

# Scientists Without Borders

Equal opportunity for scientists worldwide in collaborative tackling with global problems

International Science Council (ISC)


University of Tehran

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Monday 11 October 2021

Doctors Without Borders  
Engineers Without Borders  
Scientists Without Borders

- ## Leading Edge Analysis




The New York  
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**Press Release**  
2021 Blavatnik Regional Honorees




**Event**  
Research for Progressive MS




**Event**  
Science of Racial Justice




**Event**  
Molecular Modeling: Drug Discovery




**Event**  
Cybersecurity & Healthcare



**Event**  
PepsiCo Challenge



**Event**  
DATA PROTECTION



**Event**  
Cybersecurity & Healthcare



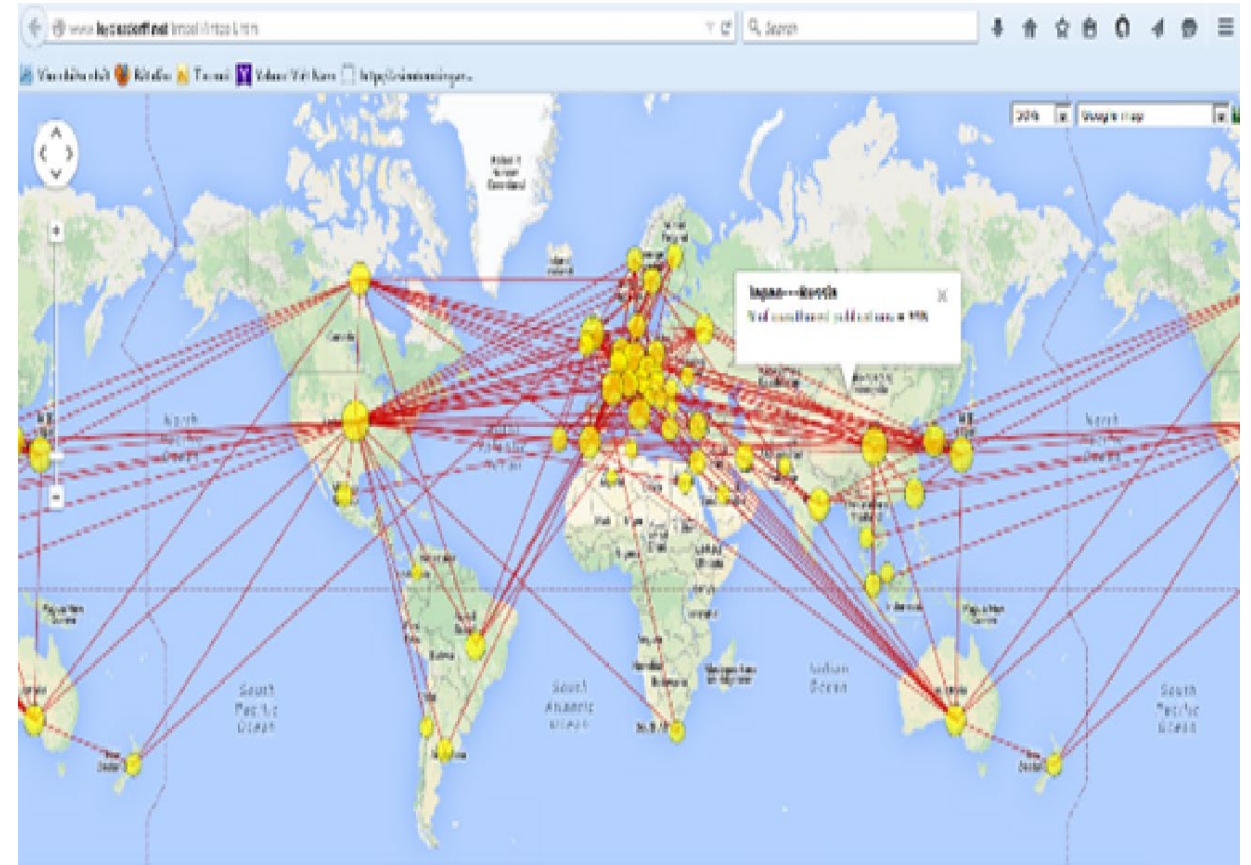
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# Global scientific cooperation and collaboration



International S&T cooperation among nations based on the number of coauthored publication



*Note: size of each node is proportional to the logarithm of the number of fractionally counted papers. Only countries with more than 500 papers are included*

<https://www.sciencediplomacy.org/article/2016/how-collaborating-in-international-science-helps-america>

International research collaboration, An emerging domain of innovation ( 2019 J Research policy)

## Global scientific institutions

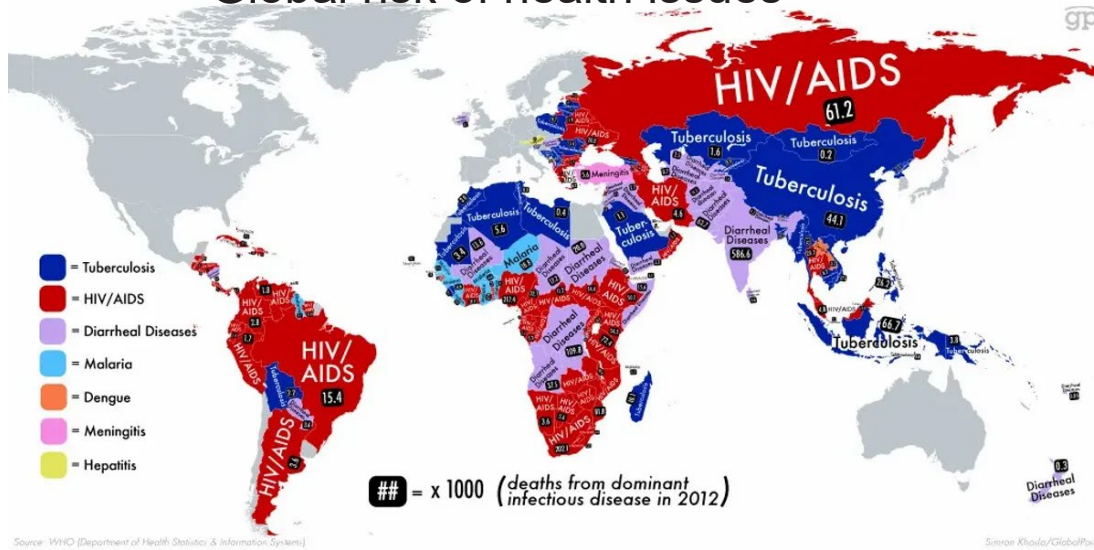
### Elsevier's analysis on global research trends in infectious diseases



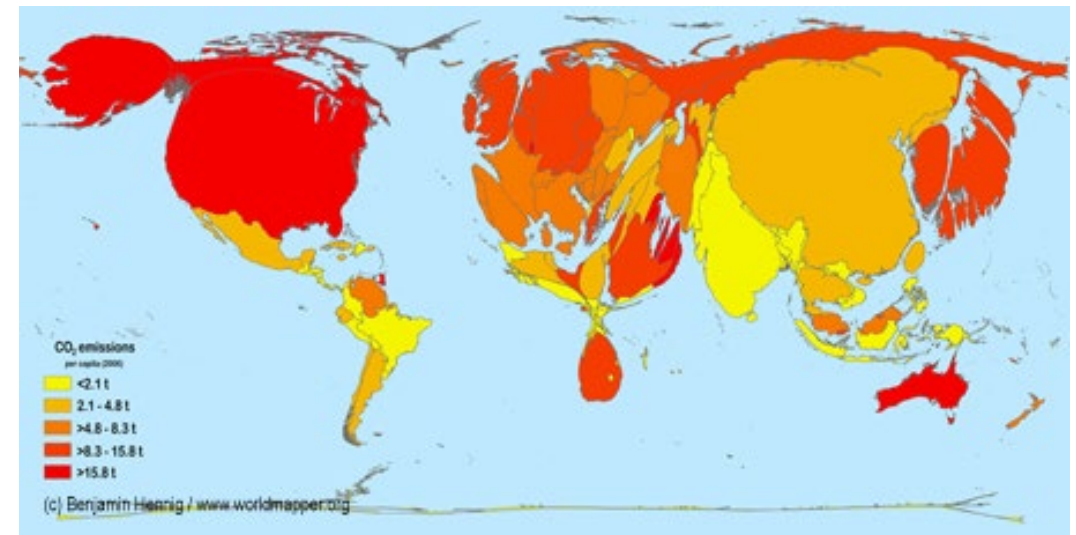


# Global problems living creatures including mankind are suffering from

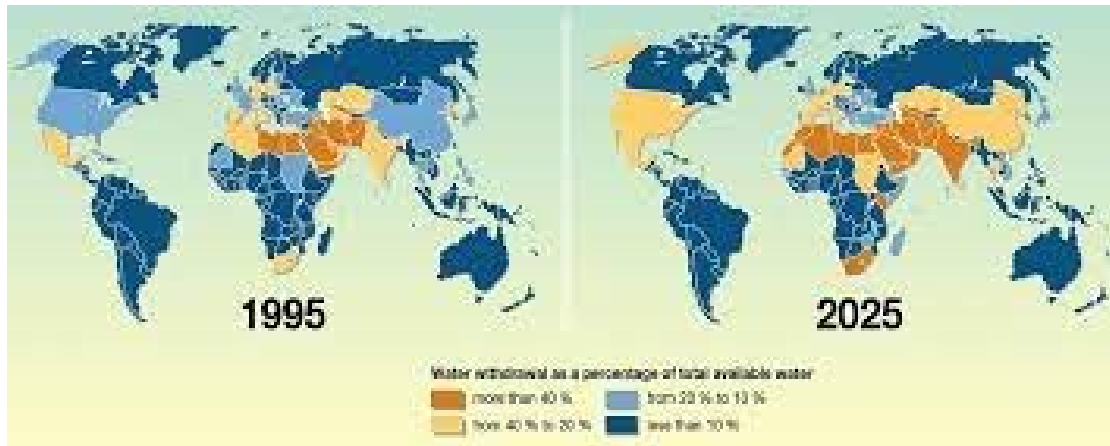
## Global risk of health issues



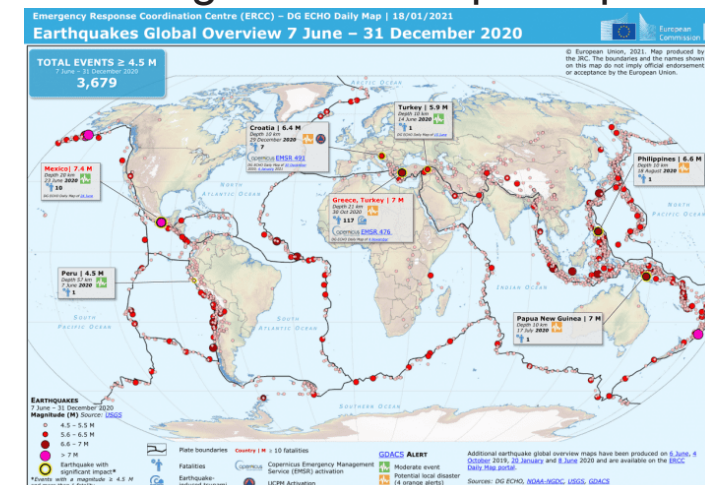
## CO2 Emission worldwide



## Global scarce of water



## Global high risk earthquake points



[https://www.salon.com/2014/11/01/the\\_planets\\_deadliest\\_infectious\\_diseases\\_by\\_country\\_partner/](https://www.salon.com/2014/11/01/the_planets_deadliest_infectious_diseases_by_country_partner/)

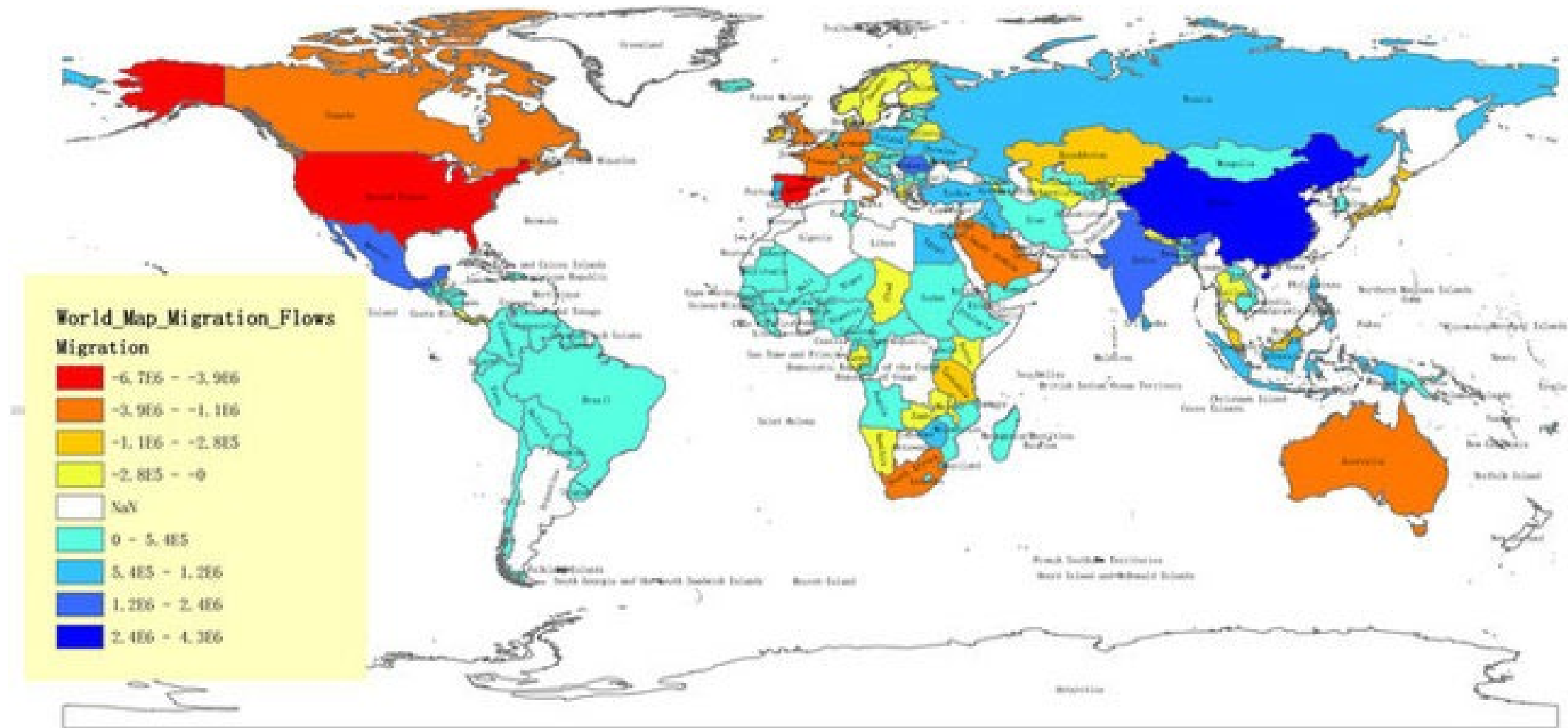
<http://www.viewsoftheworld.net/?p=680>

<https://grid-arendal.herokuapp.com/resources/5625>

<https://reliefweb.int/map/world/earthquakes-global-overview-7-june-31-december-2020-dg-echo-daily-map-18012021>

# Polarized migration of scientists

Scientist migration as a result of restriction in their home countries



# **Consequences of scientific restrictions**

## **Polarized word in terms of**

- **Development**
- **Live style and well being**
- **Health**
- **Knowledge**
- **Development**
- **Culture**
- **Wealth**
- **Social communications**

- **Unwanted migrations**
- **Inequality**

# Johns Hopkins offers live, interactive map with global coronavirus cases

Stop seeing

Why this







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## **Ultimate goals to be approved, arranged and reached in due course**

Formation of the data banks of the

- World problems
- Scientists involved in finding solutions for the world problems
- Scientists, free to travel scheme with no visa required
- Scientists with full access to all scientific databases and information
- Scientists freedom to purchase instruments and materials needed