

# Climate Change, Displacement, Internal Mobility and International Migration

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**EMN Conference** 

Stockholm, May 11-12, 2023







# **Climate Change**

# Impact on human mobility

Leads more often to displacement that can be reversed

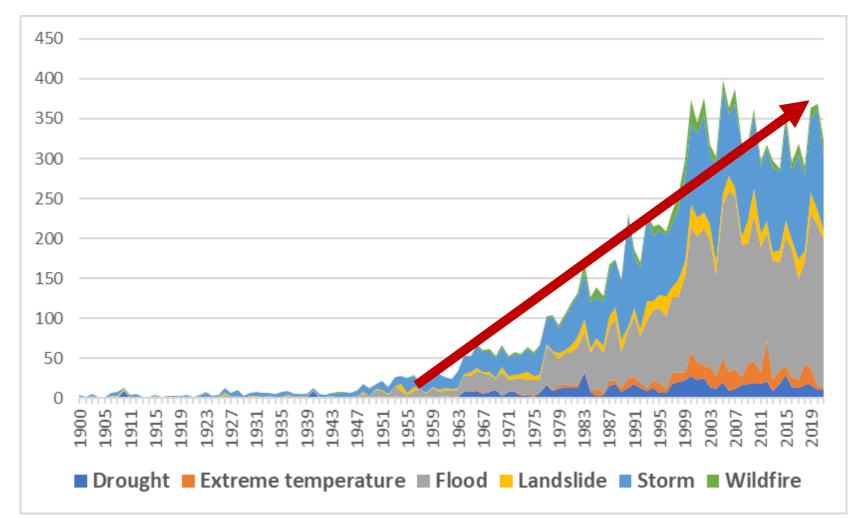
- Natural disasters
- Gradual changes

Leads more often to permanent change of residence

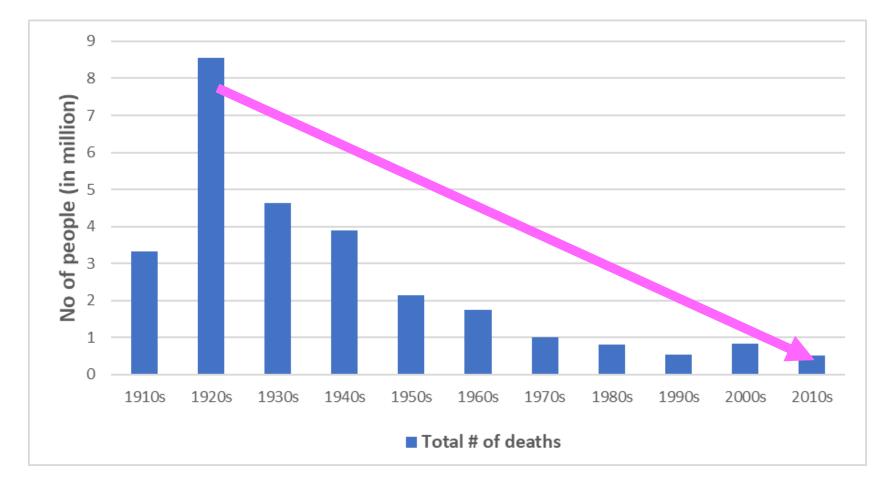
Degradation of subsistence base

Indirect effect: often perceived as negative economic change

#### **Climate change: Disasters are becoming more frequent** Reported natural disasters by type of disaster without geophysical disasters, Absolute numbers, 1900-2021

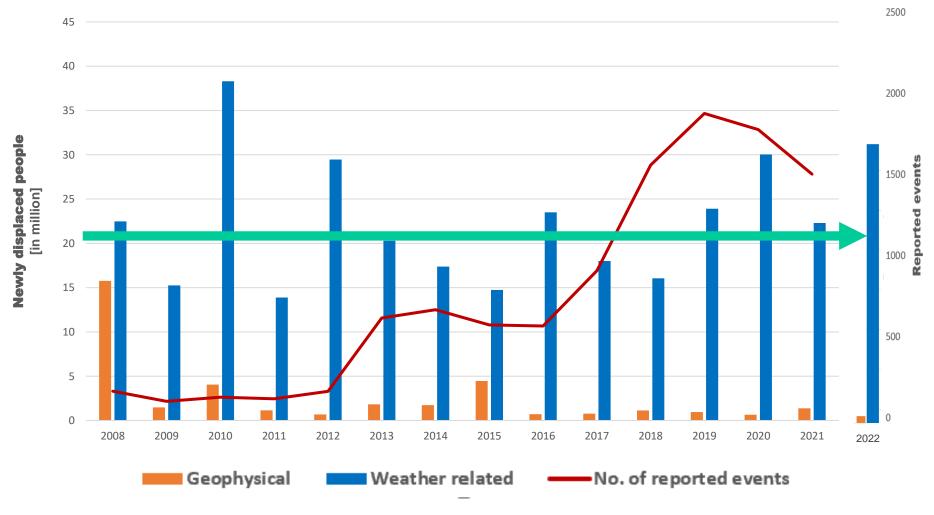


#### **The good news: Much fewer people die during disasters** Reported number of deaths caused by natural disasters Absolute numbers per decade, 1900-2021



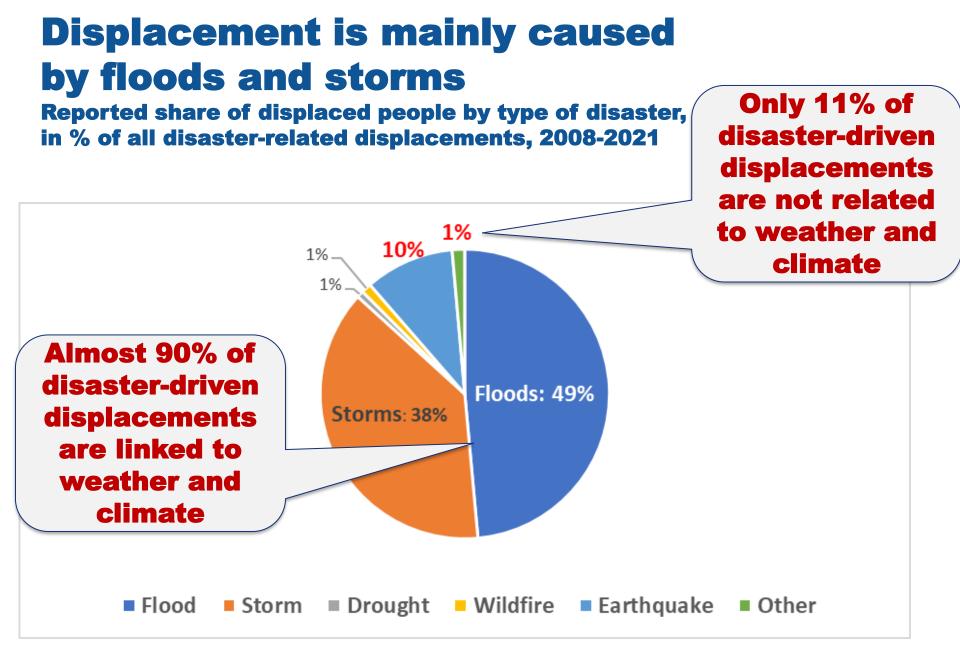
# The bad news: Reported natural disasters displace large numbers of people 375 million since 2008

Absolute number of disaster-related displacements, 2008-2022



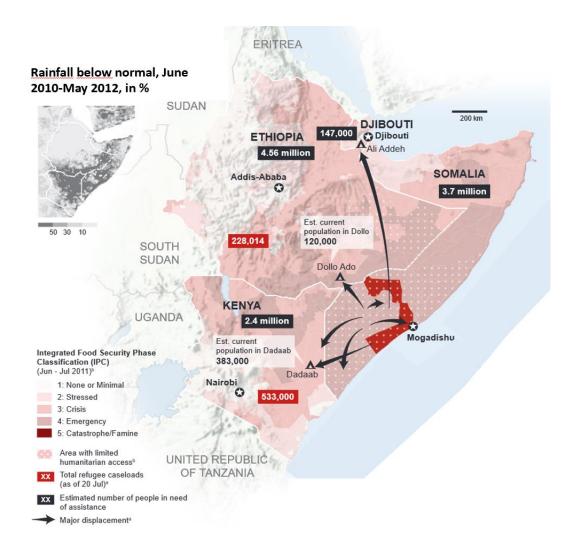
# **375 million**

Between 2008 and 2021 about 342 million people have been displaced by natural disasters



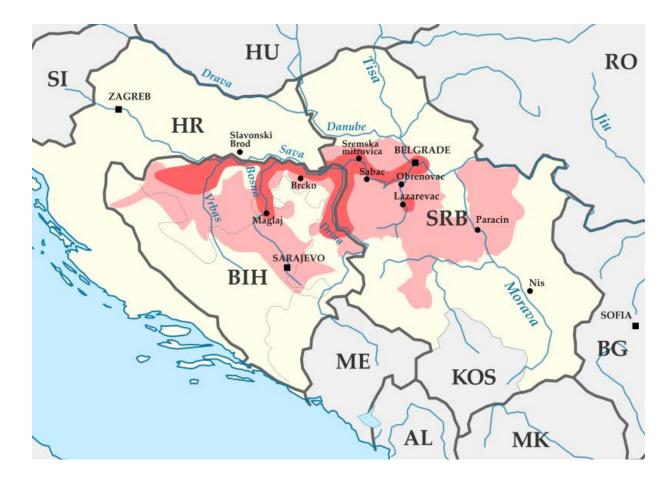
# **Displacement across international borders** is rare

# **Drought-related displacement within and from Somalia, absolute numbers, 2010-2011**



### **Displacement across international borders** is rare

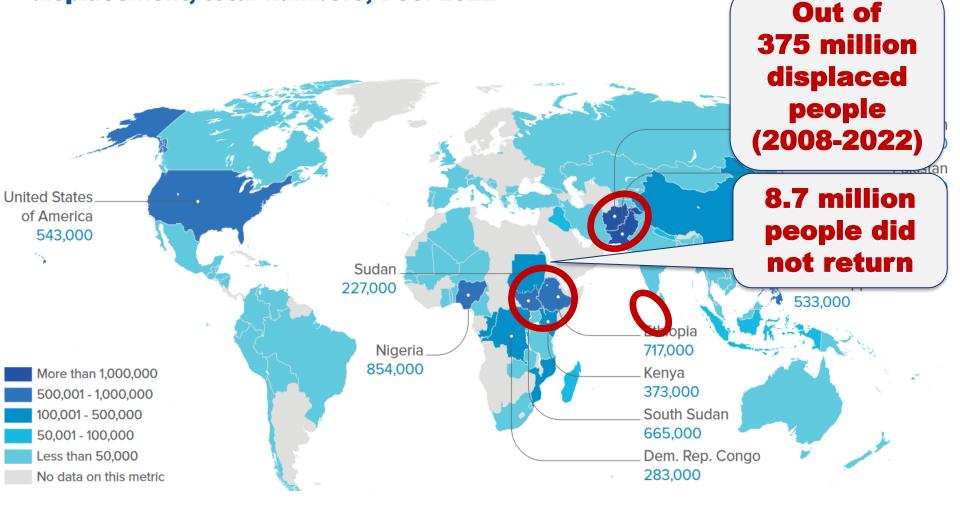
Flood-related displacement along the Sava and the Drina river, 2014



# What happens to people displaced by natural disasters?

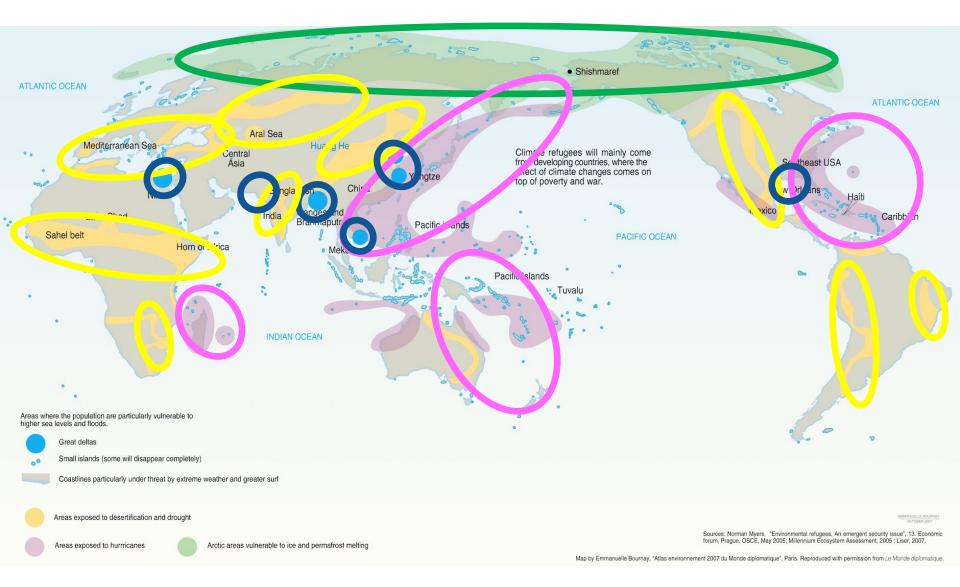
# Most people displaced by natural disasters return to their place of origin

Internally Displaced Persons who have not returned after initial disaster displacement, total numbers, Dec. 2022



# Gradual change of habitat and mobility

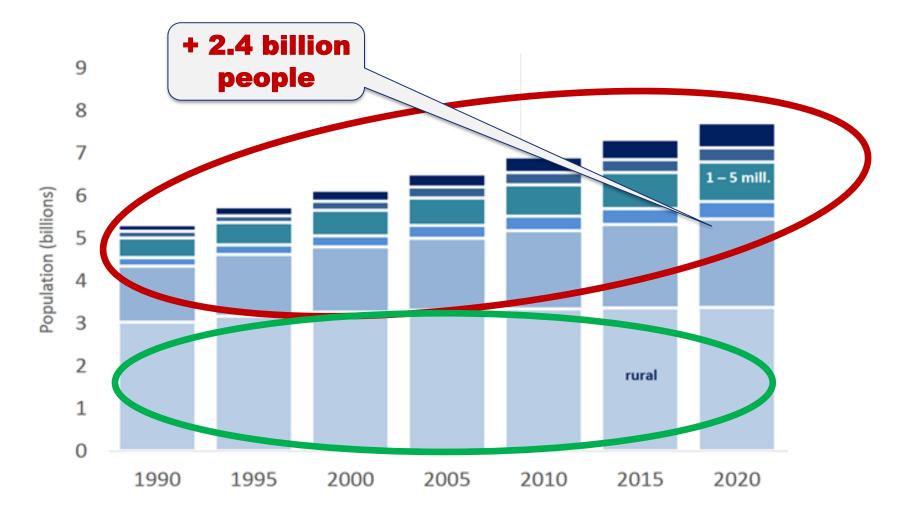
### **Regions negatively affected by future climate change**



#### Source: Le Monde Diplomatique

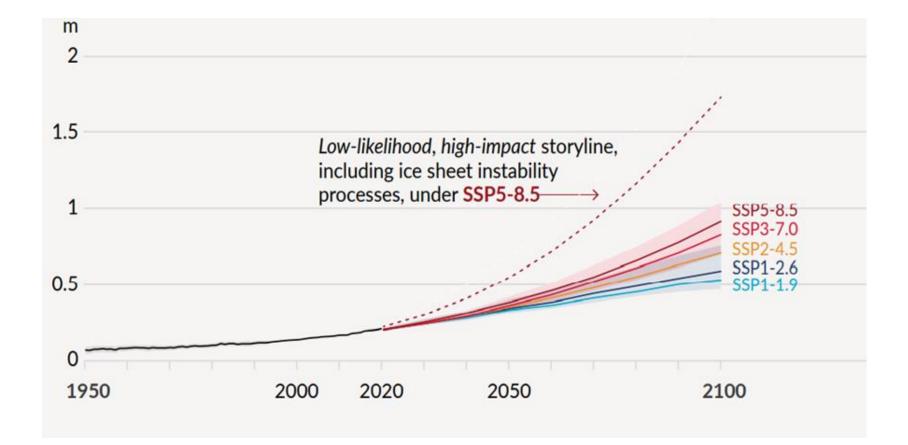
# **Growth of urban population: Main indicator of slow onset climate change impacting mobility**

#### **Global population by type of settlement, 1990-2020**



# High uncertainty about the future

### **Rising sea levels:** 6 scenarios



# **People living below 5 meters above sea level: 327 million**

And the risk of displacement 2008-2021



**Upper middle income countries: 116 million** 

Lower middle income countries: 122 million

# Low income countries: 27 million<sup>\*</sup>

63%

**68%** 

# Climate change does not automatically lead to loss of livelihoods and displacement

### What to do?

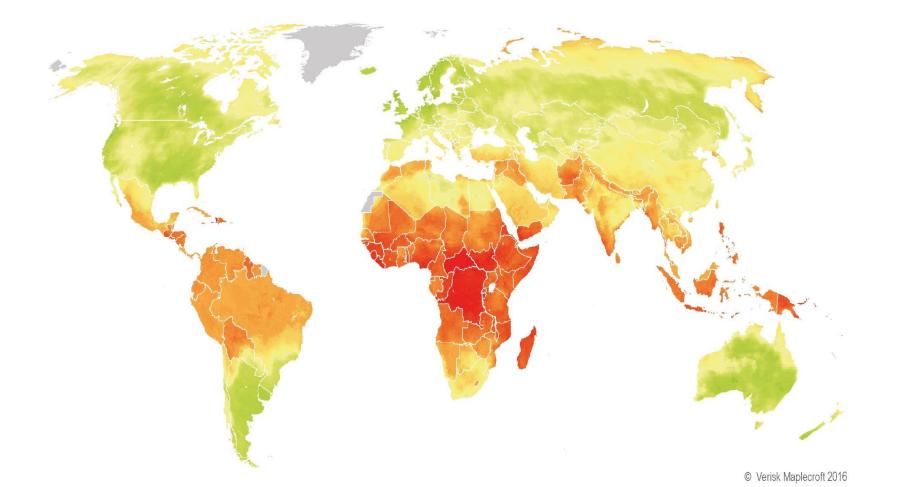
(1) Getting better prepared: Humanitarian intervention and disaster relief

(2) Prevention: Less greenhouse gas emissions
(3) Preparation: Permanent resettlement (4)
Adaption: Changing the subsistence base of people living in areas affected by slow onset degradation
(5) Mitigation: for example, building dams and developing tidal management
(6) Using insurance and capital market instruments

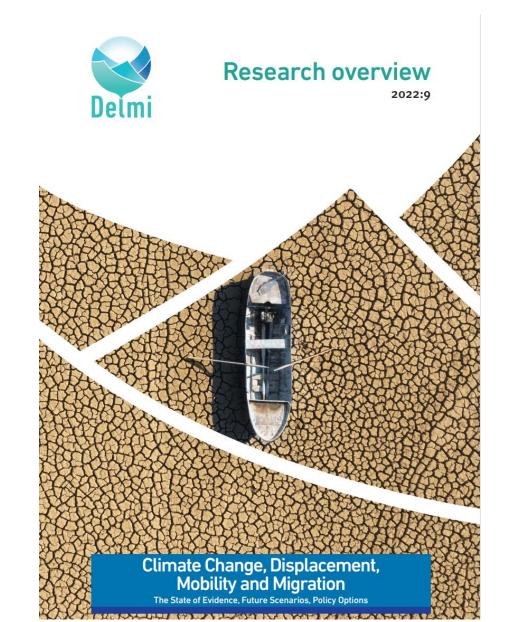
(7) Overall: Enhancing resilience

# **Enhancing resilience**

#### Negative exposure to climate change and assumed (in)ability to cope



# Get the full story from the Delmi report prepared by Mathias Czaika and Rainer Muenz









# **Thank you for your attention**

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