

**DKK Pressekonferenz,  
Berlin, 9. November 2017**

# **Herausforderung Klimawandel**

*Prof. Dr. Dr. h.c. H. J. Schellnhuber*

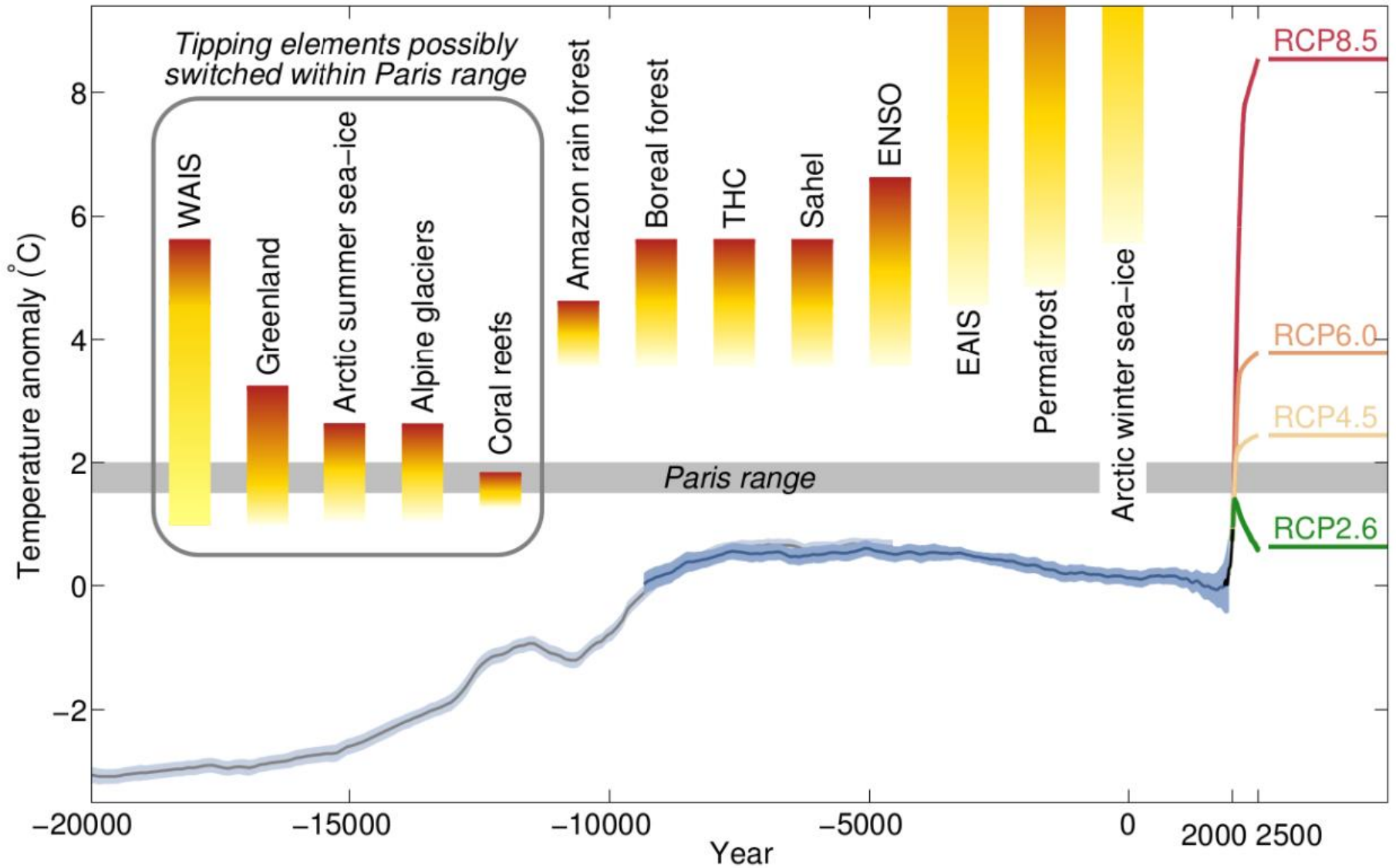
*Direktor, Potsdam-Institut für Klimafolgenforschung (PIK);*

*Mitglied, Wissenschaftlicher Beirat*

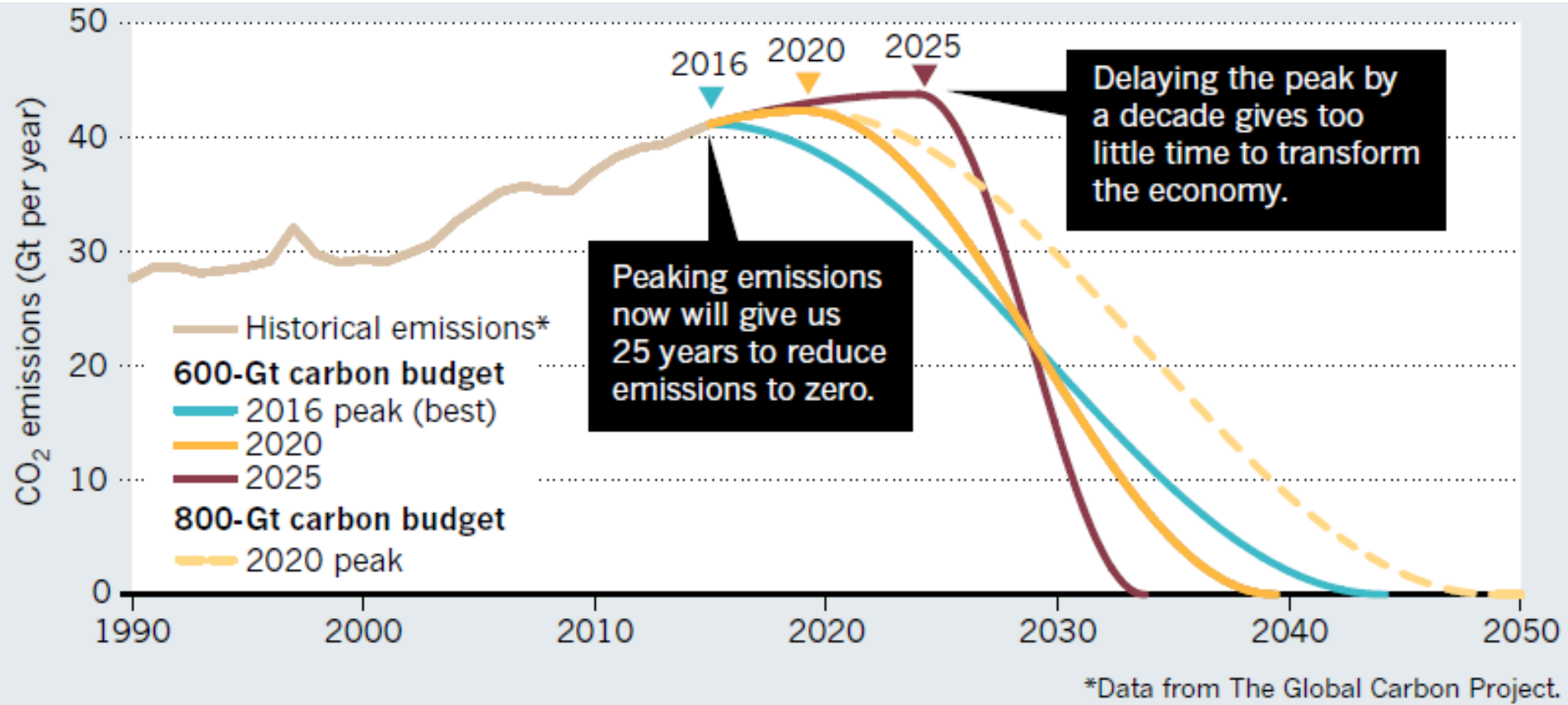
*Globale Umweltveränderungen (WBGU)*



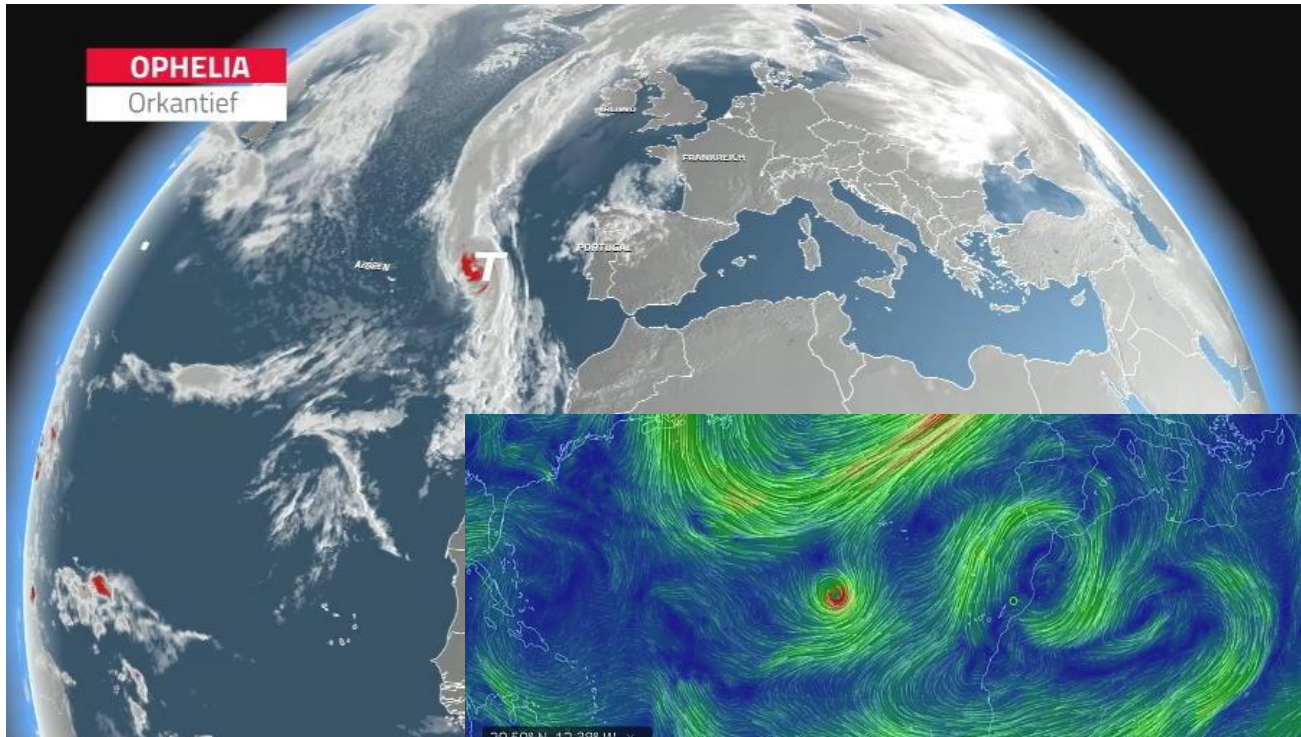
# Kipp-Punkte relativ zur 2°C-Leitplanke



# The Carbon Crunch



# Hurrikan Ophelia und die Iberischen Waldbrände



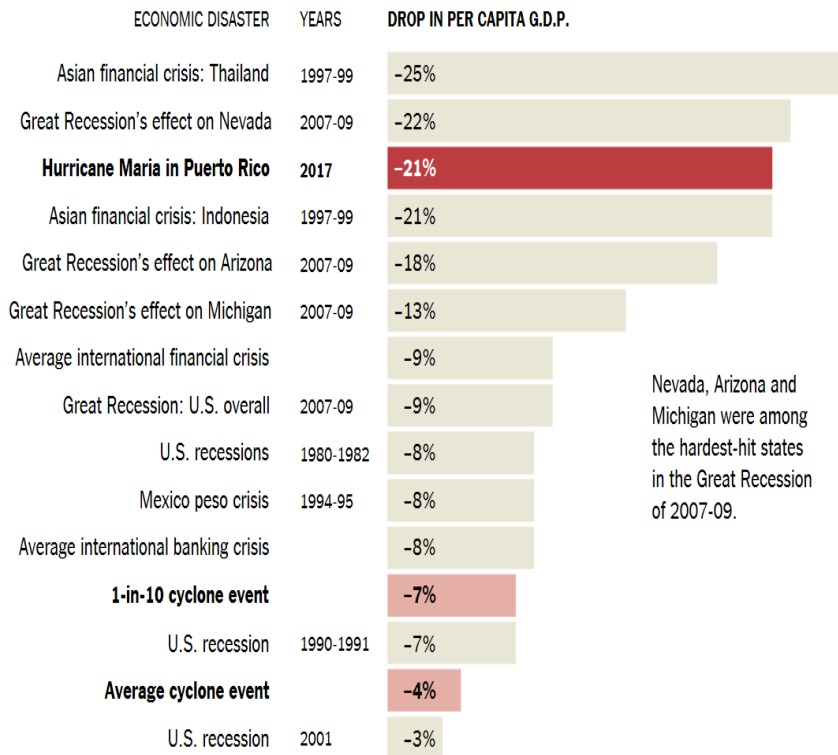
# Hurrikan Maria und die Folgen

Opinion | OP-ED CONTRIBUTORS

## Don't Let Puerto Rico Fall Into an Economic Abyss

### In Just 12 Hours, an Economic Wipeout

Hurricane devastation in Puerto Rico is expected to have much worse economic effects than many other recent crises that unfolded over months or years.



Source: Hsiang/Houser, NYT 29<sup>th</sup> September 2017

POLITICS

## An Exodus From Puerto Rico Could Remake Florida Politics

By MICHAEL TACKETT OCT. 6, 2017



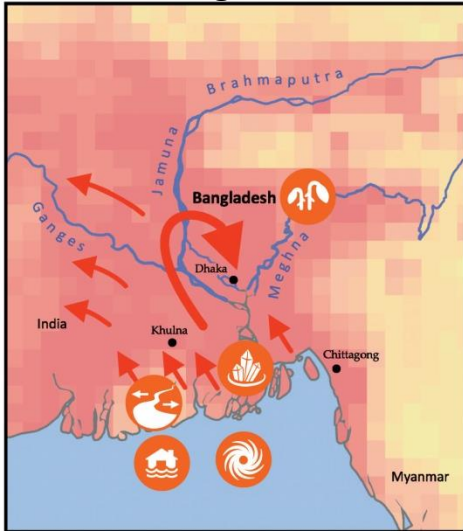
Esteban Garces, state director of Mi Familia Vota, has been working in Florida since 2012 and said his group had registered more than 65,000 voters since then.

ORLANDO, Fla. — Every day dozens of Puerto Ricans straggle into the Orlando area, fleeing their homes and lives ravaged by Hurricane Maria. In the months to come, officials here said, that number could surge to more than 100,000.

Source: Tackett, NYT 6<sup>th</sup> October 2017

# Climate Impacts and Possible Migration Routes in Asia-Pacific Region

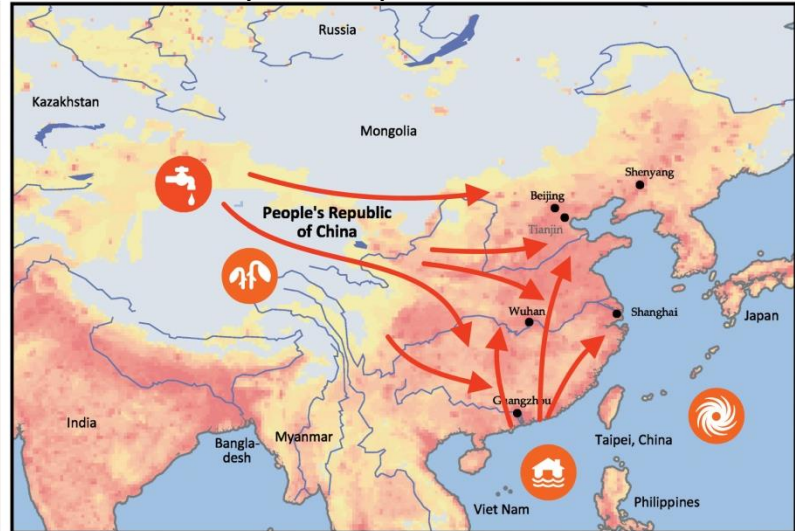
## Bangladesh



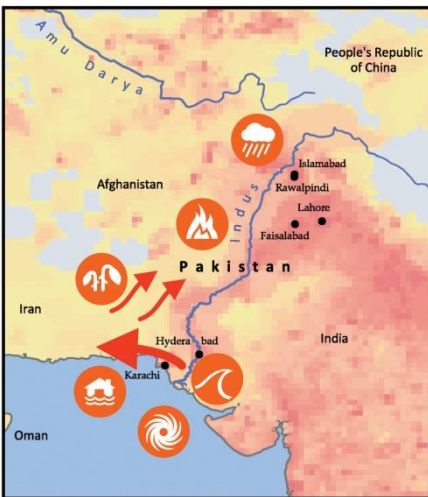
## Philippines



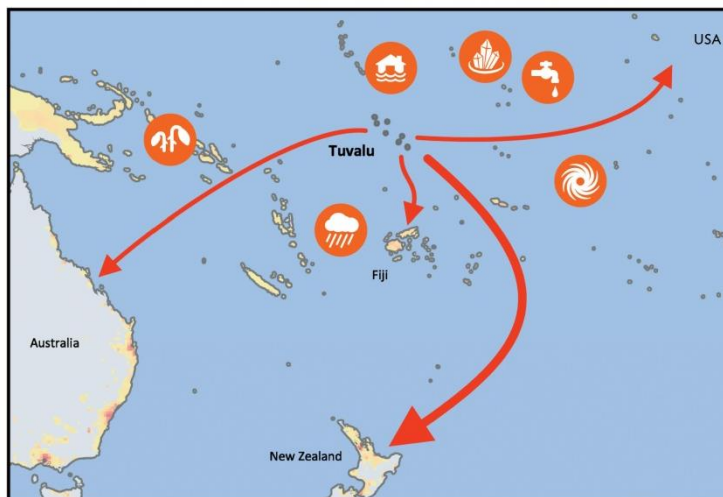
## People's Republic of China



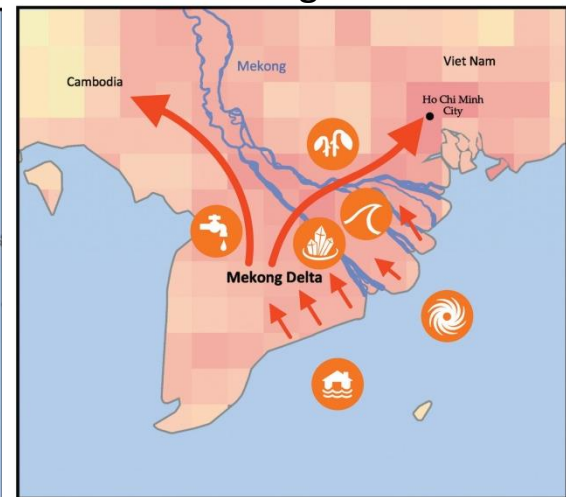
## Indus Delta



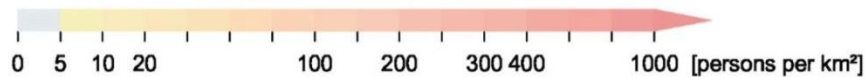
## Tuvalu



## Mekong Delta

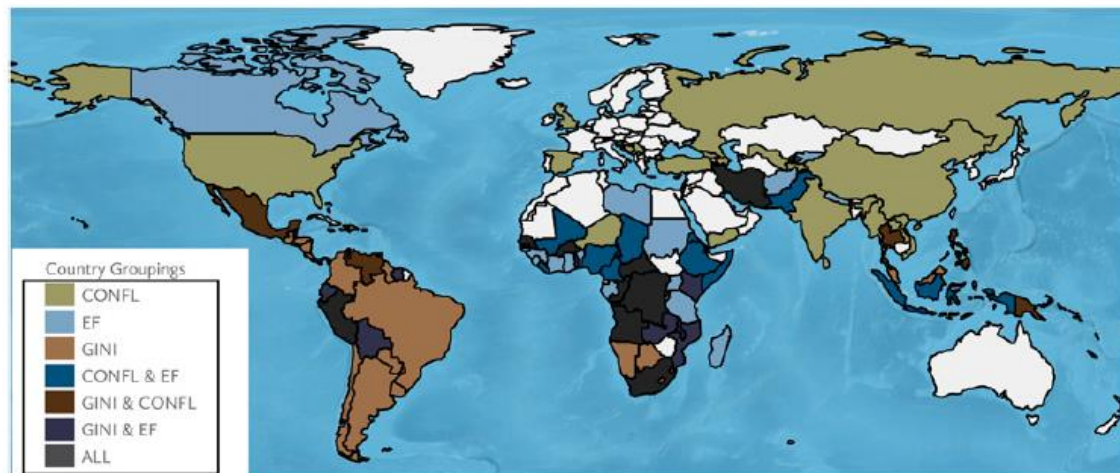


-  River Flooding
-  Sea-Level Rise
-  Extreme Heat
-  Extreme Precipitation
-  Crop Yield Decrease
-  Tropical Storm
-  Salinization
-  Drought / Water Scarcity



# Armed-conflict risks enhanced by climate-related disasters in ethnically fractionalized countries

Carl-Friedrich Schleussner<sup>a,b,c,1</sup>, Jonathan F. Donges<sup>a,d</sup>, Reik V. Donner<sup>a</sup>, and Hans Joachim Schellnhuber<sup>a,e,1</sup>



Mapping of countries according to different analysis criteria including countries with more than one conflict (CONFL), the 50 countries with the highest Gini coefficient (GINI), as well as the 50 countries with the highest ethnic fractionalization (EF).

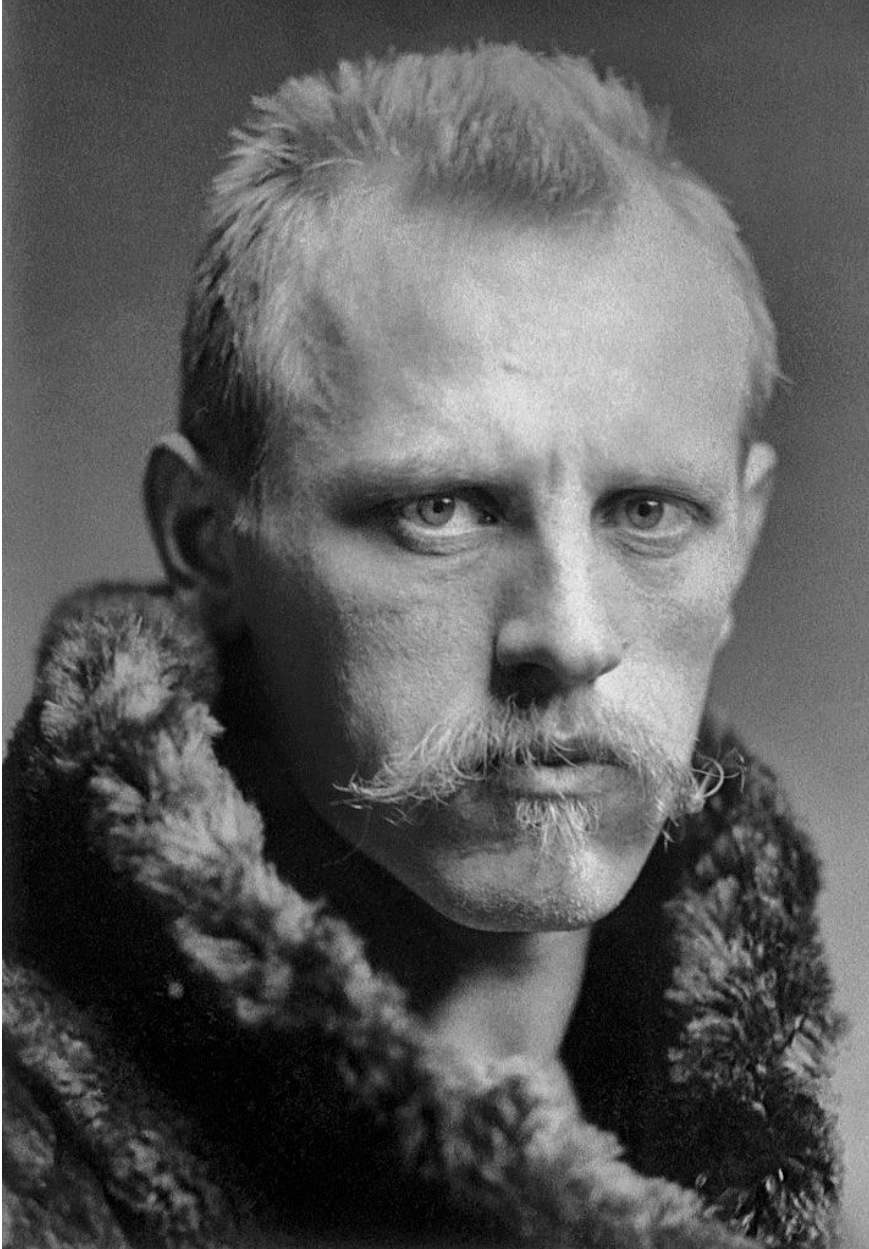
9216-9221 | PNAS | August 16, 2016 | vol. 113 | no. 33

Picture: S. Salgado, Exodus

# Umgang mit globaler Migration in einer +2°C-Welt?

- **Zuwanderungsquote**  
Abhängig von kumulativen nationalen Emissionen?
- **Nansen „Planet“-Passport**  
für Klimaflüchtlinge?
- **Global Green Card?**





Fridtjof Nansen, 1897.  
Pate der Polarforschung;  
Friedensnobelpreisträger