

Disaster-related displacement and climate change

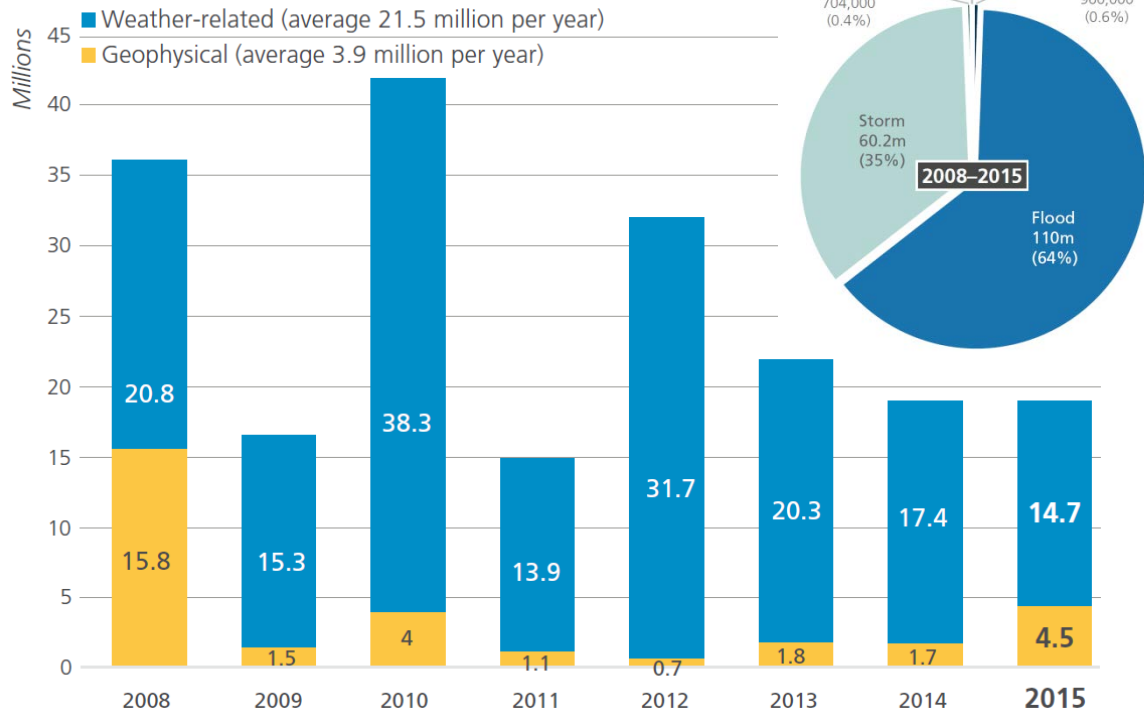
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Displacement due to weather extremes

Figure 1.10: Annual new displacements, 2008 to 2015, by hazard category



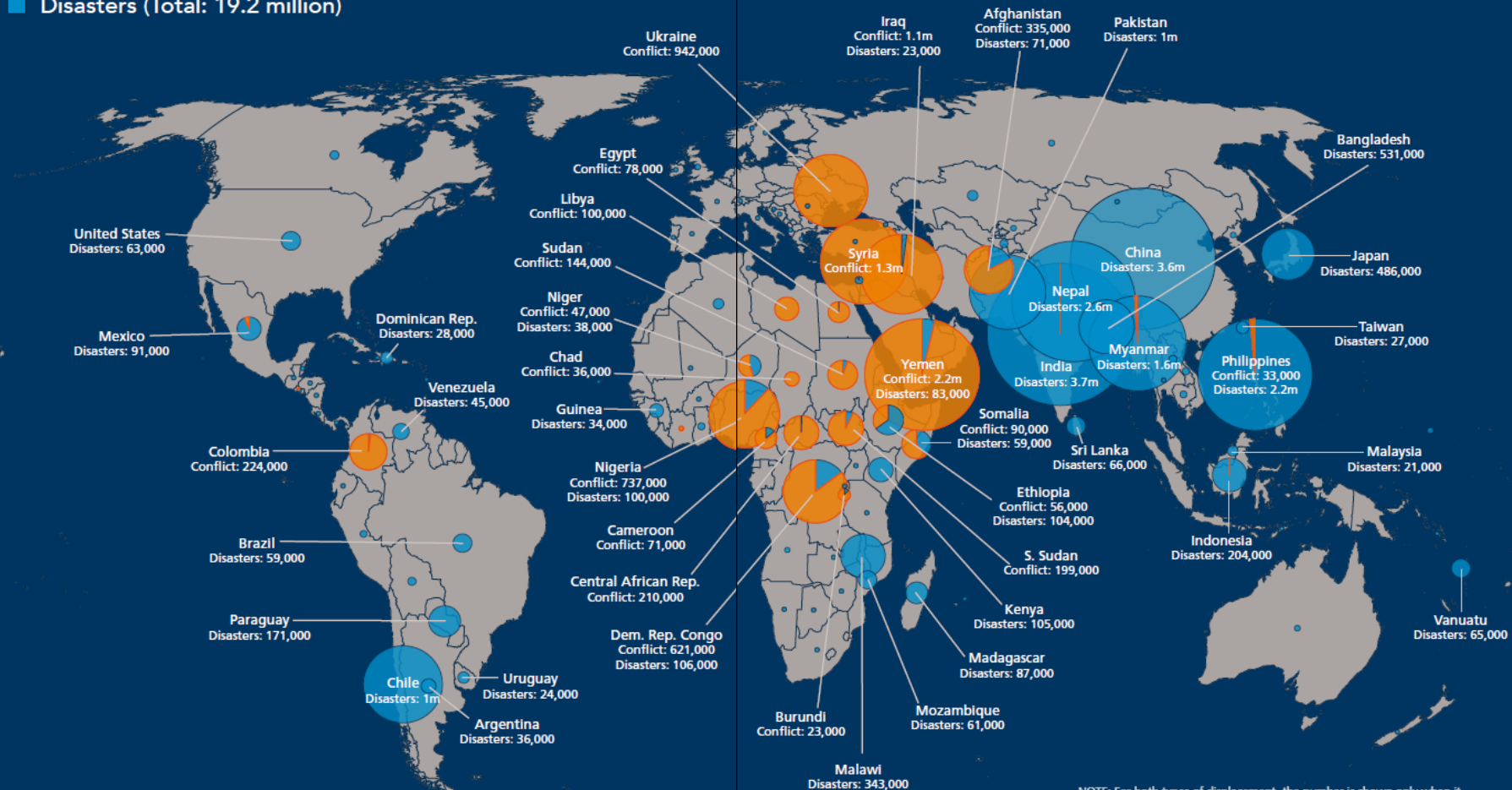
IDMC (2016)

- Weather extremes (mainly floods, storms) are major triggers of internal displacement
 - Slower extreme events, such as droughts, are not included here, but are risk factors, too
- How do these extreme events change in a changing climate?

New displacements associated with conflict and disasters in 2015

Conflict and violence (Total: 8.6 million)

Disasters (Total: 19.2 million)

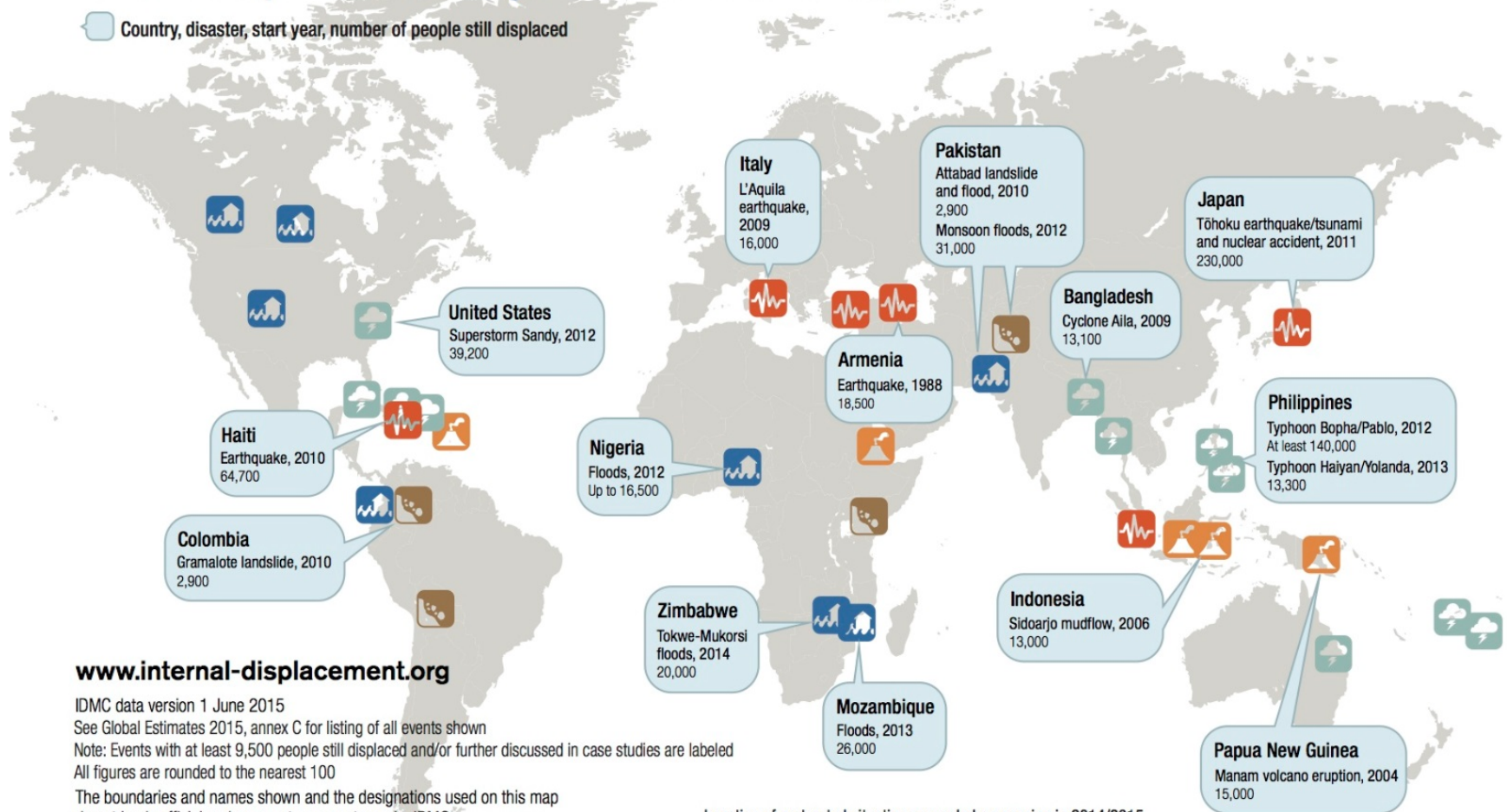


NOTE: For both types of displacement, the number is shown only when it exceeds 20,000. The size of the pie charts is fixed for estimates of 5,000 or less. In a few cases, the same person may be displaced more than once.

Source.: IDMC (2016)

Protracted displacement following disasters worldwide in 2014/2015

Country, disaster, start year, number of people still displaced



www.internal-displacement.org

IDMC data version 1 June 2015

See Global Estimates 2015, annex C for listing of all events shown

Note: Events with at least 9,500 people still displaced and/or further discussed in case studies are labeled

All figures are rounded to the nearest 100

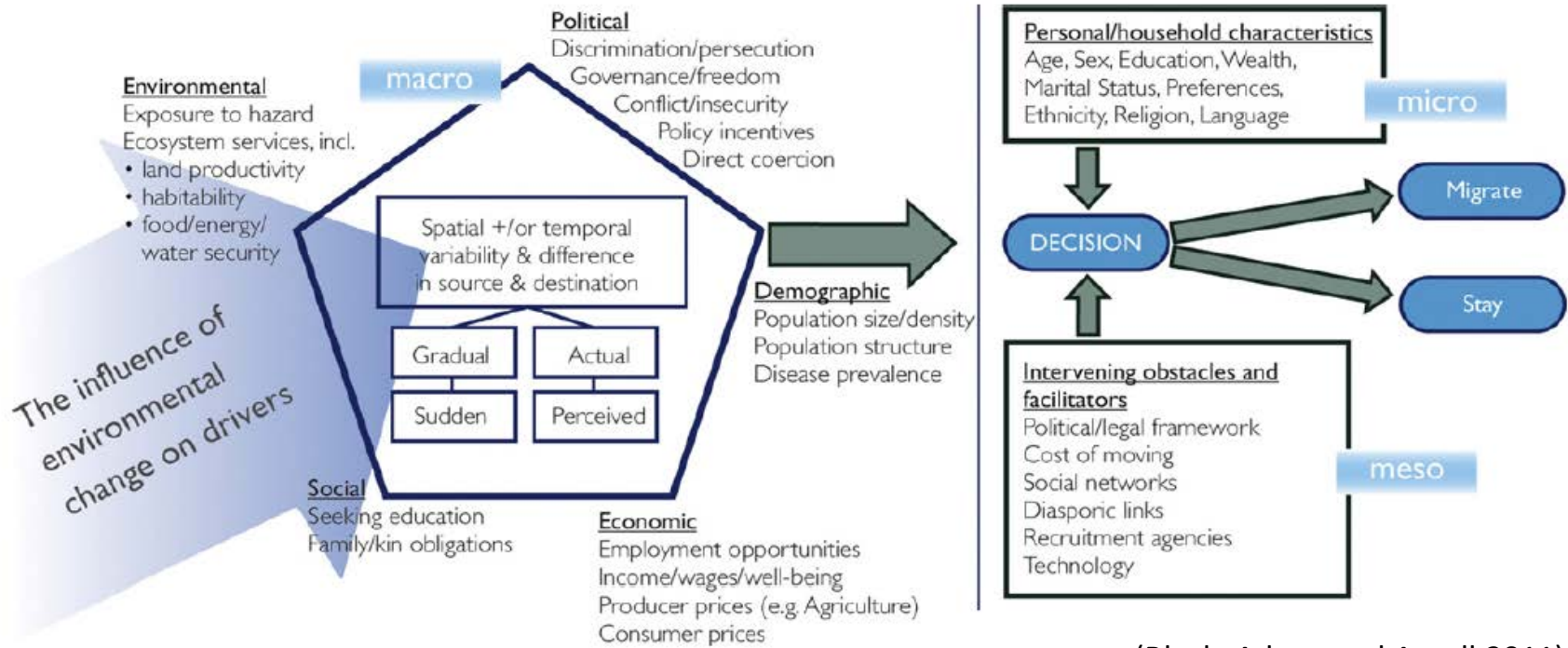
The boundaries and names shown and the designations used on this map do not imply official endorsement or acceptance by IDMC.



Location of protracted situations recorded as ongoing in 2014/2015

- Floods
- Landslide
- Volcanic eruption
- Earthquake
- Storm

Migration and climate change...



(Black, Adger, and Arnell 2011)

Fig. 2. A conceptual framework for the 'drivers of migration'.

Longer-term, international migration: Influence of environmental changes tends to be more complex and indirect, but evidently exists

Potential for ISIMIP-based research

- Find out to what extent our models capture the relevant types of hazards
- Analyze future changes in these hazards, and combine with socio-economic considerations to estimate displacement risk
- Attribute past displacement

...many caveats, but potentially important
„aggregate“ impact of climate change – ISIMIP has the most appropriate biophysical scenarios