

Emerging Climate Risks

An Inconvenient Truth

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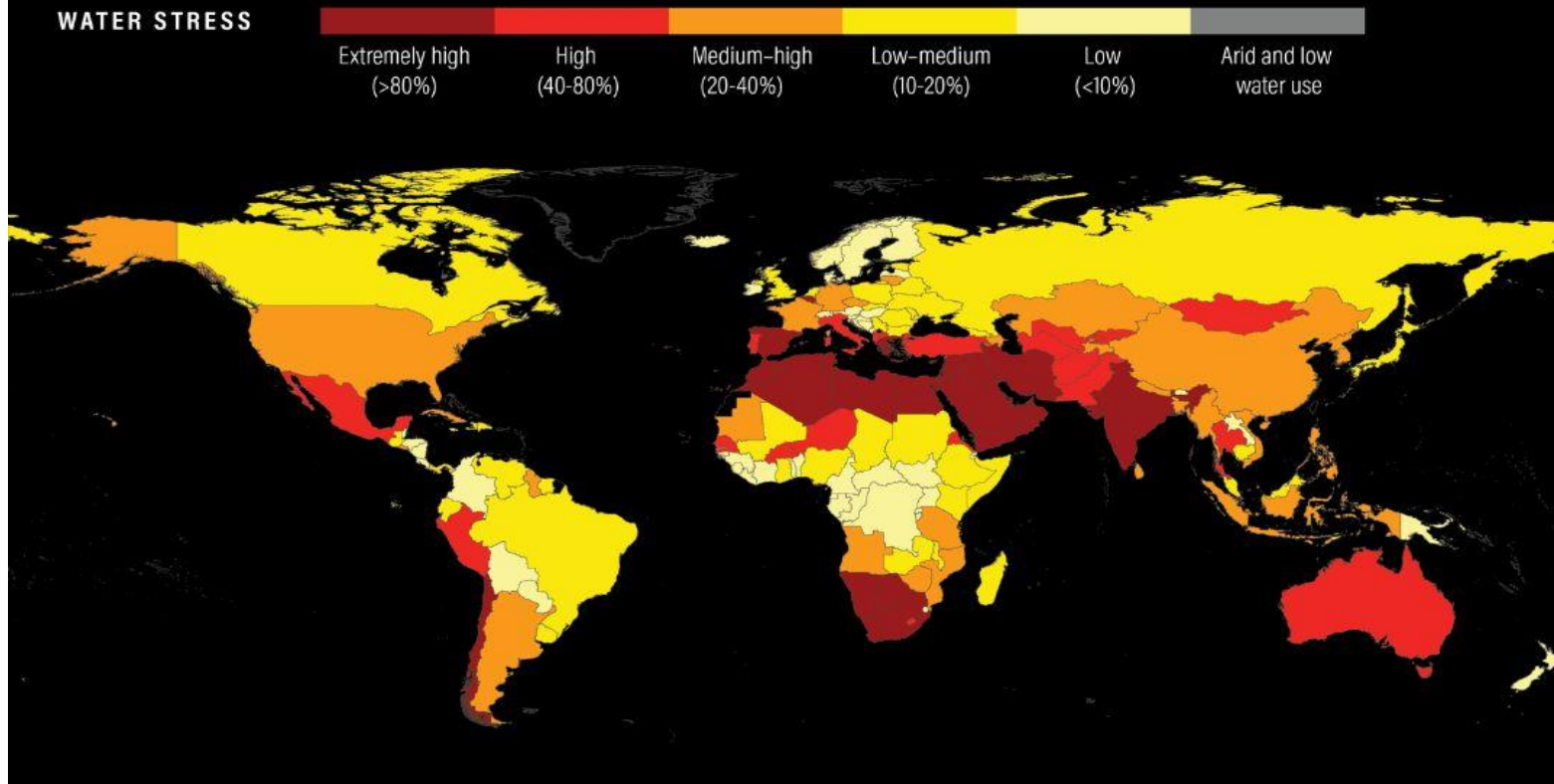


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BY 2050, AN ADDITIONAL 1 BILLION PEOPLE ARE EXPECTED TO LIVE WITH EXTREMELY HIGH WATER STRESS



Main causes

-  increasing Population
-  Irrigated agriculture
-  Livestock
-  Energy production
-  Manufacturing

Source: *World Resources Institute & AQUEDUCT*

Climate Change & Variability

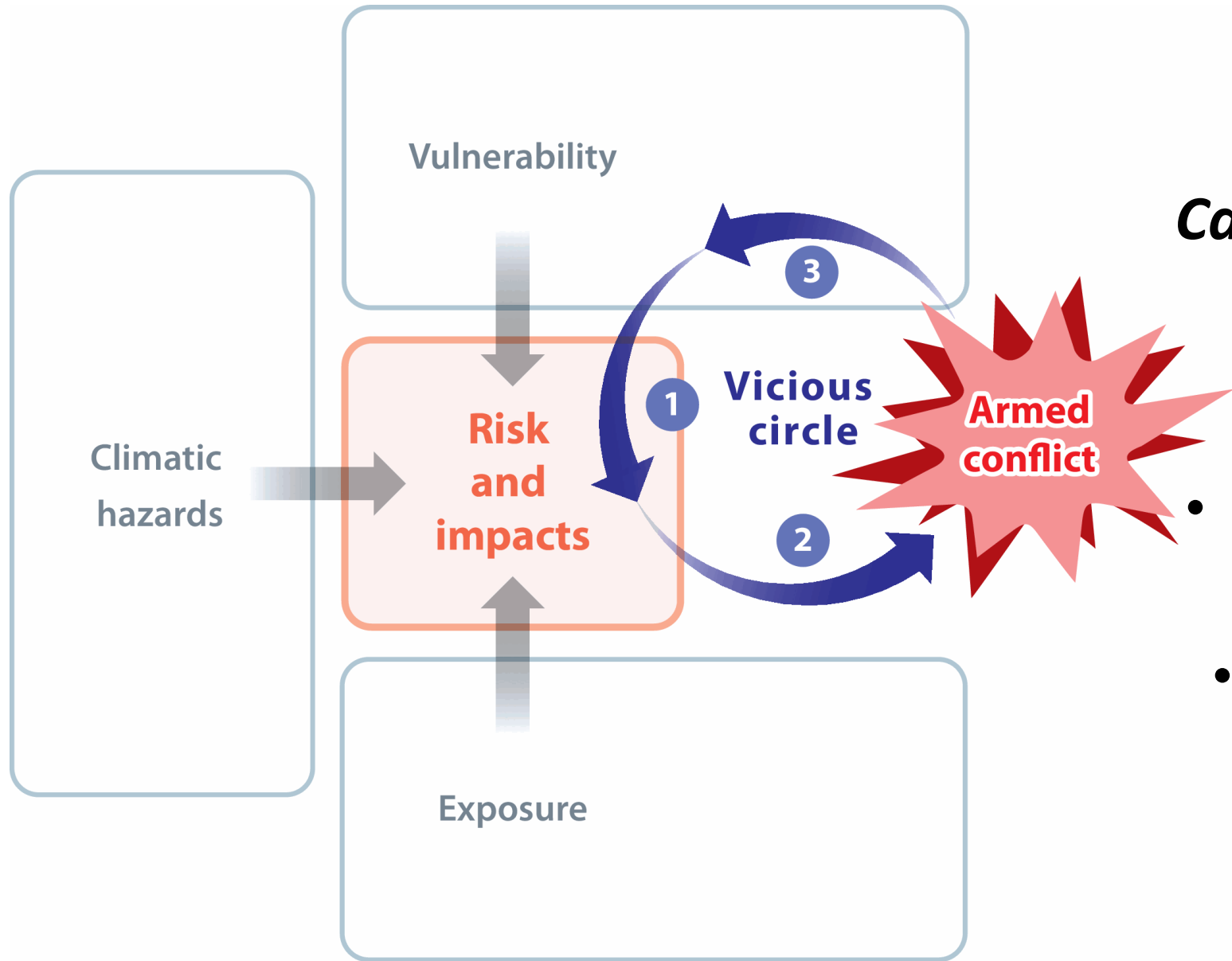
Water Stress

**Agricultural
Productivity**

**Climate
Security**



Different pathways link climate variability and shocks to conflict risk and migration



Can Climate Change amplify Conflict Risk?

- *an Exacerbating factor, but not the main driver*
- *affects risk of conflict via resource scarcity*

Source: Buhaug and von Uexkull, 2021, *Annu. Rev. Environ. Resour.* 46:545–68

Climate Change & Variability

Camp Century, a once-secret U.S. military base built in 1959 was called the "city under the ice"



Melting Glaciers



What lies beneath?

Source: Colgan et al., 2016, *Geophys. Res. Lett.*, 43, 8091–8096

The Arctic is a fascinating place where fast climate change, environmental sensitivity and geopolitics converge

How do we tackle this waste from entering the ecosystem?

- Dynamic nature of Glaciers
- May not be restricted to Greenland ... *other sites need to identified/studied*

Political and Legal liability?

- Multinational Origin + Multigenerational Legacy of abandoned sites

Thank You for your attention!

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