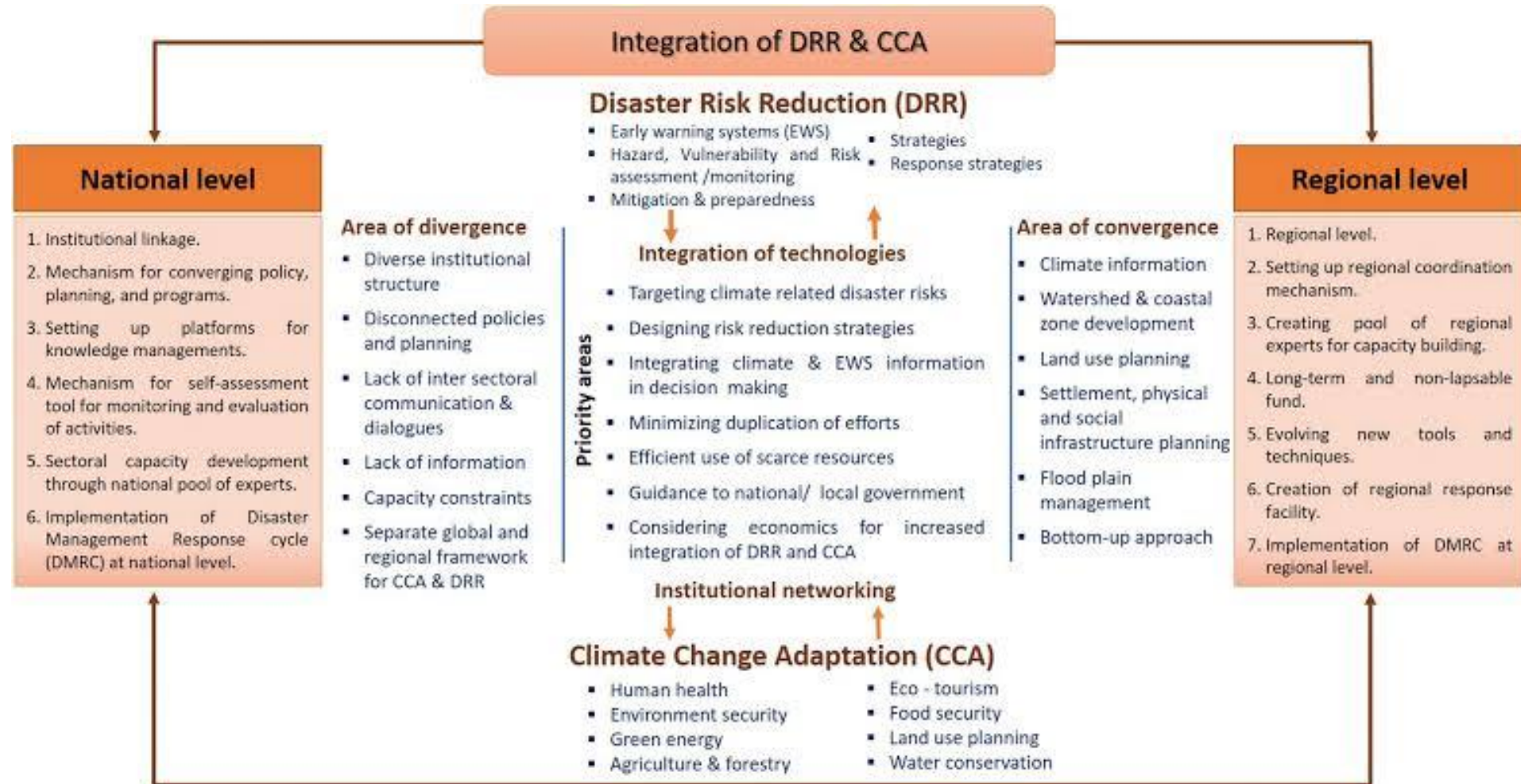


Notes: Countries where more than 90% of the losses or deaths occurred in one year or event

Climate Risk Index: Ranking 1998 - 2017

1-10	11-20	21-50	51-100	>100	No data
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# Way Forward: CCA DRR Coherence



# SERVIR-Mekong Project

## Connecting Space to Village in the Lower Mekong



SERVIR  MEKONG

<https://servir.adpc.net/>



ADPC builds capacity of stakeholders to use publicly available satellite data to:

- Improve agricultural planning of provinces in Viet Nam
- Improve cross-boundary flood modeling and preparedness planning
- Develop localized flood early warning in Myanmar
- Improve rainfall estimates in Cambodia
- Support protected area zoning process in Cambodia

THANK YOU  
FOR YOUR ATTENTION

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<http://www.adpc.net>



<http://www.drrprojects.net>



Group: Asian Disaster Preparedness Center



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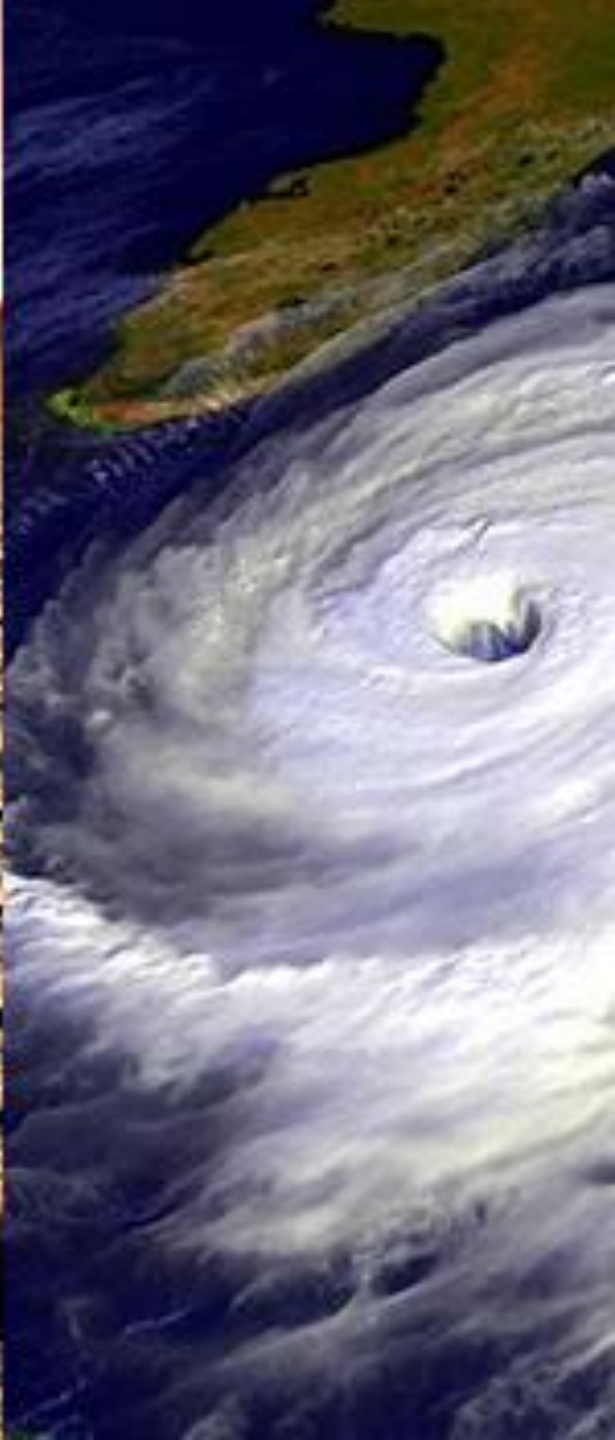


# Disasters and Displacement in a Changing Climate

Asia Pacific Housing Forum  
Bangkok, Thailand  
19 September 2019







# What do we know?

- Already 18 million people per year internally displaced by disasters
- A wide range of displacement: evacuation, temporary displacement, prolonged, protracted and permanent displacement
- 80% in the Asia Pacific region
- Numbers expected to increase due to climate change (IPCC)
- Slow onset risks: 140 million people
- Risks are not proportionately spread
- Often complex inter-related decisions behind migration



# Asia Pacific

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***“The greatest single impact of climate change could be on human migration - with millions of people displaced by shoreline erosion, coastal flooding and agricultural disruption”***

Intergovernmental Panel on Climate Change (IPCC), 1990





An Increase of Flooding Occurs Around the World in 2008



Coastal Cities are Experiencing the threat of Rising Ocean Levels

# CLIMATE REFUGEES



## Climate Change

The cause that is forcing many people out of their homes

## WWF

The organization is actioning relocation plans for refugees who are suffering from the drowning Pacific Islands





# The International Red Cross and Red Crescent Movement

Preventing Displacement  
Preparing for Displacement  
Responding to Displacement  
Supporting Recovery  
Supporting Durable Solutions

 International Federation  
of Red Cross and Red Crescent Societies





## Disasters and Displacement in a Changing Climate:

The Role of Asia Pacific  
National Societies



# Climate Change, Migration and Displacement

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# Preventing & Preparing for Displacement

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# Responding to Displacement

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# Supporting Recovery & Durable Solutions

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# Local level action

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**THANK YOU**

