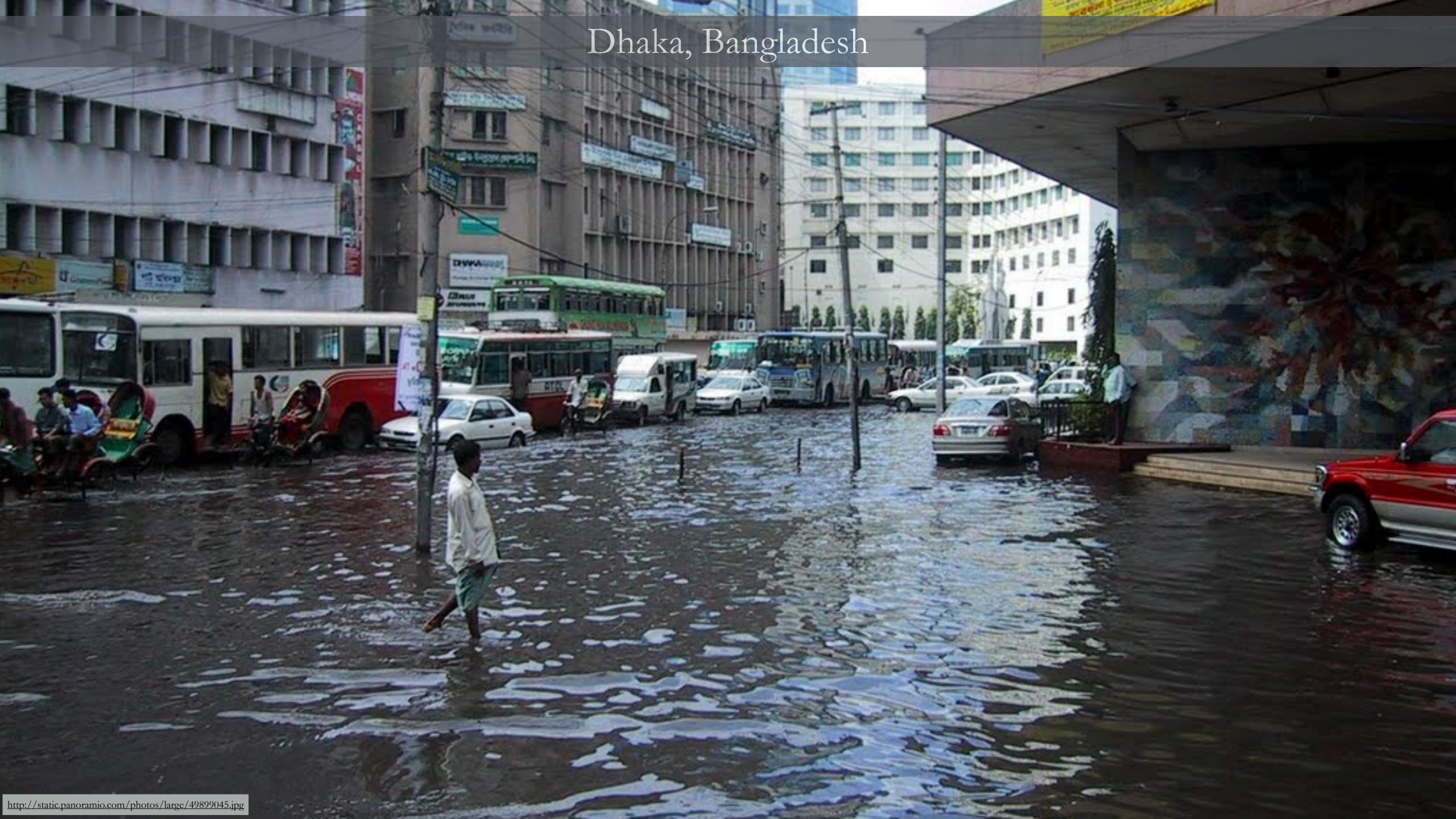






Desertification in the Sahel Source: http://www.aljazeera.com/mritems/images/2012/6/24/2012624215938822282_8.jpg

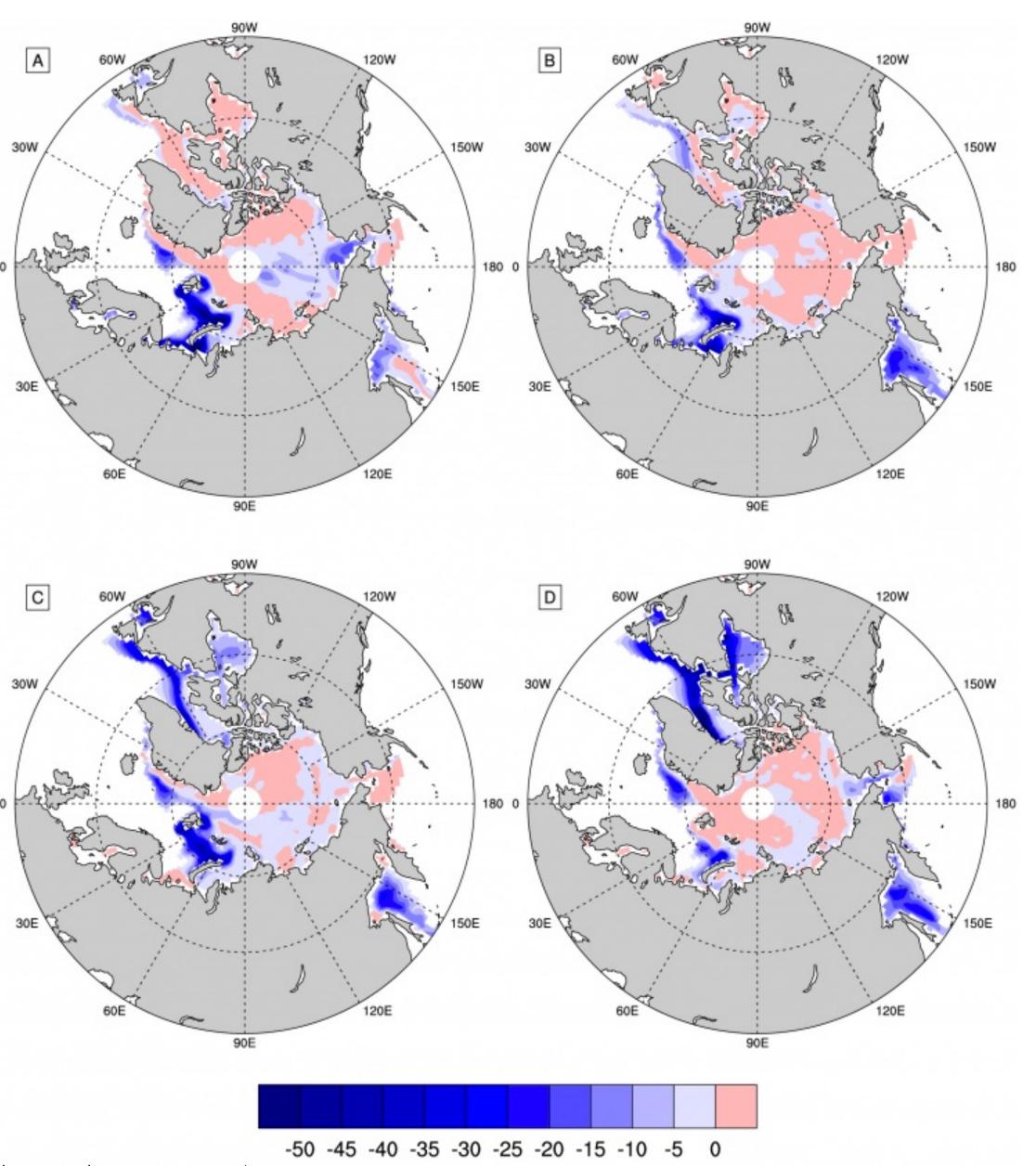


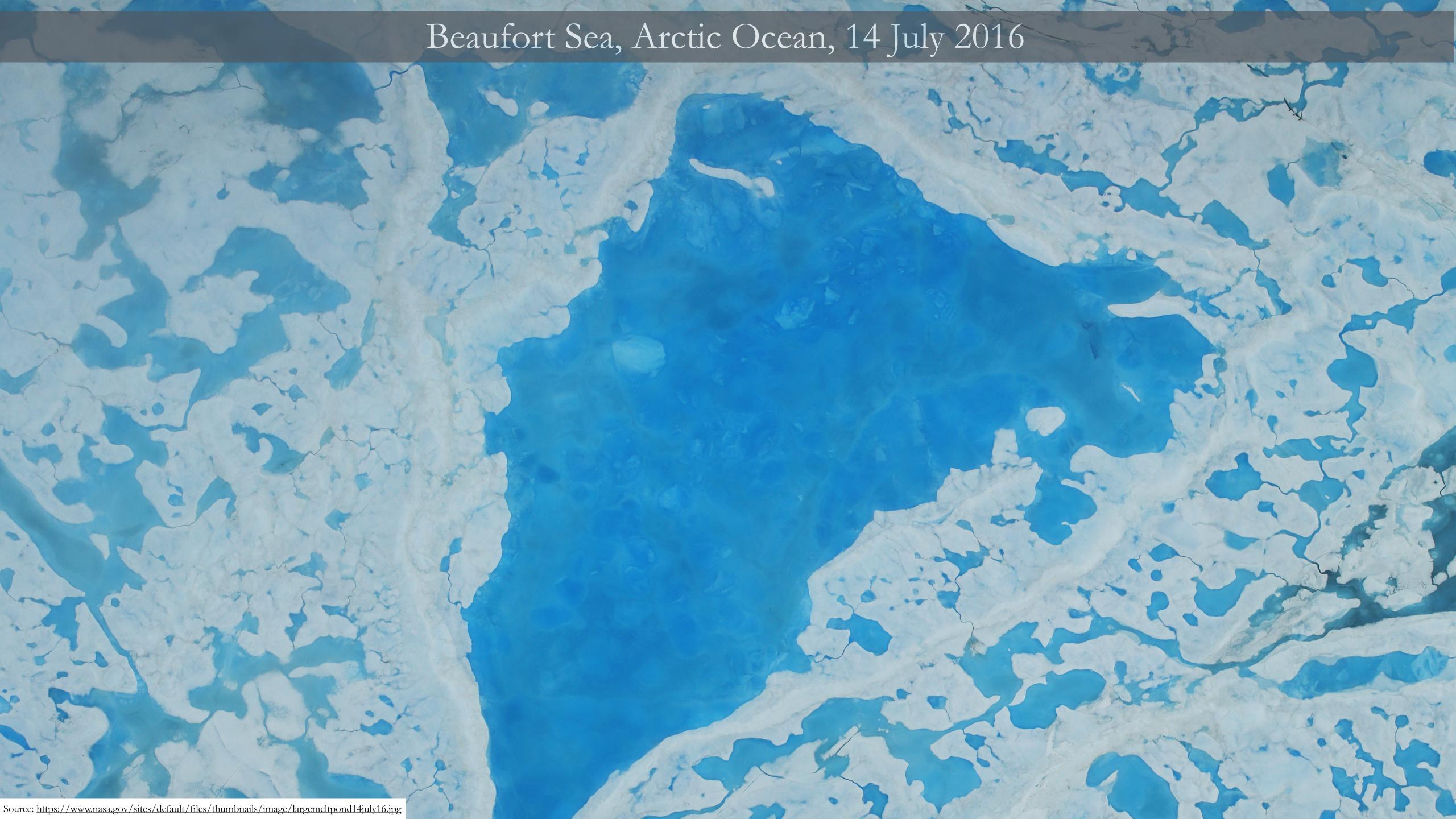






Arctic sea ice loss





Antarctic ice gain and loss

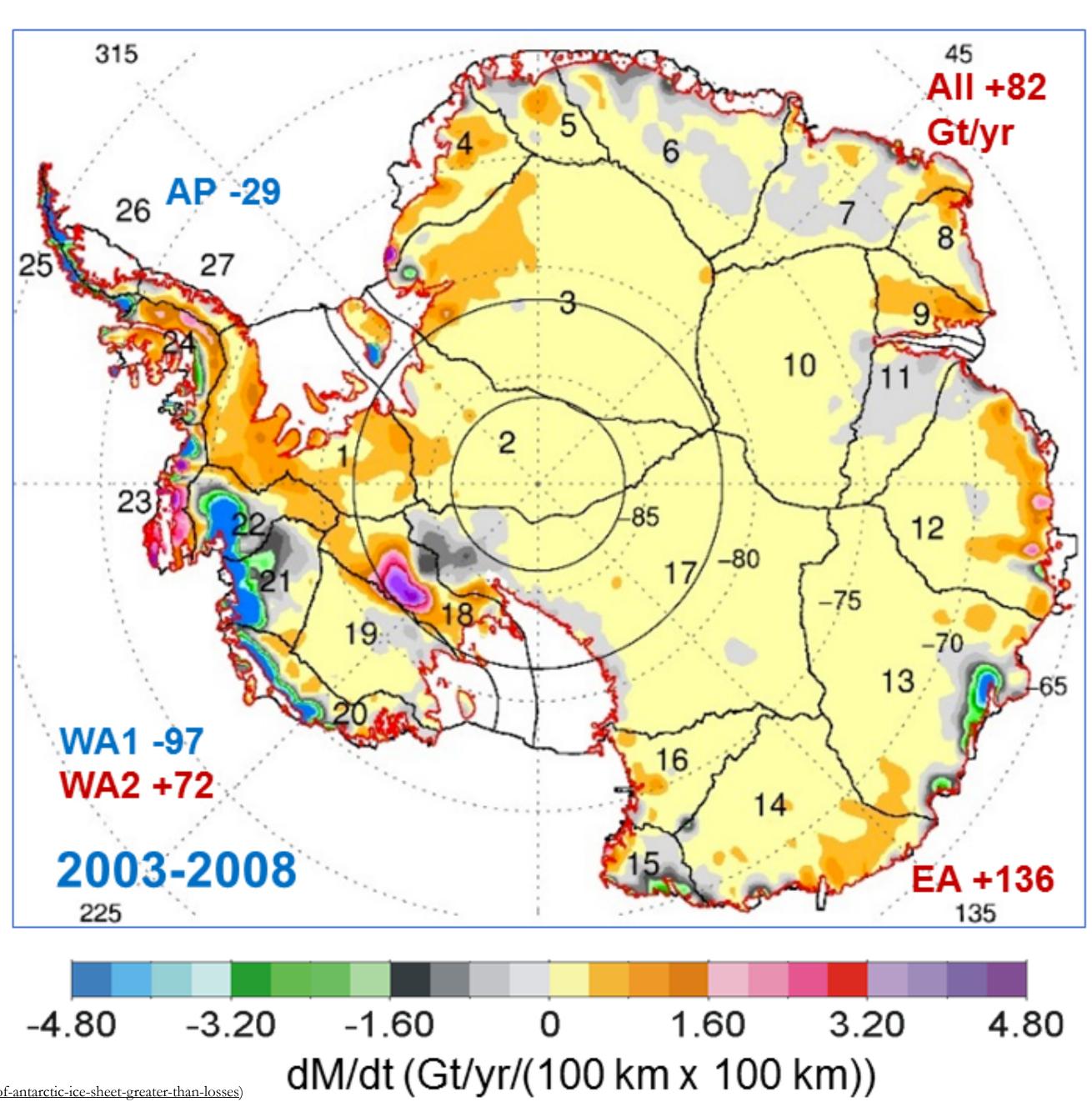


Figure 1b
Latin America & Caribbean region: Exposed population (5m SLR)

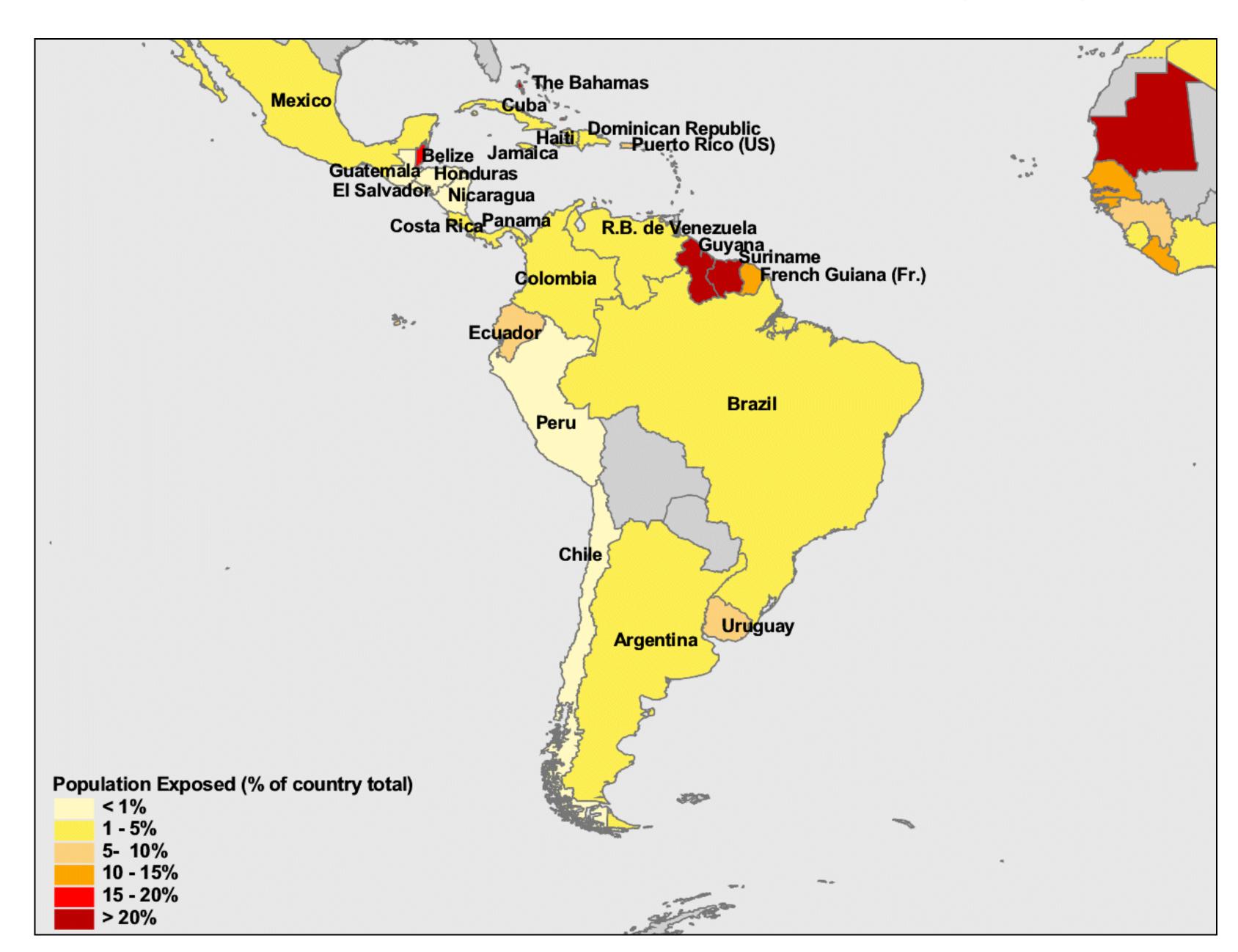


Figure 2b
Middle East and North Africa region: Exposed population (5m SLR)

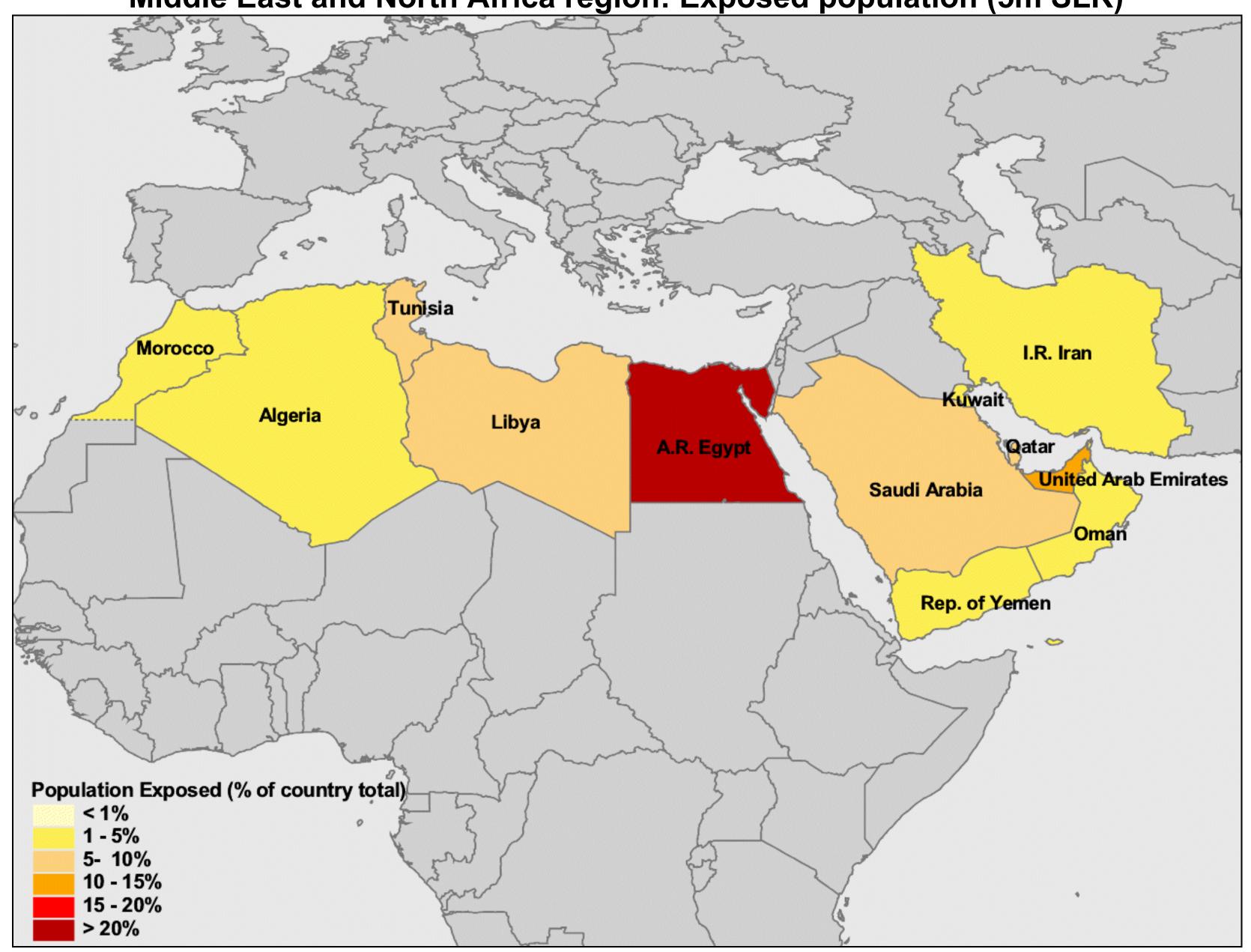


Figure 3b
Sub-Saharan Africa: Exposed population (5m SLR)

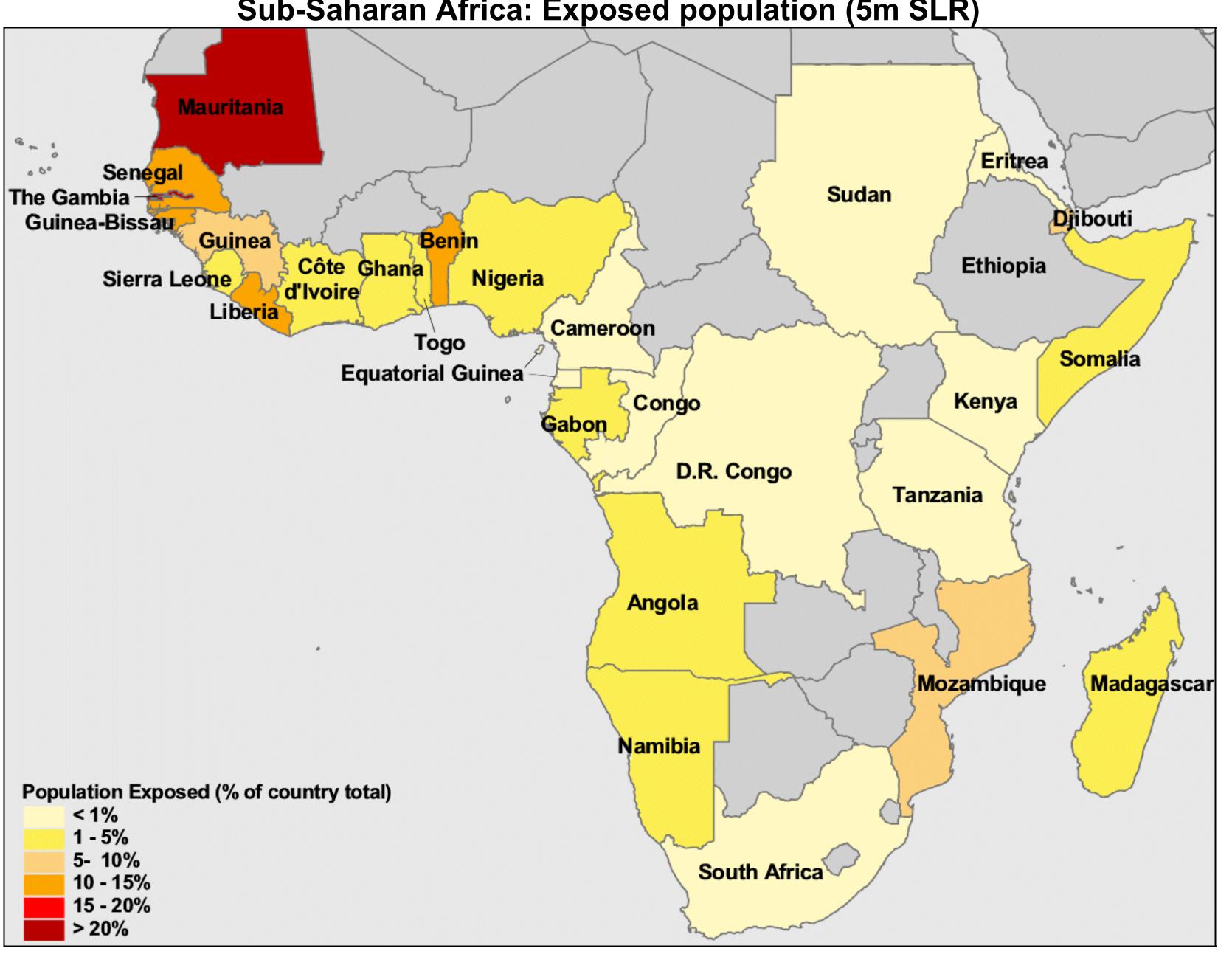


Figure 5b
South Asia: Exposed population (5m SLR)

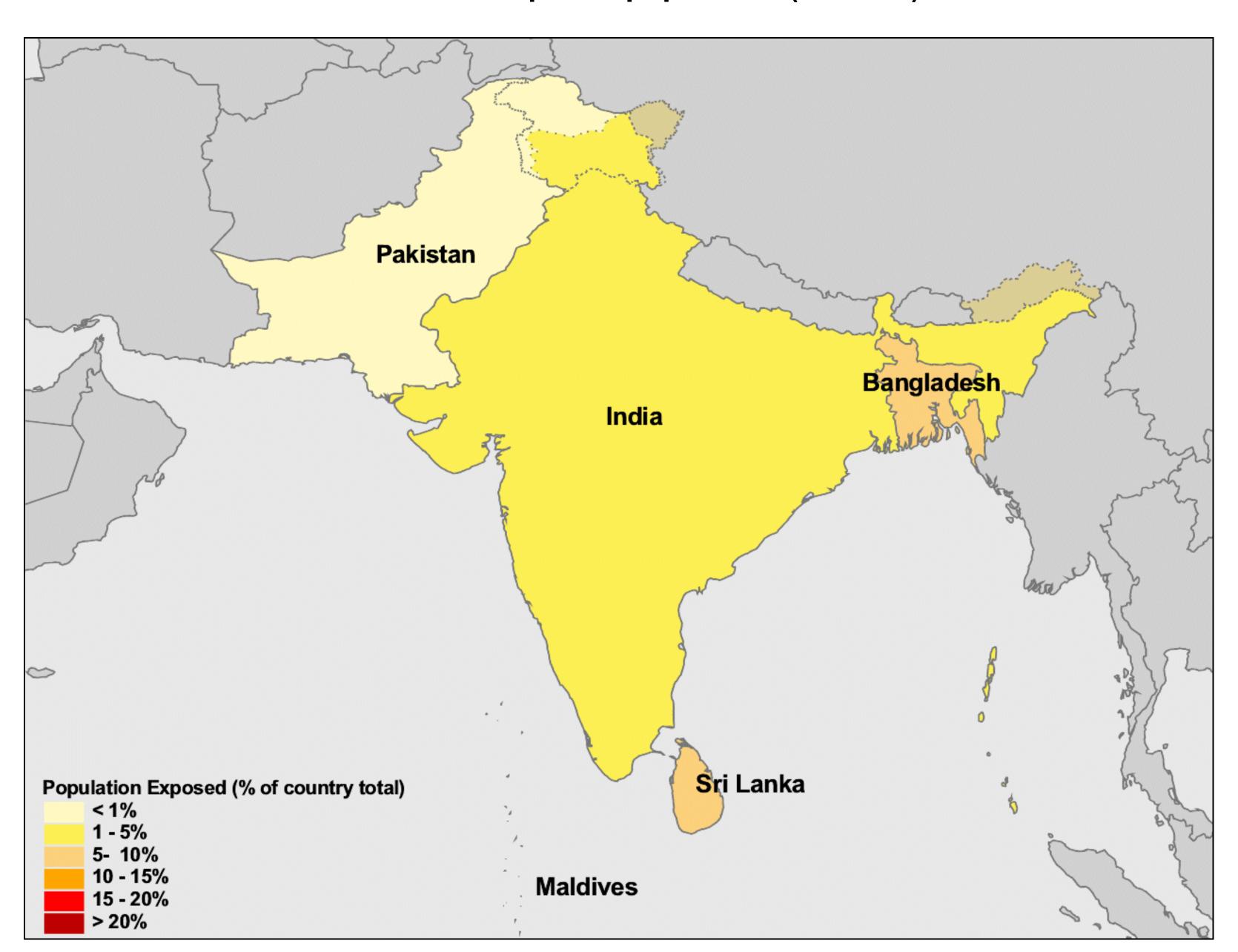


Figure 4c
East Asia: Exposed population (5m SLR)

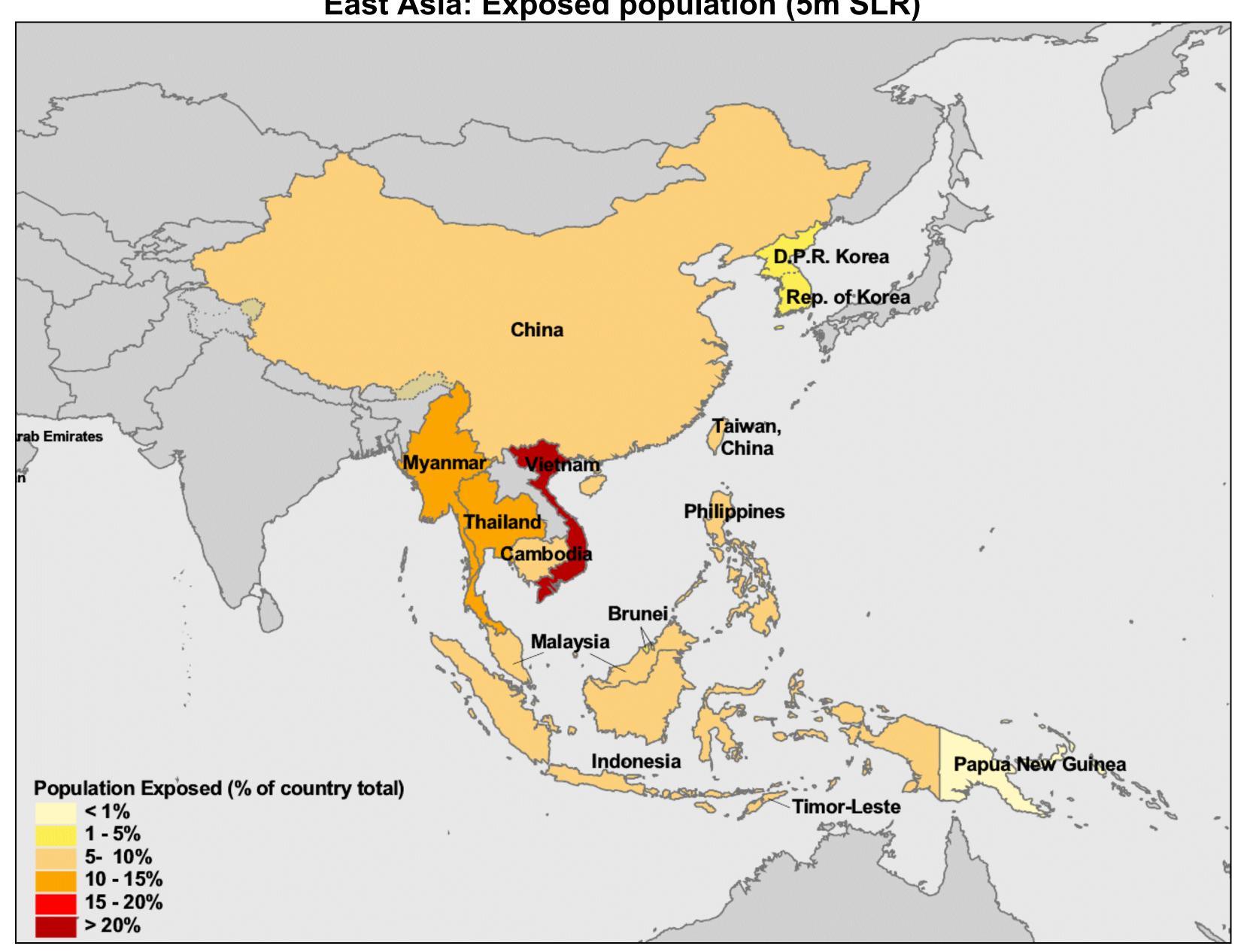
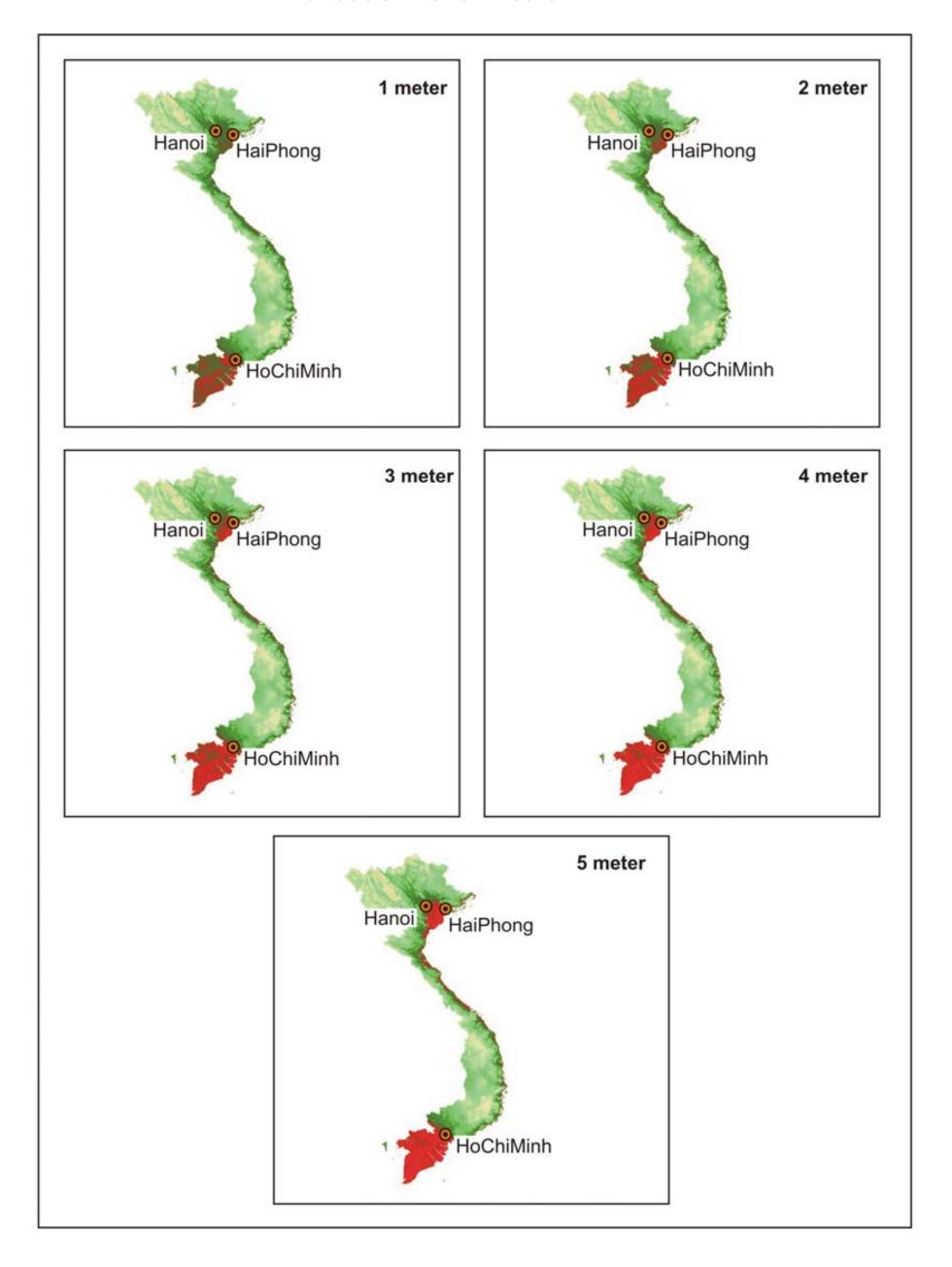
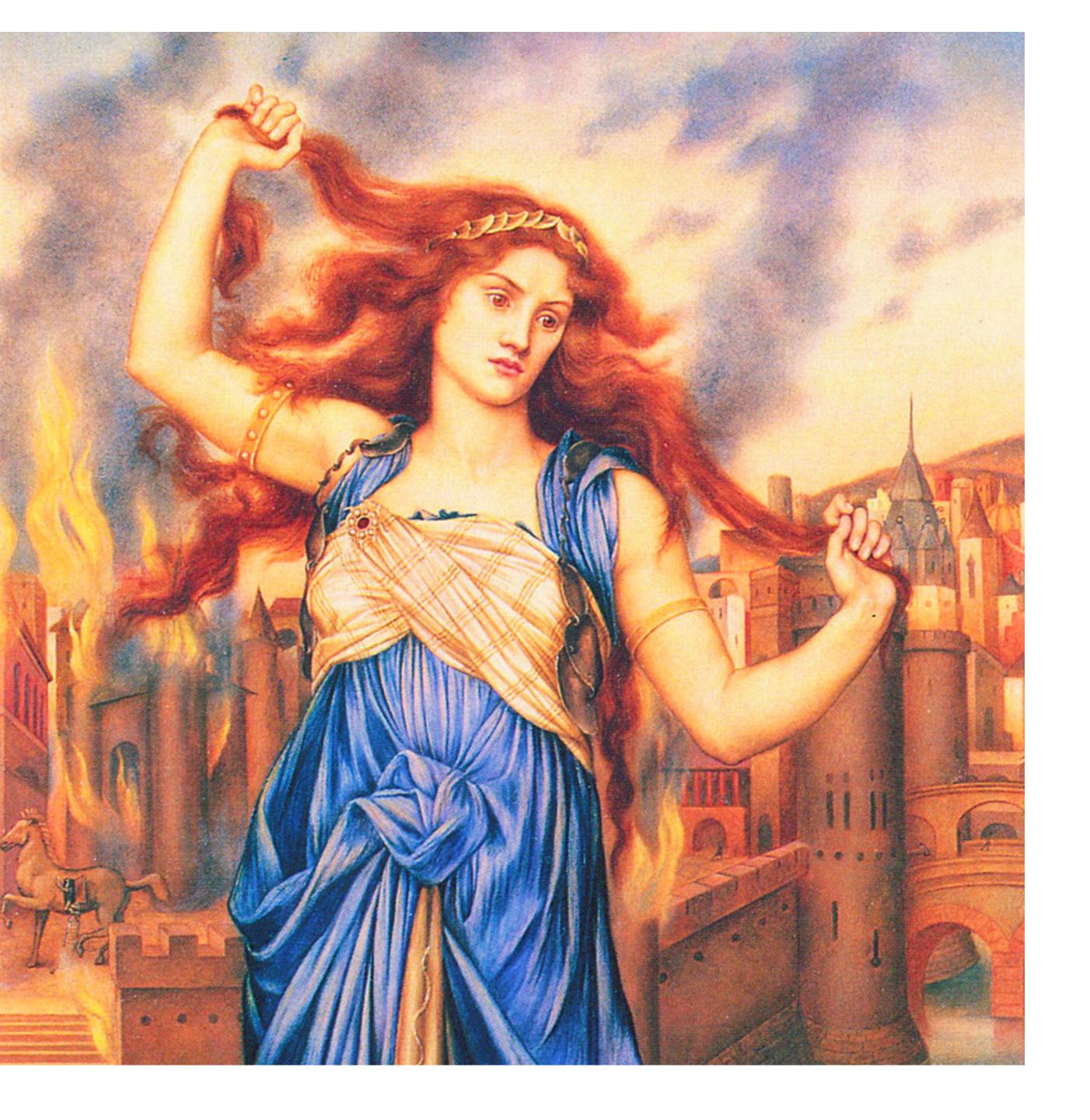


Figure 4b
Inundation zone: Vietnam







Donate

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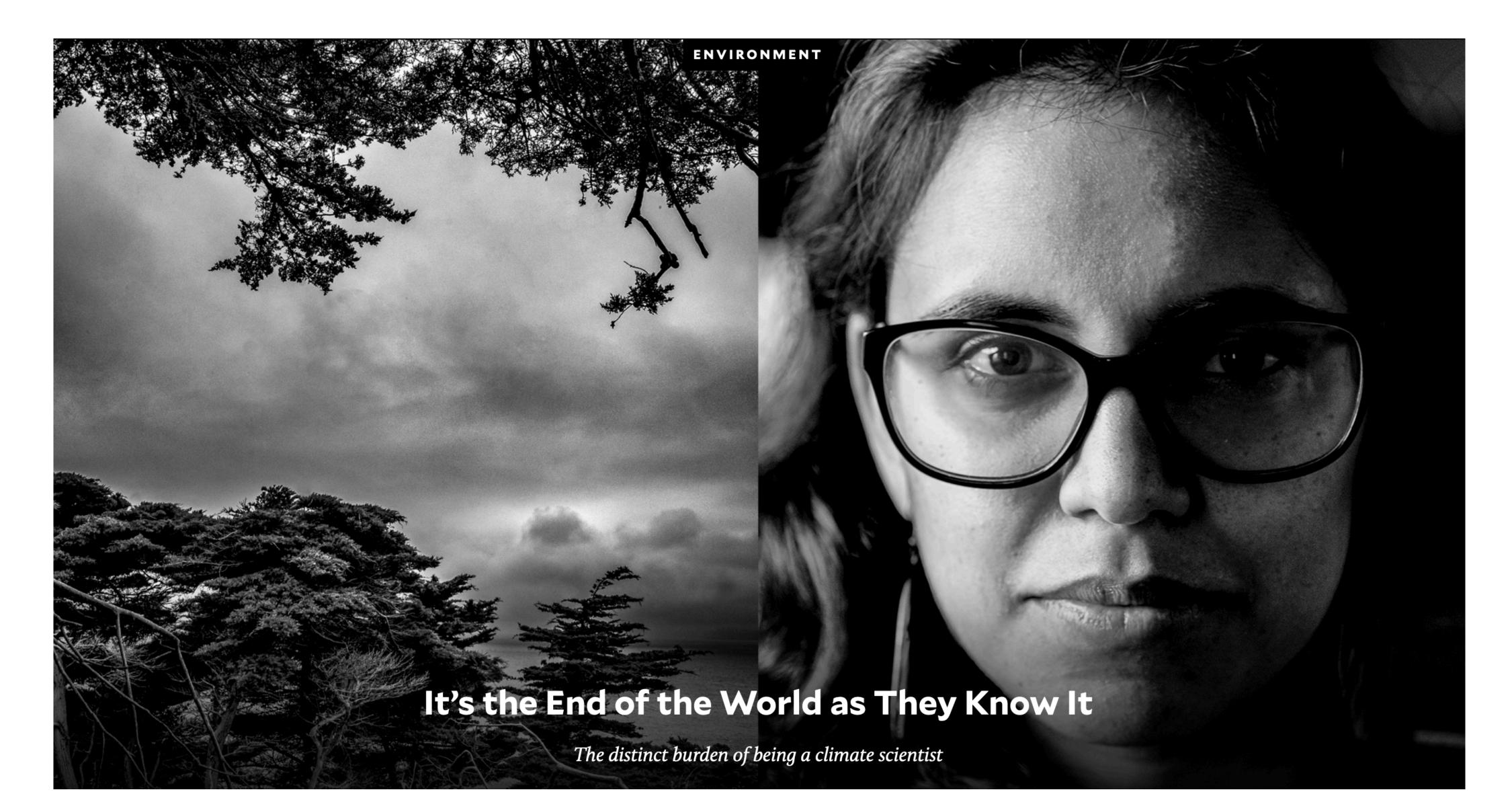
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Greta Thunberg



The impact of climate change on youth depression and mental health

oa OPEN ACCESS

Youth depression is a major risk factor for suicide, and a leading cause of disability worldwide, 1-3 hence its impact is both devastating and substantial. Although researchers have suggested several potential causal factors that contribute to the development of youth depression including genetic loading, low socioeconomic status, and adverse life events,² the impact of climate change remains relatively unexplored. In the past three decades, global annual surface temperatures have increased by approximately 0.2°C per decade, giving rise to concerns for planetary and environmental human health.4 Furthermore, global scale specific humidity, defined as the ratio of water vapour mass of moist air taken with respect to the total mass of the system, has increased in response to rising temperatures.⁵ These planetary changes are believed to be anthropogenic in origin, and are anticipated to increase in extreme precipitation, tropical cyclones, and heat stress events.⁵ In this Comment, we highlight the potential value of considering climatological variables in the assessment of young people with mental illness.

One position advanced in the literature is that climate change causes extreme heat events, intensification of storms, flooding, and coastal erosion, all of which might disrupt the societal and economic structures that underpin mental health.⁶ Within this framework, individuals in the developing world would be most vulnerable to these direct environmental effects. For example, climate change might alter the quality of soil, preventing agricultural practices that would otherwise supply populations with food.7 Ongoing climate change could directly result in the degradation of the physical environment, negatively impact food yields and freshwater supplies, leading to the displacement of populations, and eventual loss of livelihoods.7 Therefore, climate change, and its ensuing negative impact on the physical environment could these factors could, in turn, serve as independent risks for the development of youth depression in young people living in developing nations.

might be at a disproportionately increased risk for worsening symptoms in the face of changing climate. 8,9

Climate change exposes pre-existing psychological vulnerabilities. Individuals with a pre-existing resilience deficit might fail to prepare adequately for extreme events due to the changing climate.¹⁰ By contrast, individuals and communities who are prepared for natural disasters associated with changing climate might experience less collective distress.¹⁰ Therefore, young individuals are believed to be at greater vulnerability to the negative effects of climate change by virtue of their developing coping capacity.

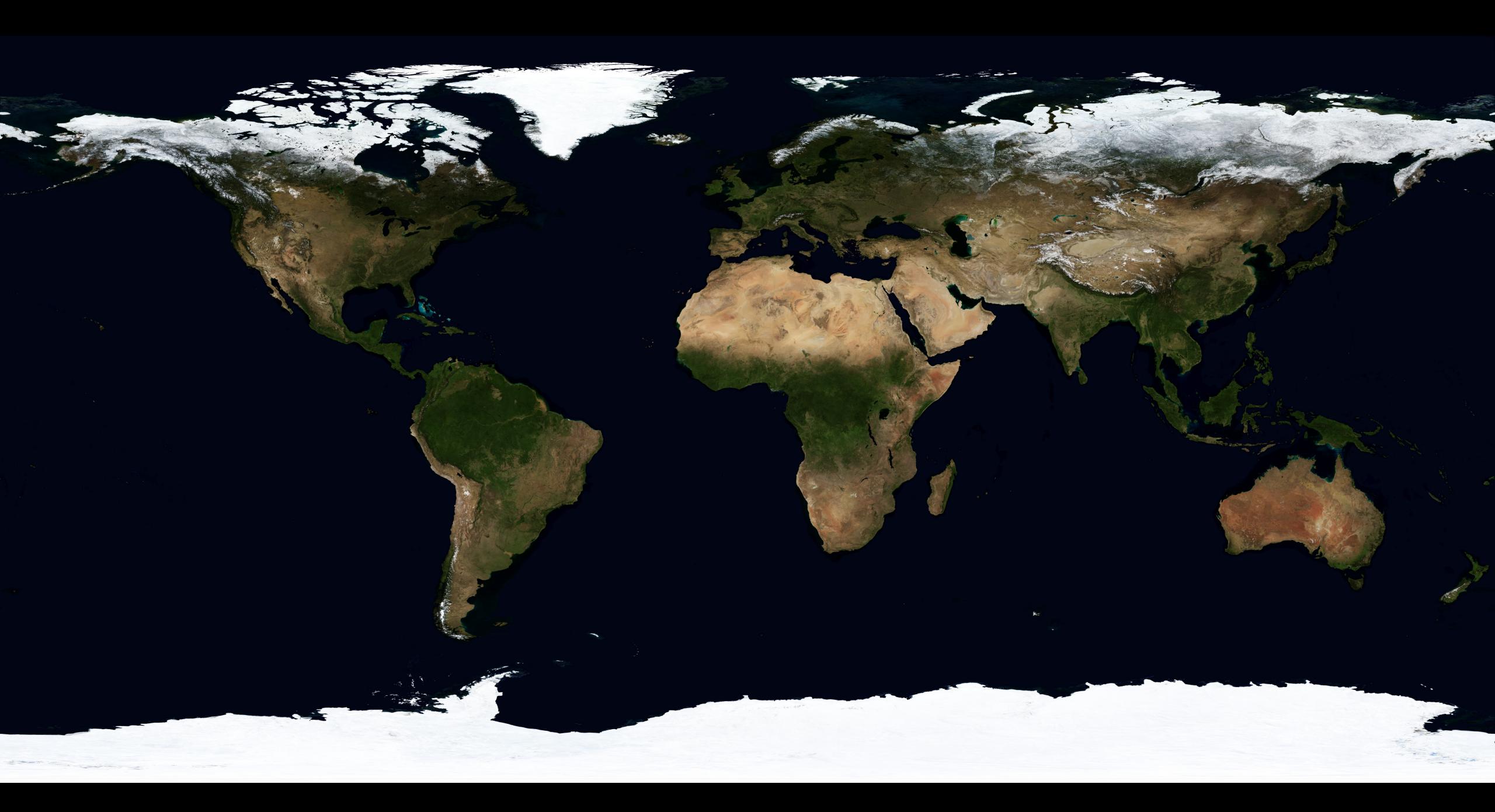
Although few studies evaluating the impact of

climate on mental health exist, some suggest that rising temperature might negatively impact mental health. To date, much of the literature has focused on adult mental health. For example, rising temperature and humidity are associated with increases in emergency department visits for mental health concerns.11 One study showed a positive correlation between emergency department visits and mean surface temperatures.11 Increased rates of emergency department visits occurred during summer months and the rate of mental health concerns increased between 5–10% at higher temperatures (ie, 25°C as opposed to 20°C).¹¹ Furthermore, researchers have proposed an association between humidity and temperature with mental health outcomes. 12,13 Increasing temperature and vapour pressure were associated with a significant increase of high distress.¹² Humidity modulates the effect of temperature on distress.¹² In high temperatures, humidity augmented distress, whereas in low temperatures, humidity mitigated distress.¹² Additionally, only a few studies have endeavoured to evaluate the effects of climate on mental health specifically in youth. For example, a study surveyed Nicaraguan adolescents after Hurricane Mitch in 1998, and its findings revealed severe levels of both post-traumatic stress and depressive reactions.¹⁴ exacerbate poverty, malnutrition, and disease. Each of These results extend the work conducted by Norris and colleagues,9 who showed that, by contrast with adults, young individuals were both more susceptible to environmental-related trauma and more likely to Young individuals with depression and anxiety become depressed if their family members were injured. Taken together, these studies highlight the unique vulnerabilities and comorbidities of adolescents who

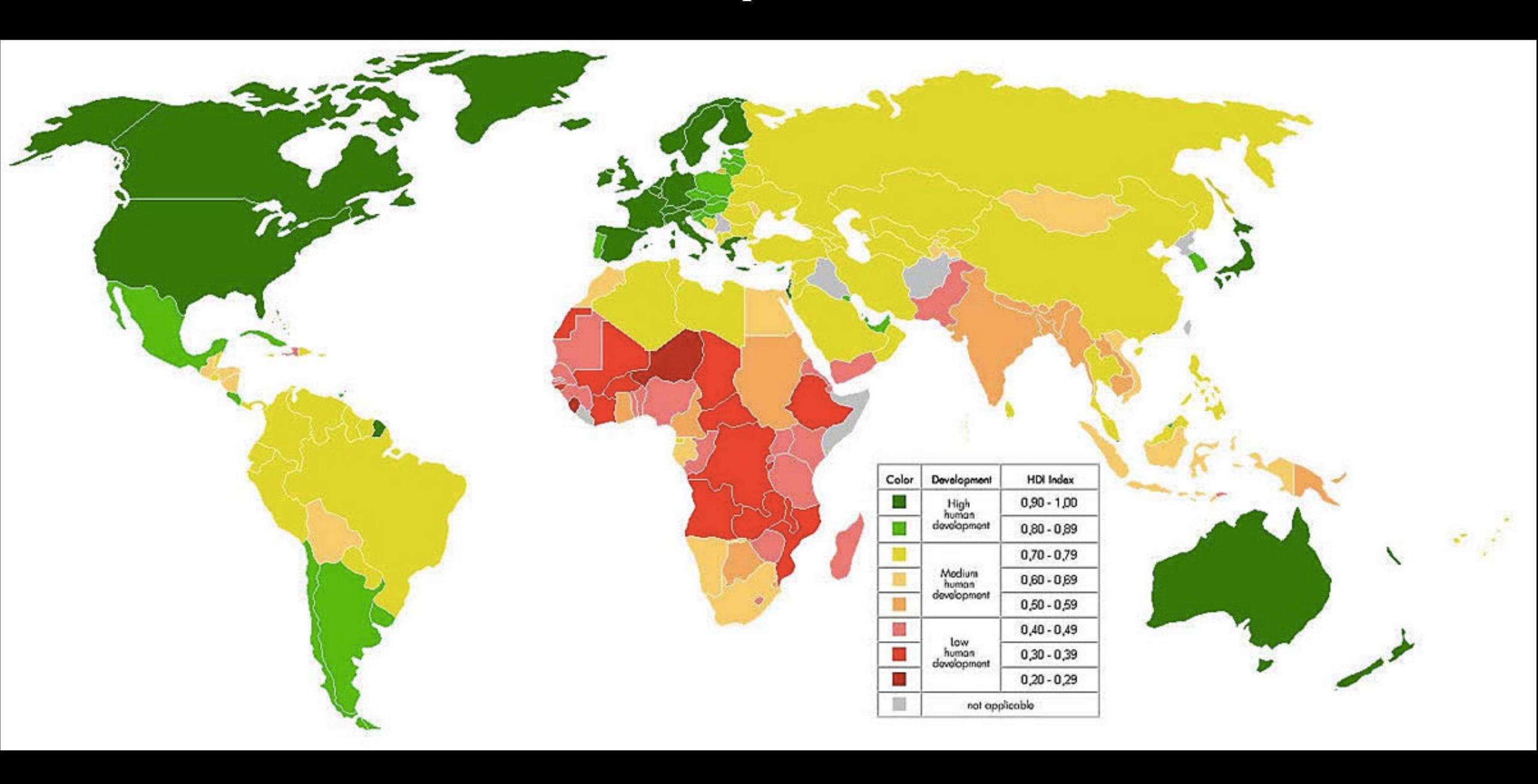






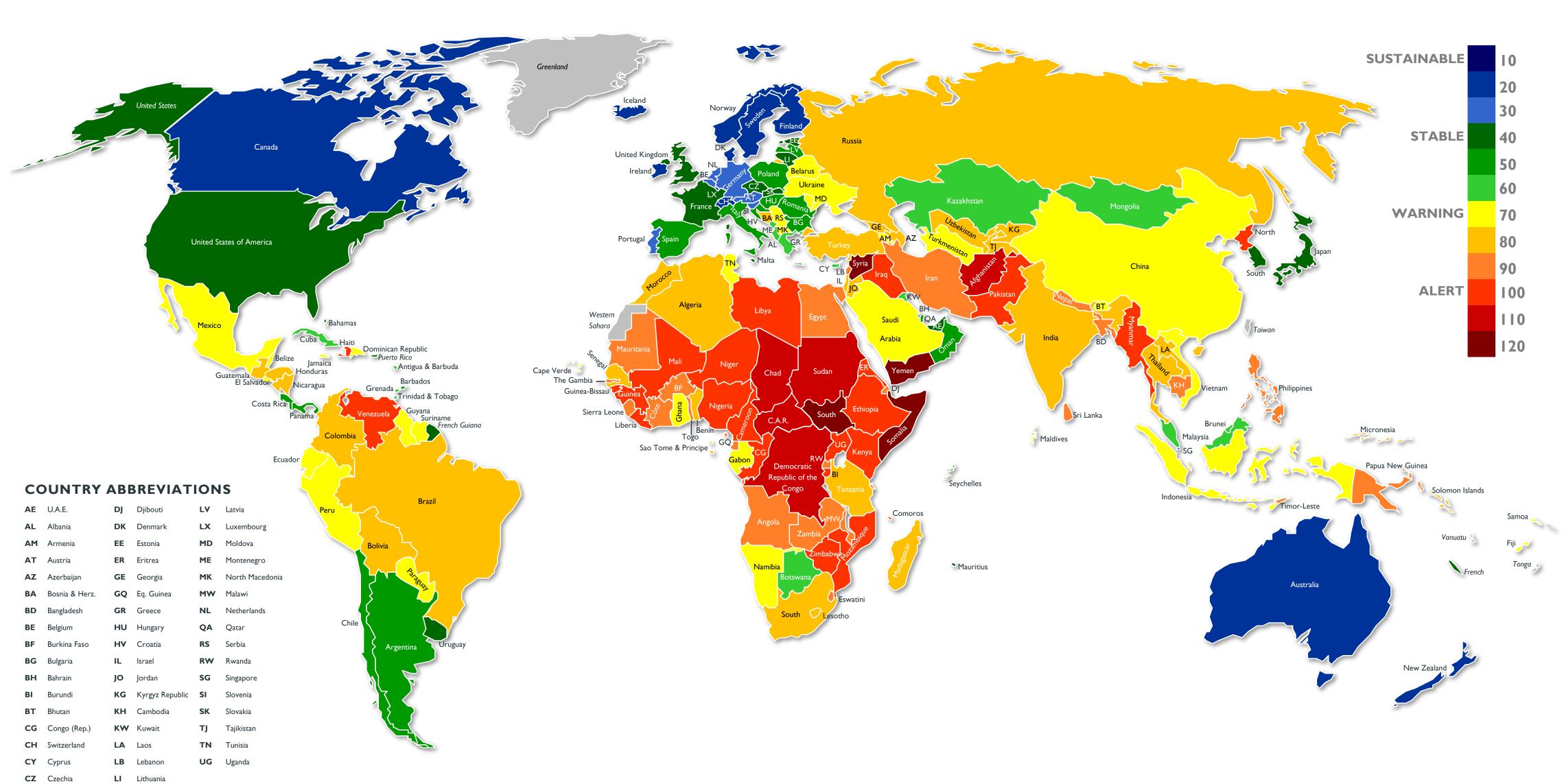


Human Development Index, 2004

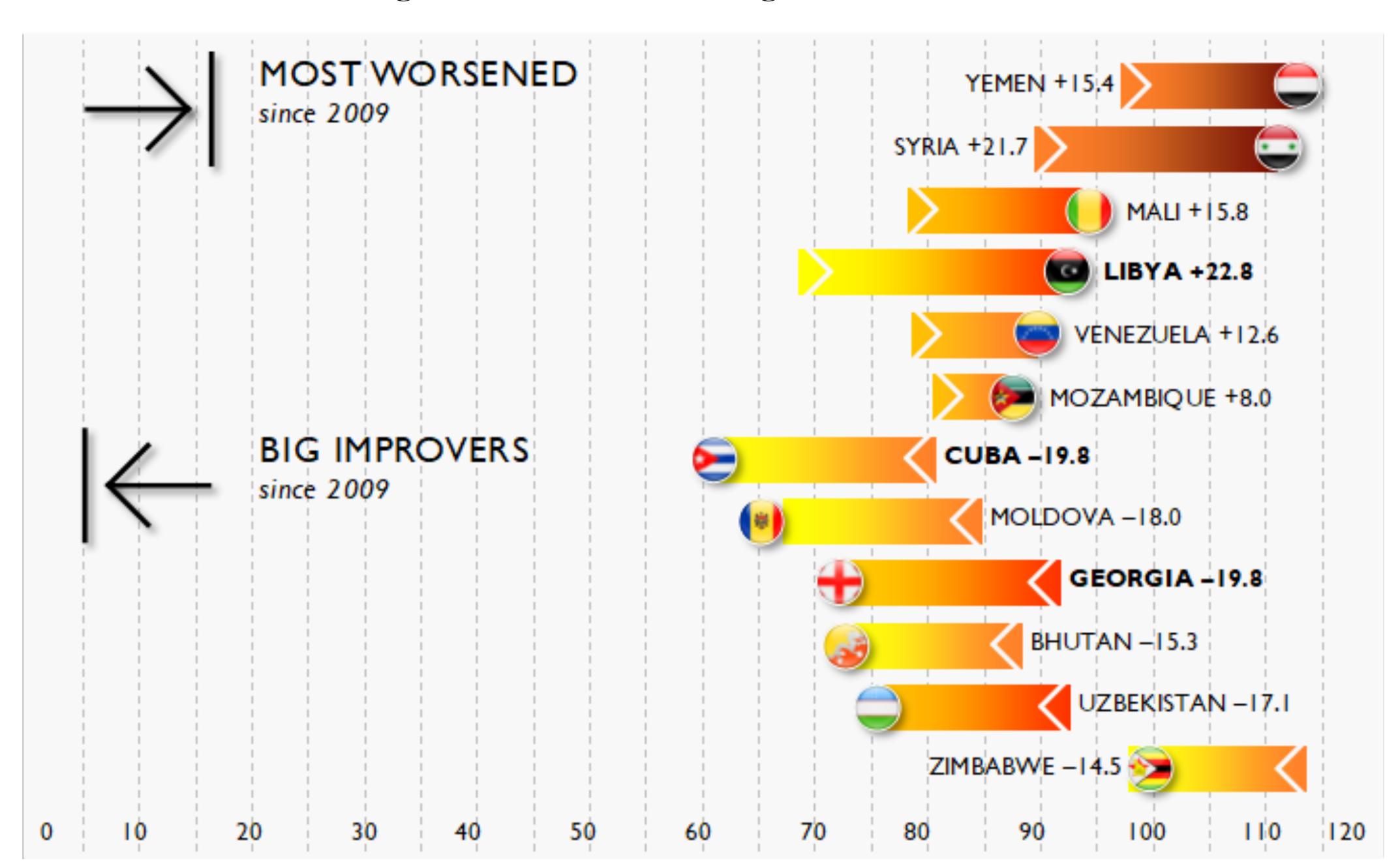


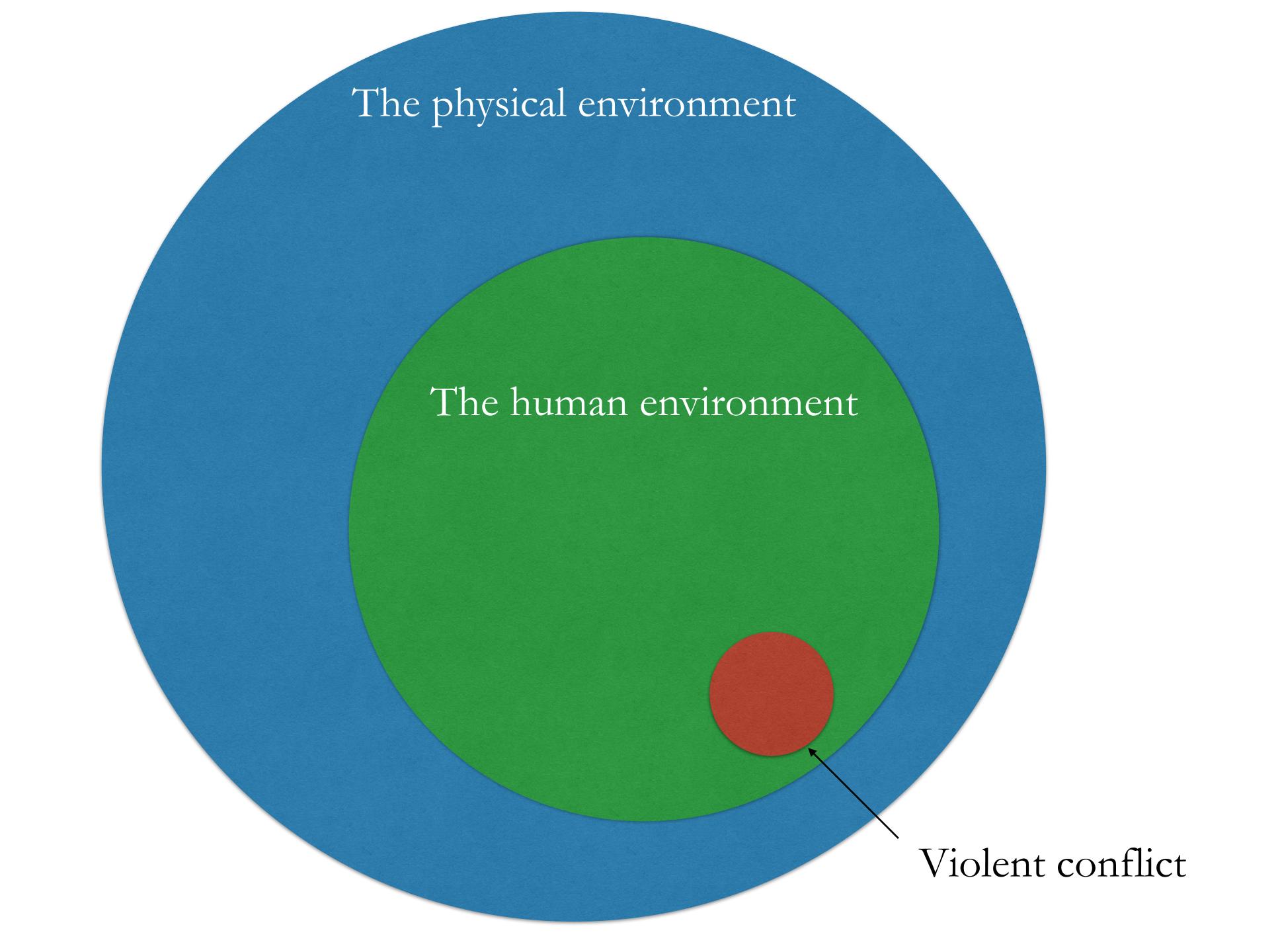


THE WORLD IN 2020



Fragile States Index change, 2009-2019

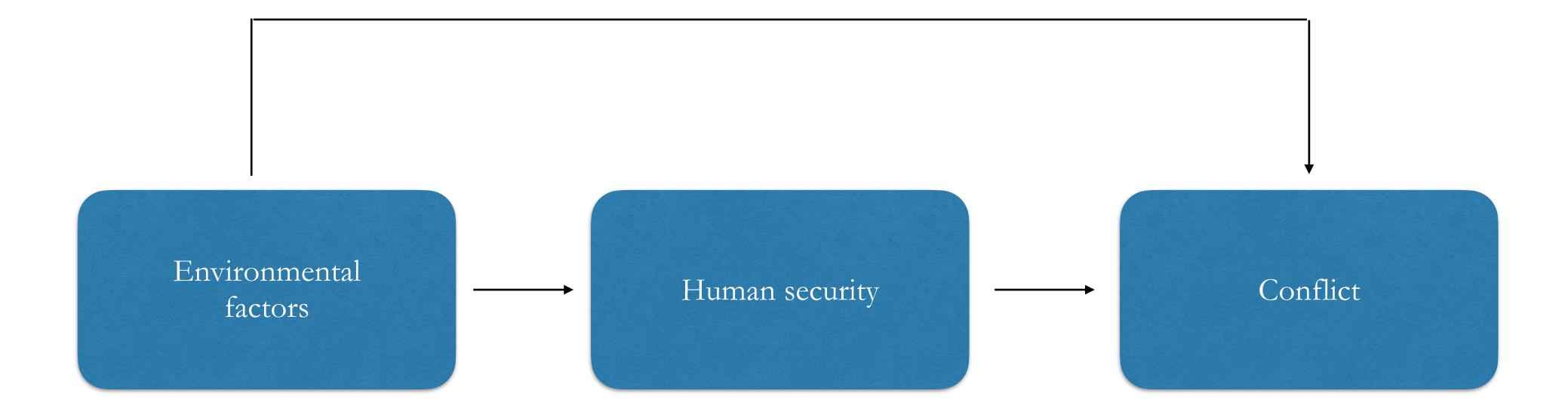






This class' main questions:

- 1. How do environmental factors shape human security?
- 2. What are the direct and indirect means by which environmental phenomena affect violent political conflicts?



Environment

- Geographic features
- Extractable and useful natural resources
- Climate events
- Changes in the three factors above

Human security

"The condition where people and communities have the capacity to manage stresses to their needs, rights, and values,"

(Barnett & Adger 2007: 640)

Conflict

- 1. "We must define war in terms of violence. Not only is war impossible without violence (except of course in the metaphorical sense), but we consider the taking of human life the primary and dominant characteristic of war." (Small & Singer 1982: 205-206)
- 2. A threshold of battle-related fatalities of troops in combat
- 3. The status of war participants

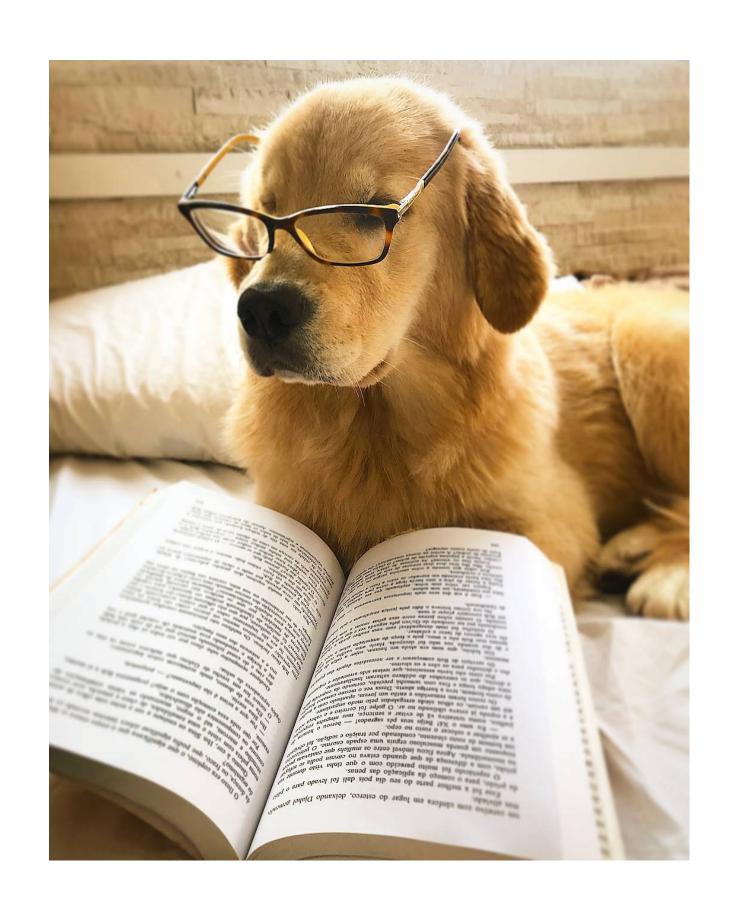
The four goals of political science research

Description

Explanation

Prediction

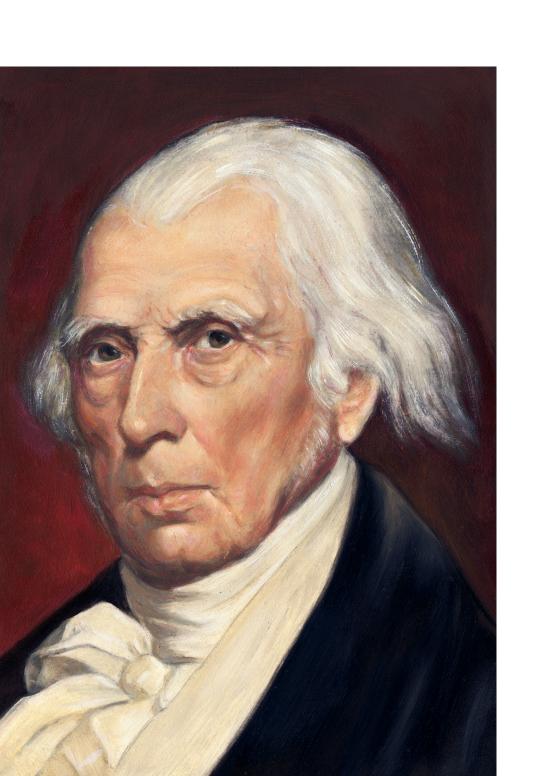
Policy



"Nothing can be more fallacious than to found our political calculations on arithmetical principles."



(http://www.constitution.org/fed/federa55.htm)



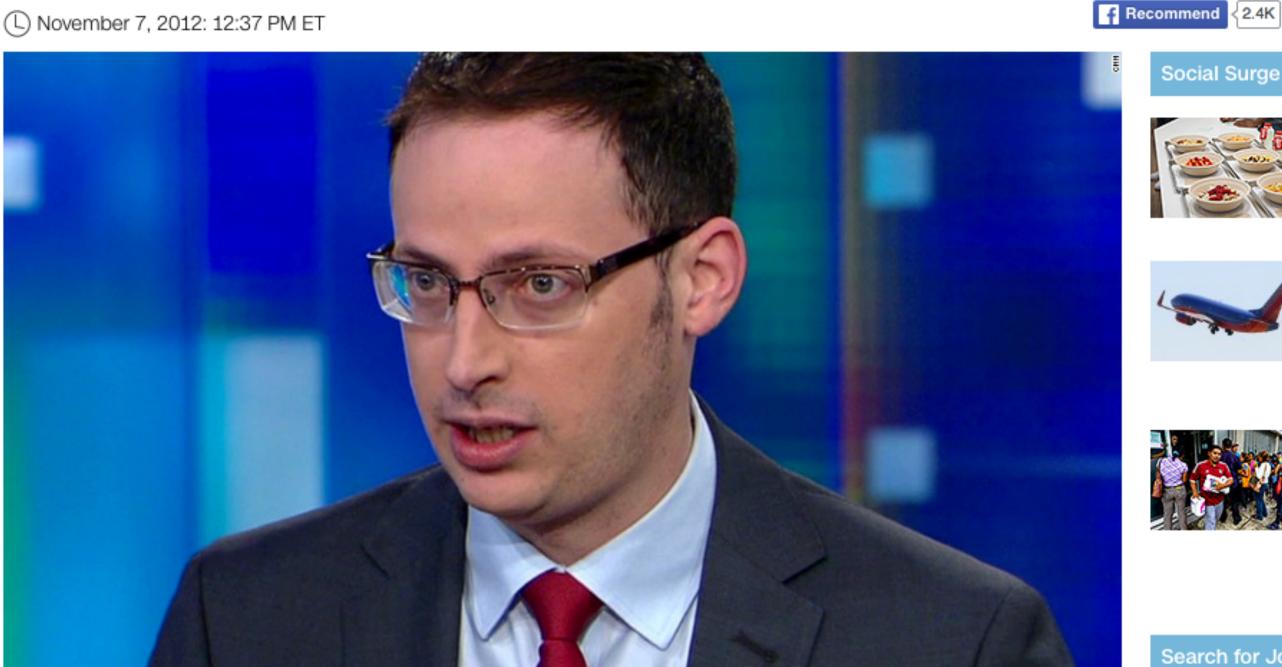


America's Choice 2012

Nate Silver gets a big boost from the election

by Chris Isidore @CNNMoney

November 7, 2012: 12:37 PM ET



Fivethirtyeight.com's Nate Silver was a big winner on election night.

Across the media and twittersphere Tuesday night, Nate Silver was a clear winner in the 2012 presidential election. The polling data guru, who runs the fivethirtyeight.com blog for the New York Times, saw sales of his book spike as a result.

Partner Offers

Search for Jol

Social Surge

The Sudden, Shocking Fall of Nate Silver

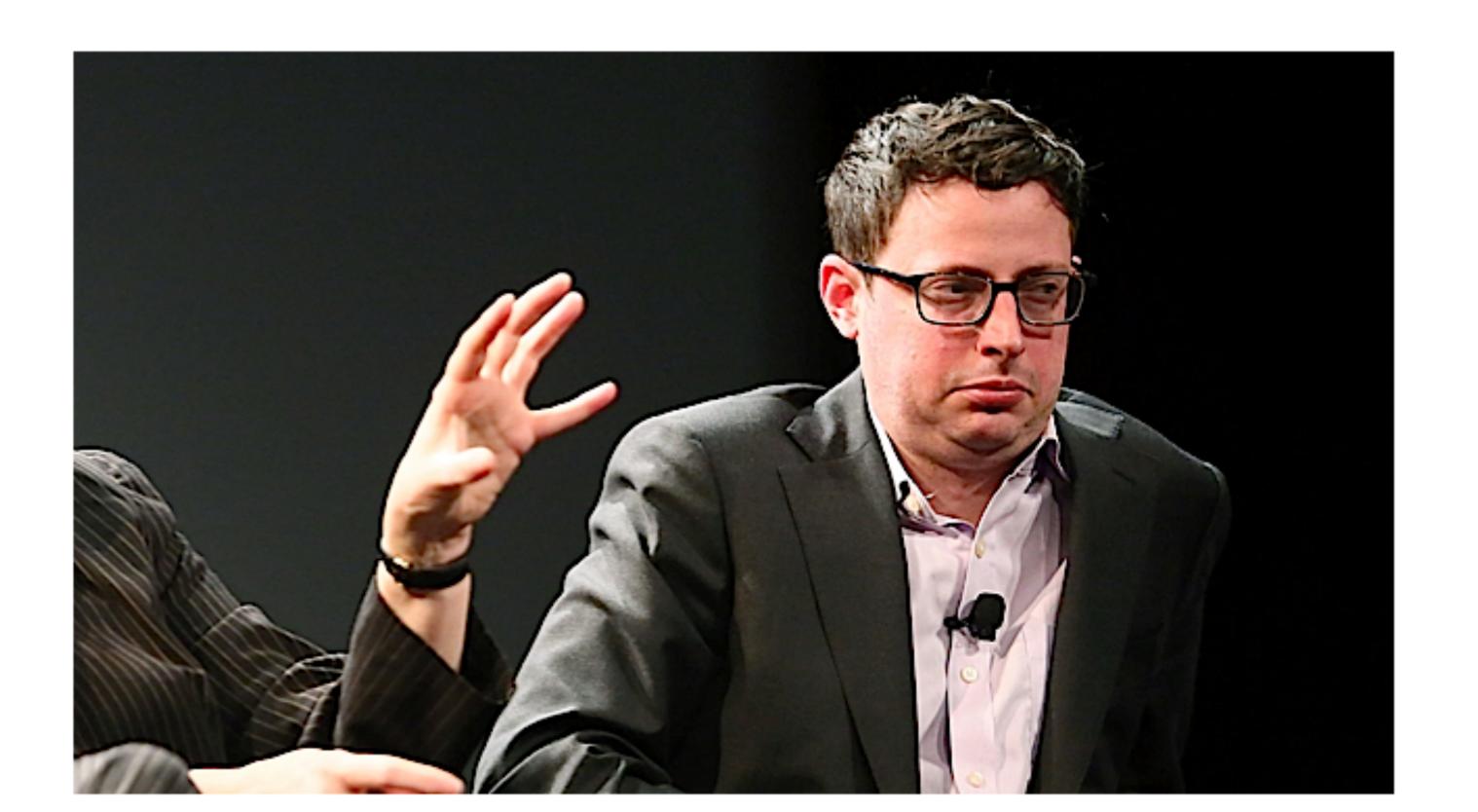
By Jason Rhode | July 13, 2016 | 9:59am Photo by Astrid Stawiarz/Getty

POLITICS | FEATURES









Political Scientists Are Lousy Forecasters

By JACQUELINE STEVENS JUNE 23, 2012





NassimNicholasTaleb @nntaleb

A remark: Jay Ulfedler's @dtchimp "mathematical model" to predict exudes, smells, reeks, of being it.

Jay Ulfelder @dtchimp

Turkey Was an Unlikely Victim of an Equally Unlikely Coup nyti.ms/ 29MWhSz With thoughts from @brianklaas, @naunihalpublic, & me.

17/07/2016 10:32 PM

25 RETWEETS 61 LIKES



Today

I. Introduction II. Course overview III. Conflict

Course outline

Section 1: Defining terms,
actors, and interests

Section 2: Causes

Wk 1: Intro, course overview, and conflict

Wk 5: Population

Wk 2: Economic development and instability

Wk 3: Political institutions

Wk 6: Migration

Wk 7: Food

Wk 8: Water

Wk 9: Natural resources

Wk 4: Environmental change and scarcity

and instability

Wk 10: Natural disasters

Section 3: Responses

Wk 11: Domestic responses

Wk 12: International cooperation

Assessment summary

- Workshop participation (10%)
- Wednesday of Week 6 by 3pm—Mid-term literature review (30%), 1,500 words
- Wednesday of Week 9 by 3pm—Essay proposal (10%), ~500 words
- Monday 4 November by 3pm—Final essay (50%), ~2,500 words

How to read quantitative articles

- Look for theoretical contribution and substantive empirical effects
- These authors often follow the kind of structure that I recommend you take in your qualitative final essay:
 - Introduction
 - Literature review
 - Argument, theory, hypotheses
 - Research design
 - Discussion of results
 - Robustness checks
 - Conclusions, policy implications, areas for future research



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Lecturer & HDR co-convenor

ANU College of Arts and Social Sciences

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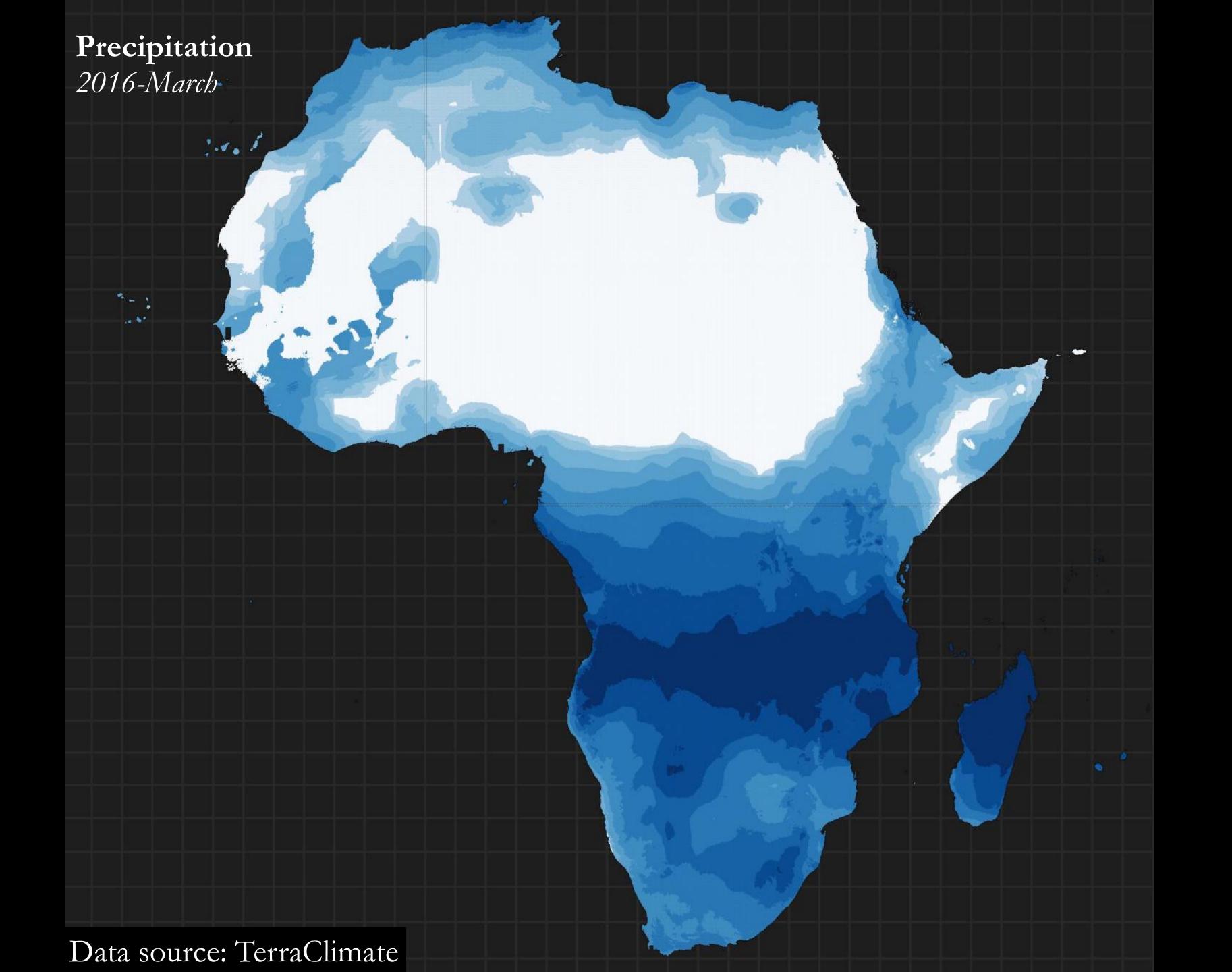
Jump to: Biography | Publications | Projects and Grants | Related websites

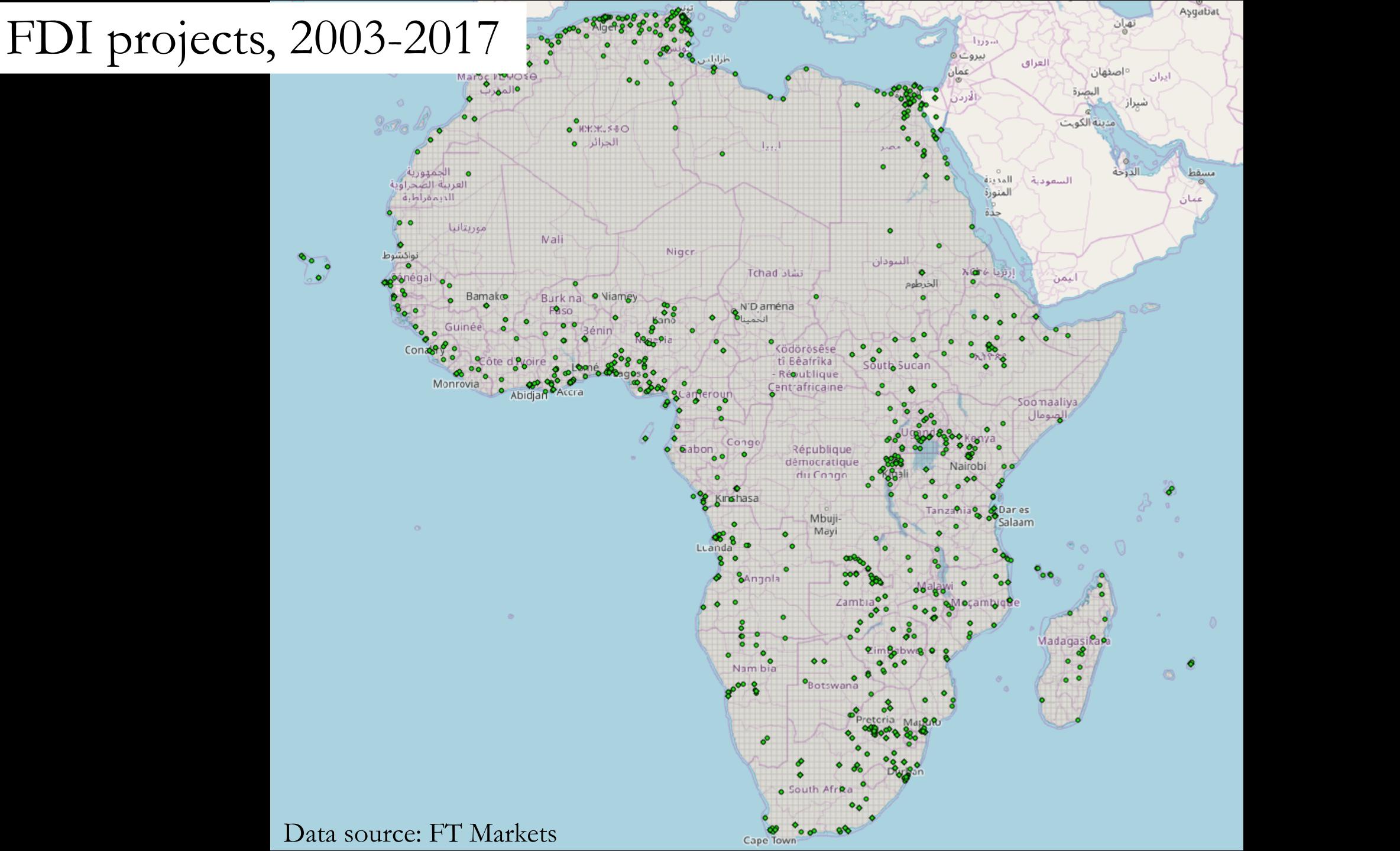
Areas of expertise

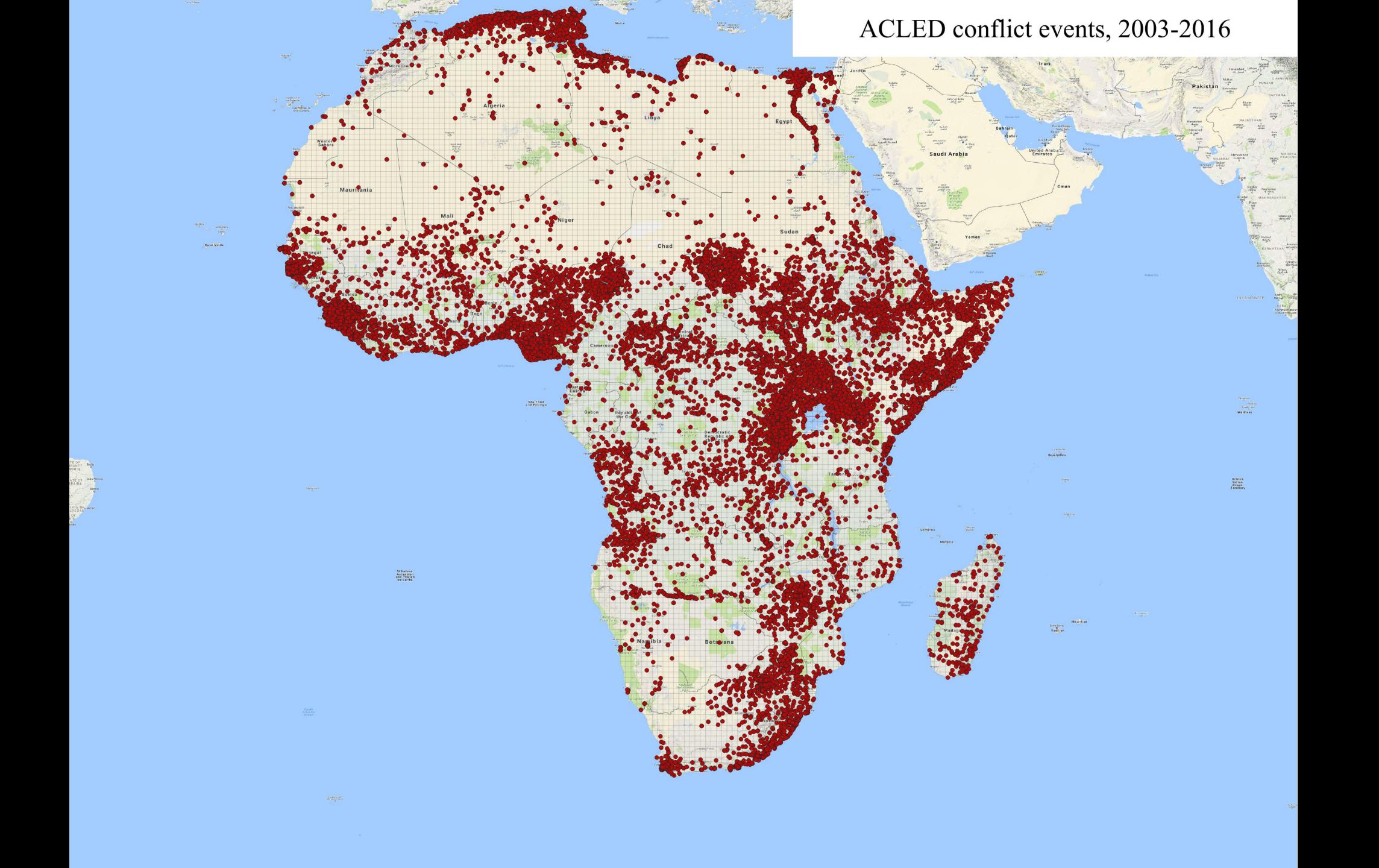
- Political Science
- International Relations
- Comparative Government And Politics

Research interests

Civil conflict, election violence, human trafficking, electoral integrity, and peace studies











A military court in Democratic Republic of MAP: Congo, Congo has acquitted three former employees of Australian mining company Anvil Mining Ltd of complicity in war crimes by government soldiers in 2004.

"All of those accused of war crimes, including the former Anvil mining agents have been acquitted," the military tribunal's president, Colonel Joseph Mokako, said.

"The charges of war crimes were found to have been unfounded."

Canadian Pierre Mercier and South Africans Peter Van Niekerk and Cedric Kirsten had been accused of wilfully offering logistical assistance to Congolese soldiers during a shortlived armed uprising in the mineral-rich Katanga province.

A UN human rights investigation found that scores of civilians were massacred in the town of Kilwa, near the south-eastern border with Zambia, when government forces launched a counterattack to retake the town after it had been seized by a group of 10 ill-equipped rebels in October 2004.

Anvil runs a nearby silver and copper mine and the company's trucks and planes were used by the army during the operation.

Anvil said its vehicles were requisitioned by the military and it had no choice but to hand them over.

All nine Congolese soldiers also on trial before the military tribunal were acquitted of war crimes.

However two officers received life in prison for the killing of civilians, and two other soldiers received shorter sentences for lesser crimes.

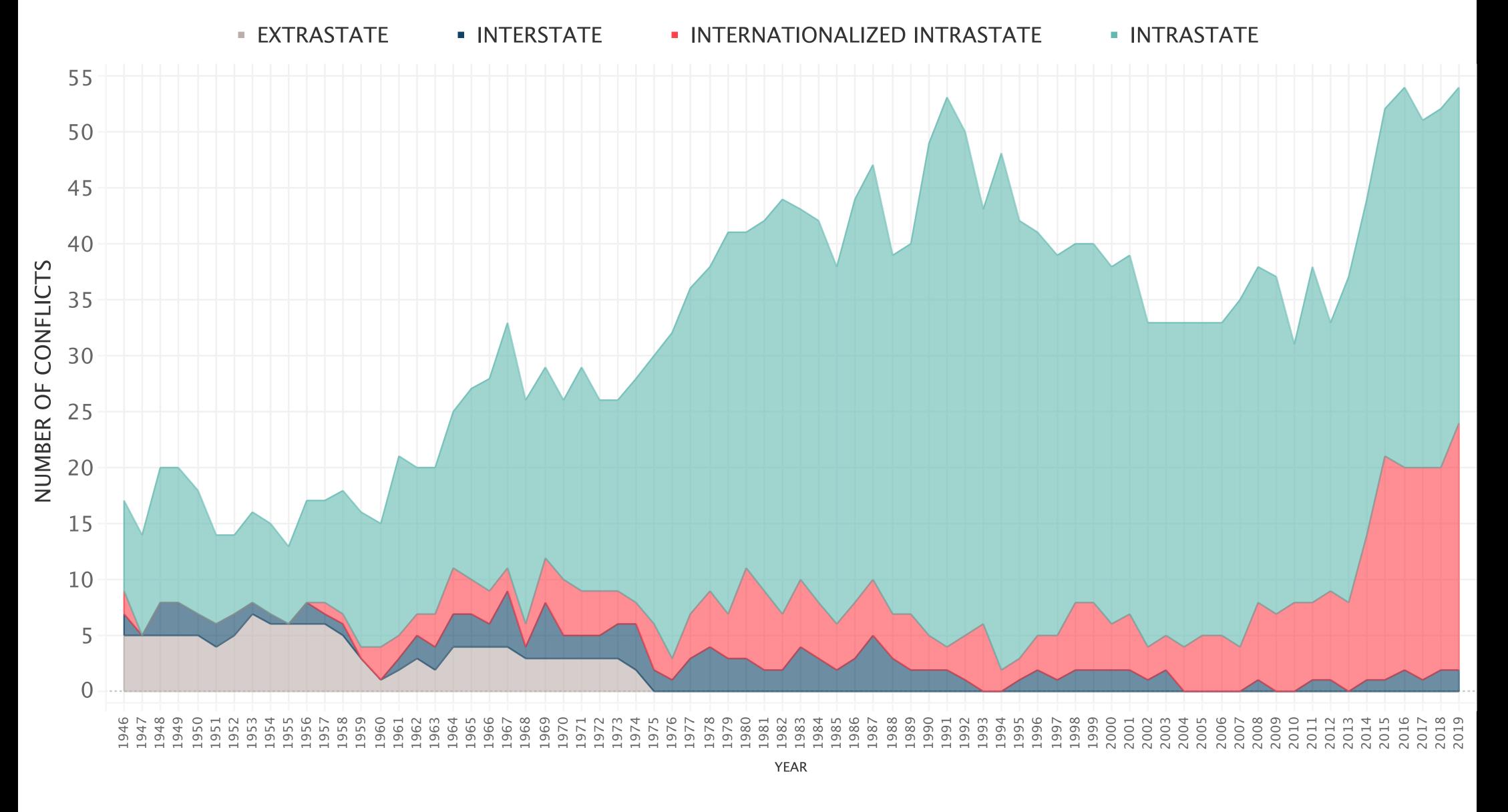
Topics: courts-and-trials, mining-industry, law-crime-and-justice, international-law, unrest-conflict-and-war, congo-the-democratic-republic-of-the



Fundamental questions about conflict

- Why do states and non-state actors use violence?
- Why do individuals chose violence?

ARMED CONFLICT BY TYPE, 1946-2019

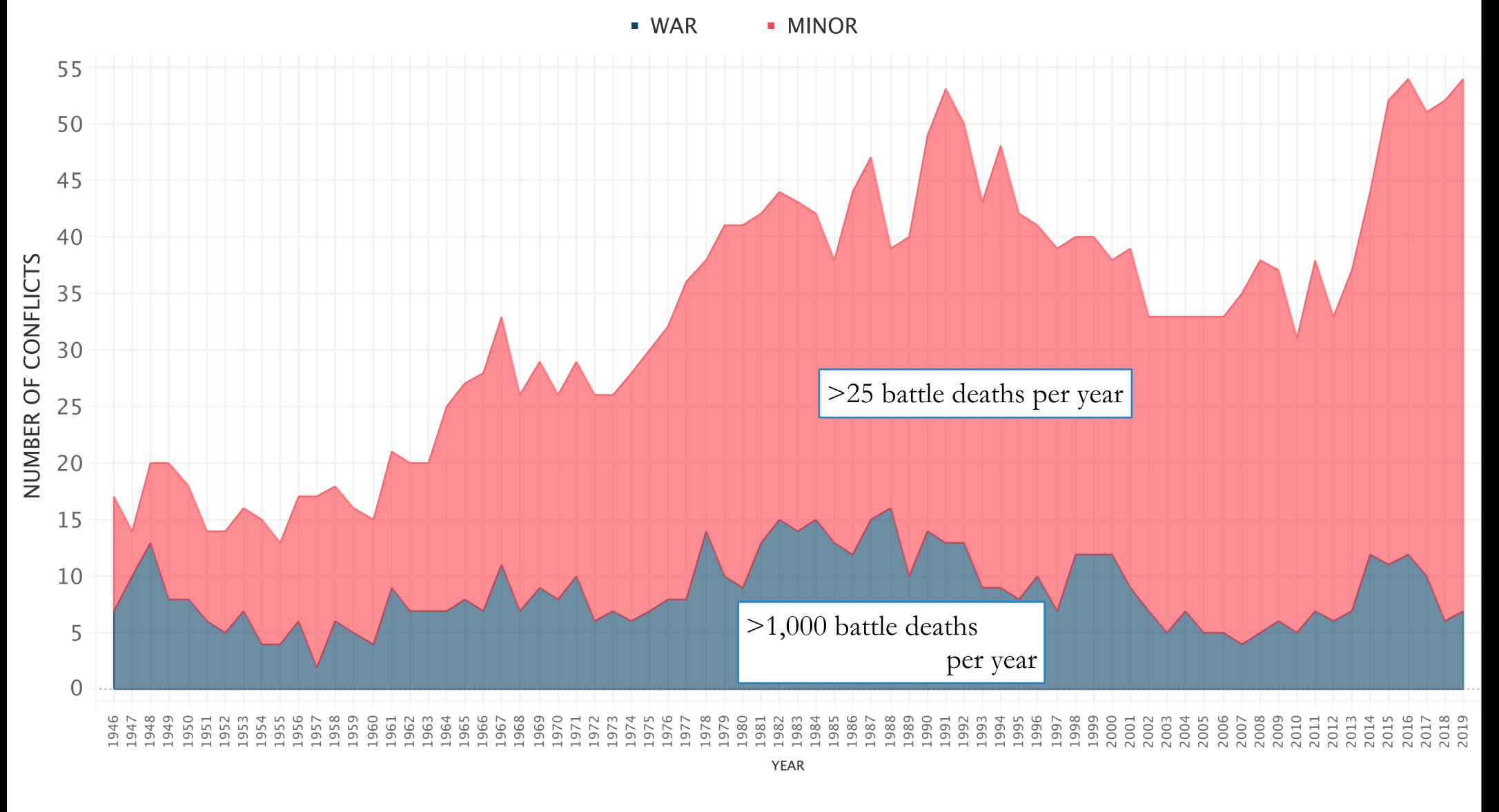


Journal of Economic Literature, Vol. XLVIII (March 2010)



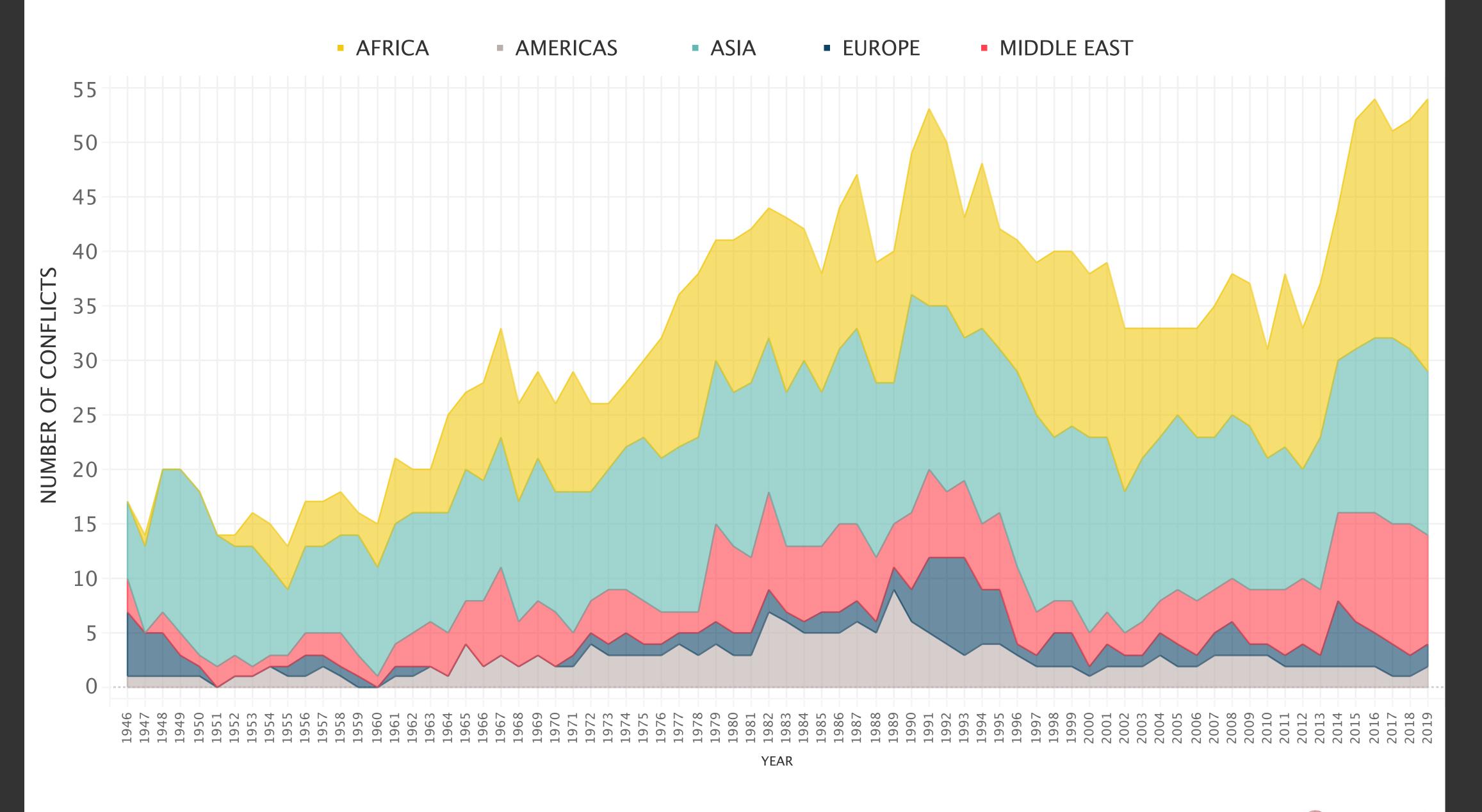
Figure 2: Proportion of Countries with an Active Civil War or Civil Conflict, 1960–2006

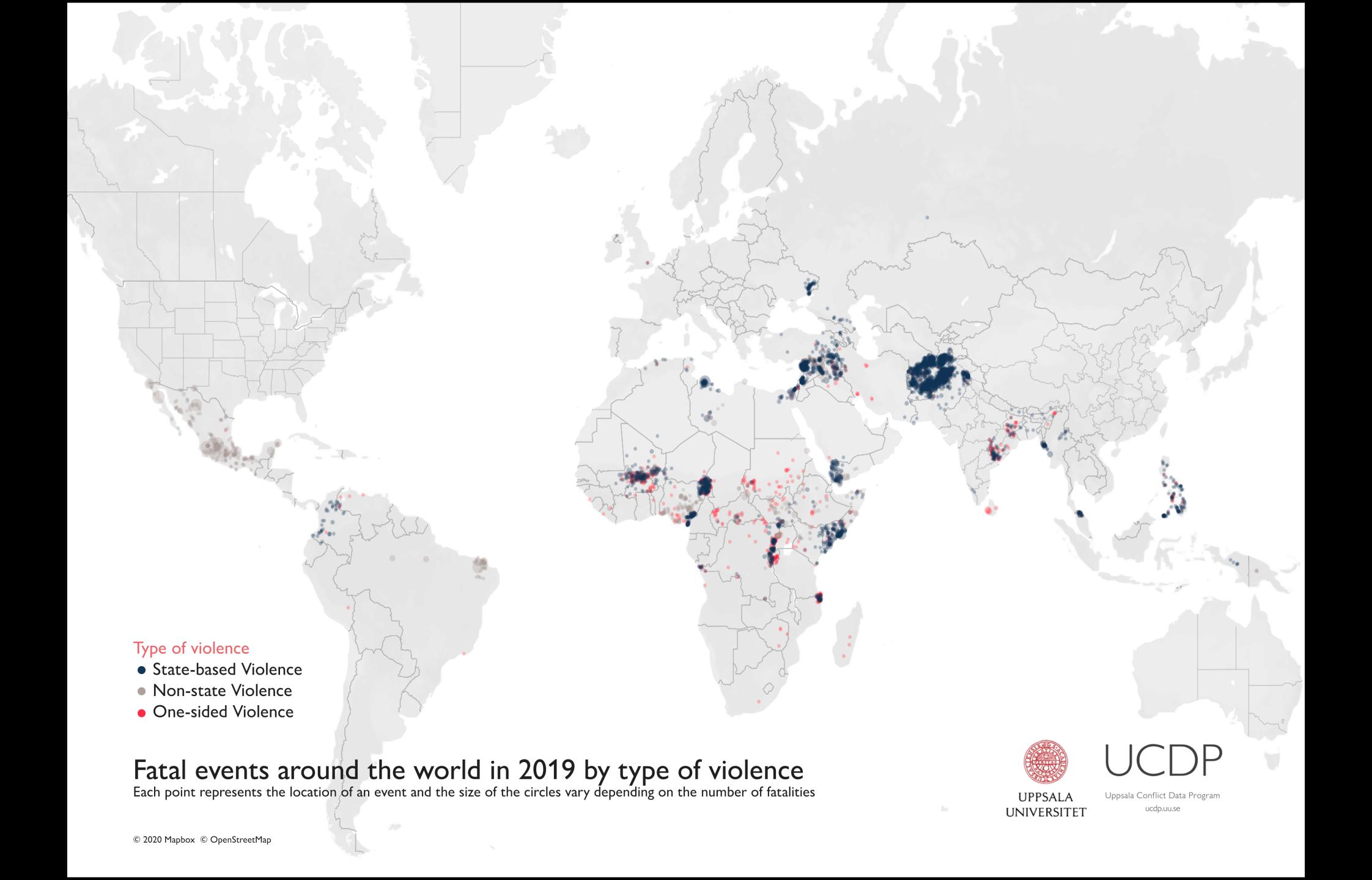
ARMED CONFLICT BY INTENSITY, 1946-2019

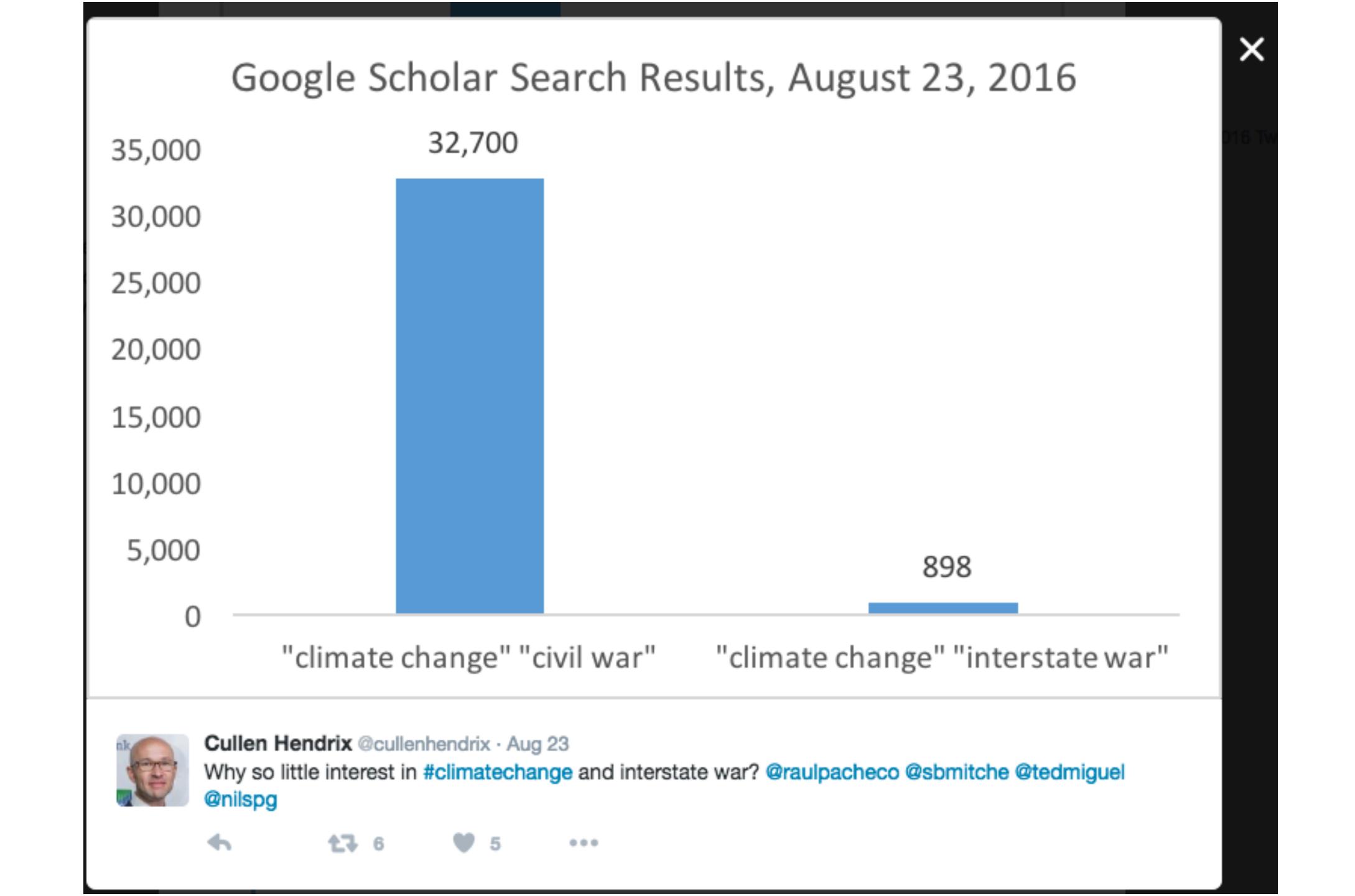




ARMED CONFLICT BY REGION, 1946-2019







Barnett and Adger (2007: 643)

Table 1 The relationship between determinants of human insecurity, violent conflict and climate change		
Factors affecting violent conflict	Processes which climate change could affect/exacerbate	
Vulnerable livelihoods	Climate change is likely to cause widespread impacts on water availability, coastal regions, agriculture, extreme events and diseases. The impacts on livelihoods will be more significant in sectors of the population with high resource-dependency, and in more environmentally and socially marginalised areas. Some of these climate driven outcomes are long term and chronic (such as declining productivity of agricultural land), while others are episodic (such as floods). These impacts on livelihoods will be widespread both in developing and developed countries.	
Poverty (relative/chronic/transitory)	Poverty (and particularly relative deprivation) is affected by the spatial differentiation of climate impacts and the sensitivity of places to them. Climate change may directly increase absolute, relative, and transient poverty by undermining access to natural capital. It may indirectly increase poverty through its effects on resource sectors and the ability of governments to provide social safety nets. Stresses from climate change will differentially affect those made vulnerable by political-economic processes such as liberalisation of markets for agricultural commodities.	
Weak states	The impacts of climate change are likely to increase the costs of providing public infrastructure such as water resources, and services such as education, and may decrease government revenues. So climate change may decrease the ability of states to create opportunities and provide important freedoms for citizens as well as decrease the capacity of government agencies to adapt and respond to climate change itself.	
Migration	Migration may be one response of people whose livelihoods are undermined by climate change. However, climate is unlikely to be the sole, or even the most important 'push' factor in migration decisions. Yet large-scale movements of people may increase the risk of conflict in host communities.	

How do we reconcile...

- The relative importance of different causes of conflict?
- Different typologies of conflict?
- Different interpretations of key variables? (Blattman and Miguel 2010: 23)

Homer Dixon, Thomas F. 1999. *Environment, Scarcity, and Violence*. Princeton: Princeton University Press: 134.

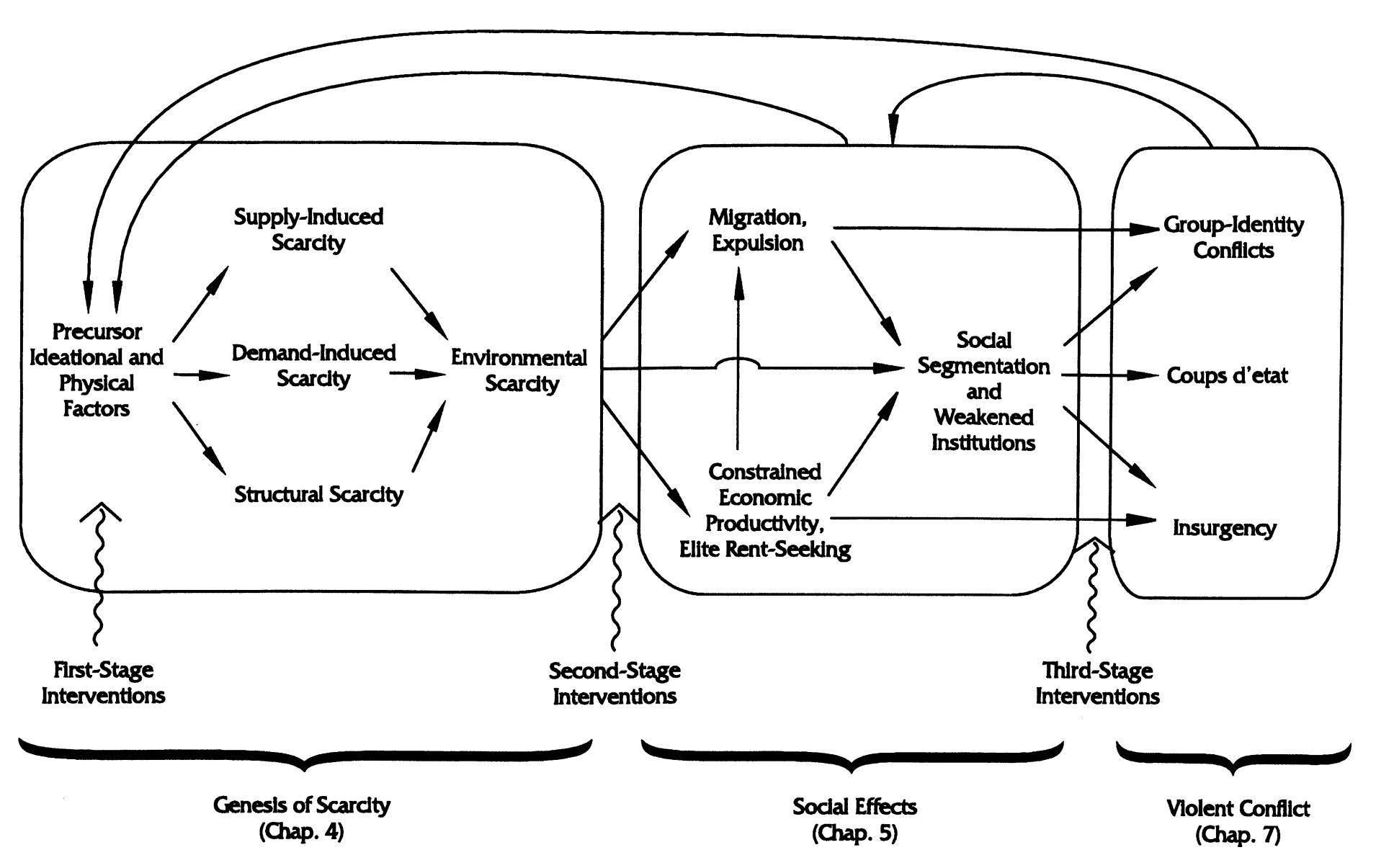


Figure 7.1. The Core Model of the Causal Links between Environmental Scarcity and Violence





P

⊥

Tweeting "open schools" is not a plan. And blackmailing schools to open

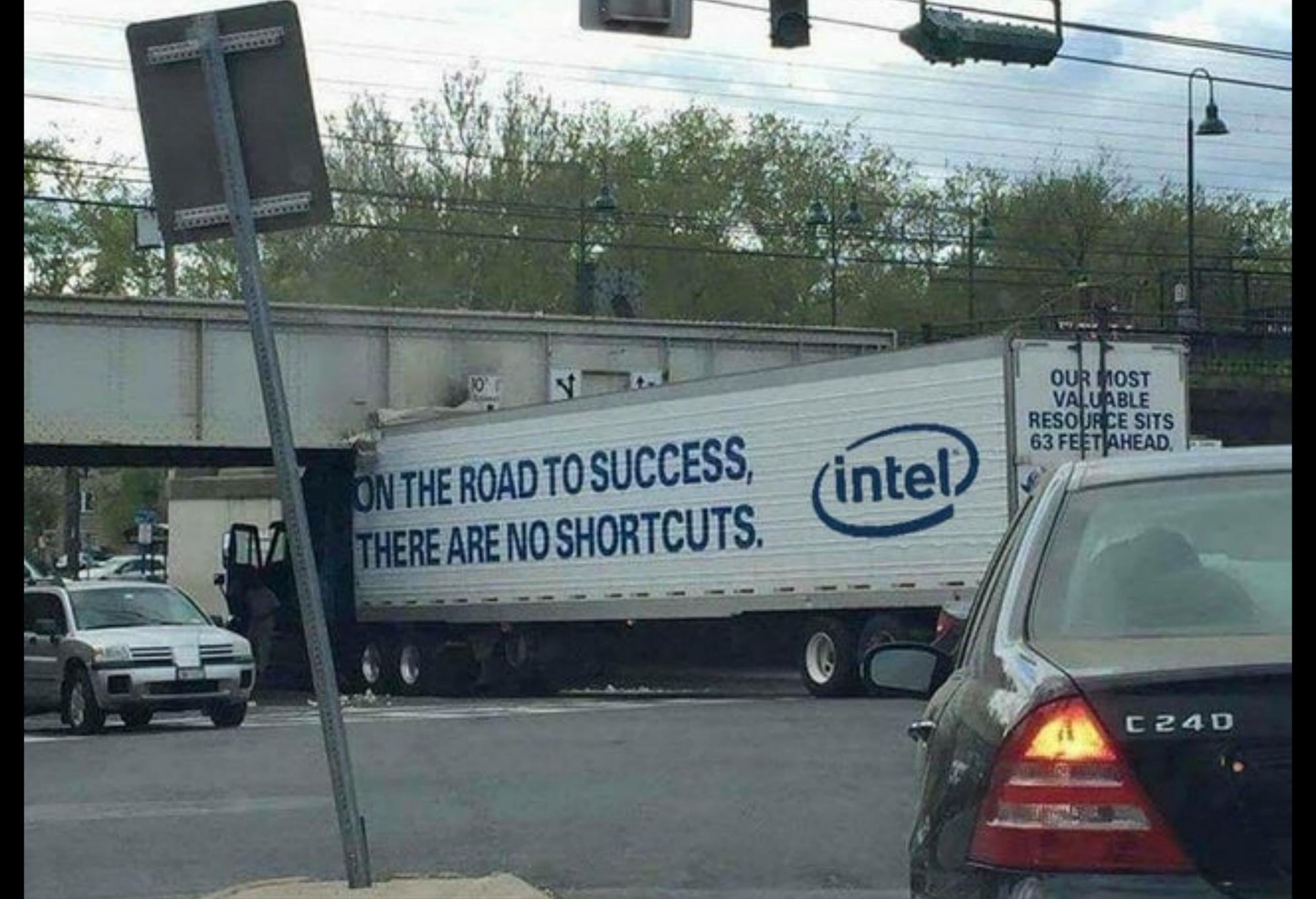
like this is a new low for you. This is pathetic.

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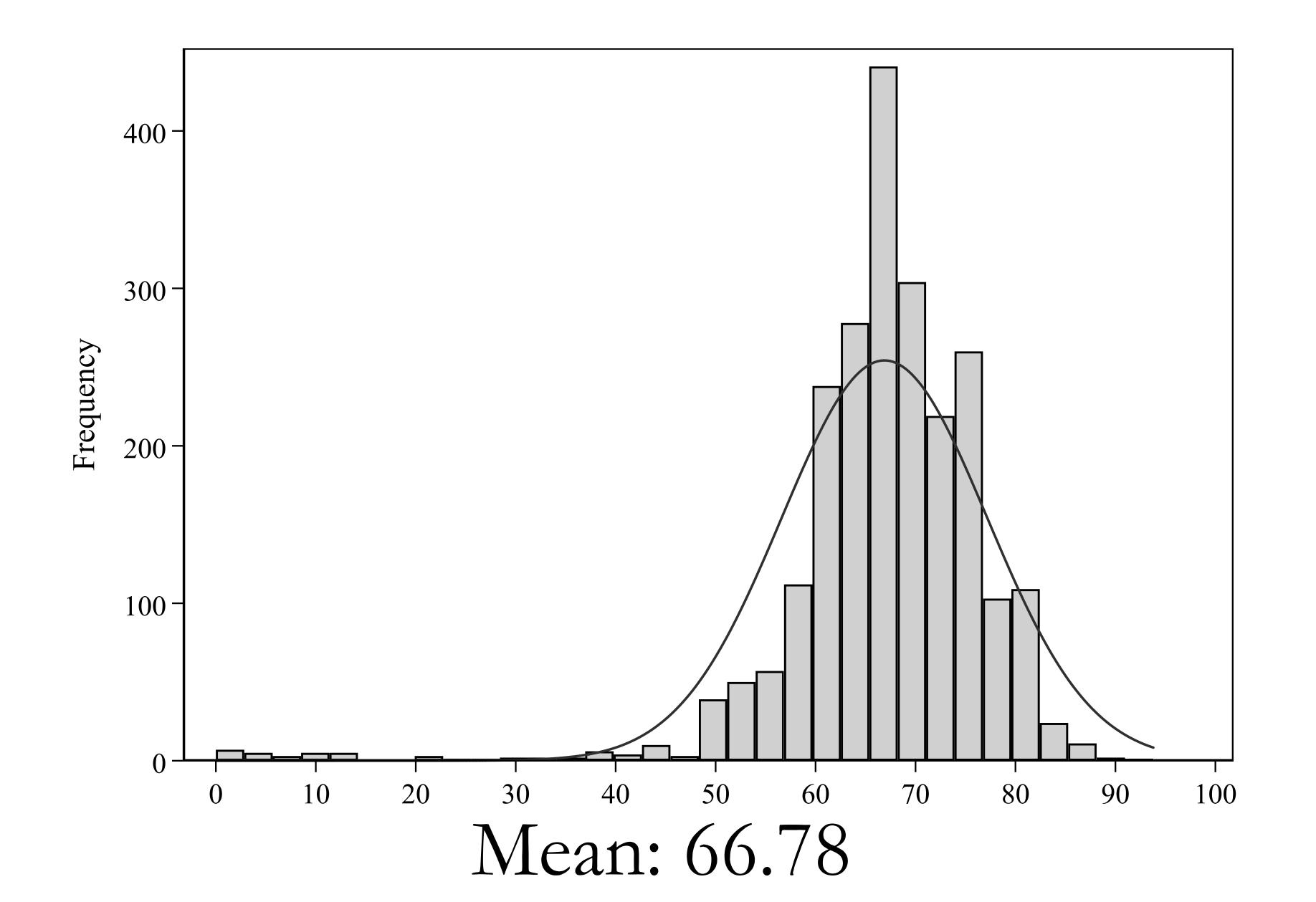
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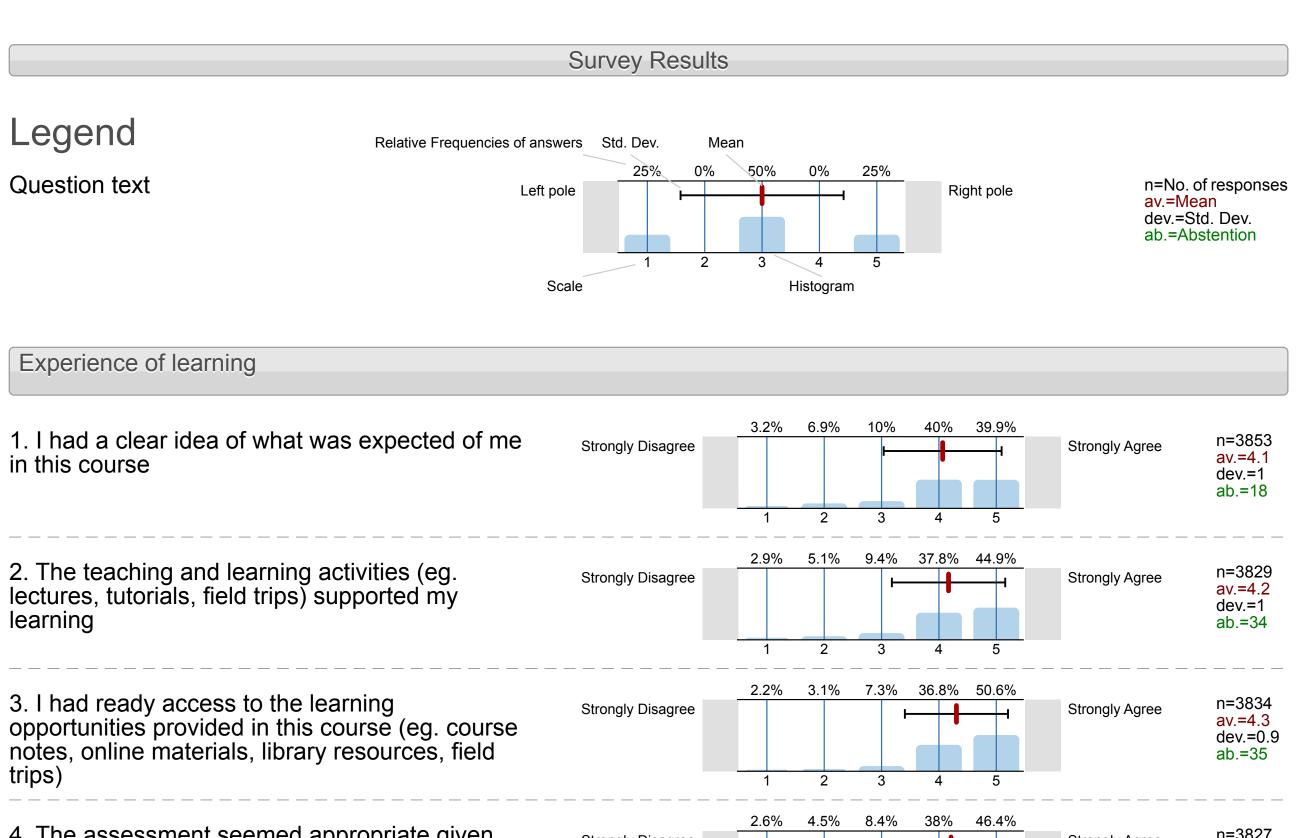
Overall grade distribution, 2,770 students, 2015-2018





CASS Courses, Learning Support, Semester 2 2018

No. of responses = 3901



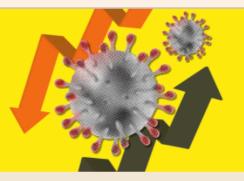


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Driving the industry effort to fight



Hiring in a pandemic is not always



Treasury and banks in talks to tackle coming wave of bad Covid



Kim Jong Un locks down border city on coronavirus outbreak fears

Coronavirus pandemic (+ Add to myFT

Remote teaching becomes vital during coronavirus outbreak

Universities and business schools are facing unprecedented challenges across the world





Empty lecture halls. A professor at University of Milano-Bicocca records his lesson to stream it online to his students © Reuters

I need two student representatives for this class.

I'll take the first two students to email me after 3pm on Wednesday.

Why are Course Representatives important?

- Most ANU courses have two elected student representatives
- You ensure students have a voice to your course convener, lecturer, tutors, and the college
- Crucial for positive communication between the university and students to enable change
- Important part of the network of student advocacy at ANU
- Benefits for you:

anusa

- ANUSA and PARSA run training to give you skills to be effective
- Learn professional skills eg. communication and negotiation

What would I need to do?

- Be available and approachable seek class feedback
- Attend meetings (at least twice each semester) with course convener and head of school
- Communicate feedback effectively from the class to the convener
- Close the feedback loop by reporting back to the class the outcomes of your meetings
- Connect to ANUSA College Representatives and Vice President, or PARSA College Reps, if you need support
 - sa.cass@anu.edu.au

anusa

- sa.vicepres@anu.edu.au
- parsa.cass@anu.edu.au
- Refer to the CASS Class Reps Guidelines on your course Wattle site

Next Steps?

- Nominate if you're interested!
- Vote in the class elections
- Training with ANUSA and PARSA in Week 3 and 4 (dates to be confirmed)
- Got questions?
 - Contact ANUSA President, Eden Lim: sa.president@anu.edu.au
 - Check out ANUSA's website for more information! https://anusa.com.au/advocacy/coursereps/





Dirc van Delf (1365-1404). 1400-1404. The Four Elements (Earth, Water, Air, Fire). Ink and pigments on parchment. Walters Art Museum.

https://art.thewalters.org/detail/81616/the-four-elements-earth-water-air-fire/.

See you soon either online or in person!