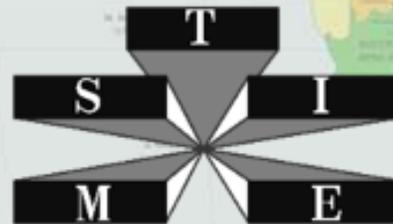
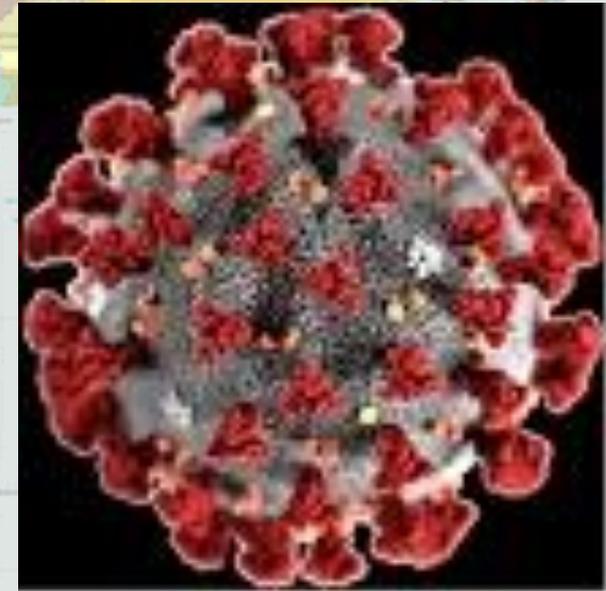


COVID19 LESSONS LEARNED FOR IMPROVED FUTURE PANDEMIC RESILIENCE

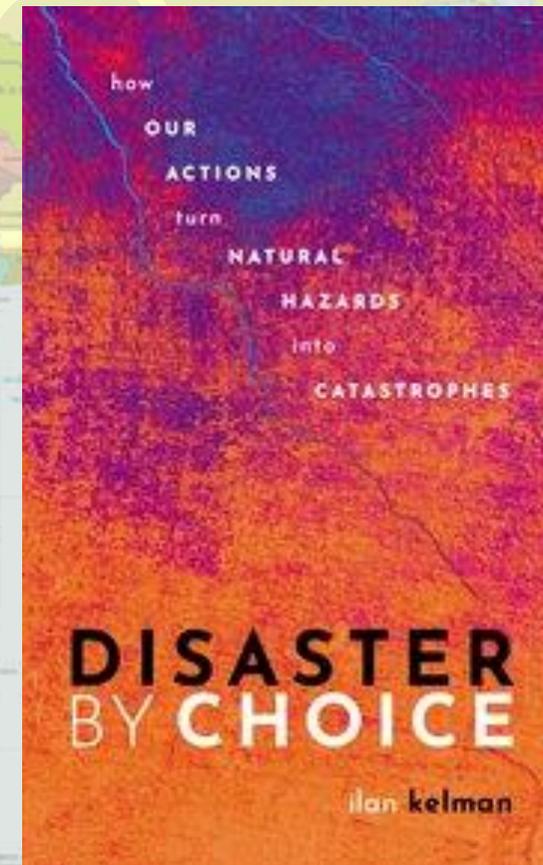
- By
- K. Harald Drager
- TIEMS President

Observations and Thoughts for
Discussion



A Disaster is a Process
Manufactured and
Implemented by
People and their
Choices

*The COVID19
Pandemic was a
Process
Manufactured and
Implemented by
People and their
Choices?*



A world map in a pseudo-cylindrical projection, showing continents and oceans. The map is color-coded by country. A semi-transparent grey box is overlaid on the map, containing text. A blue-bordered box is also overlaid on the map, containing a question.

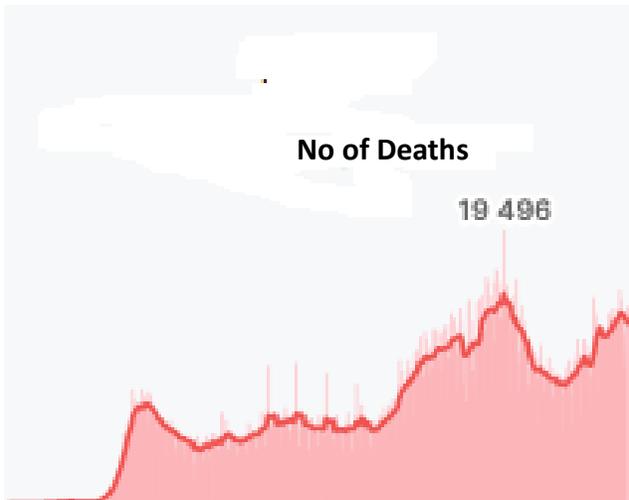
In September 2019, **Gro Harlem Brundtland** (Former Prime Minister of Norway) and **Elhadj As Sy** (Secretary General of the International Federation of Red Cross and Red Crescent Societies), published a study called **«Preventing the next Pandemic»**

For too long, health emergencies have been met with a cycle of panic and neglect – an approach that is putting all of us at growing risk. Governments worldwide must start thinking ahead and increase funding at the community, national, and international levels to shore up health systems and prevent the spread of outbreaks.

Imagine the following scenario. In a matter of days, a lethal influenza pandemic spreads around the world, halting trade and travel, triggering social chaos, gutting the global economy, and endangering tens of millions of lives. Such a large-scale disease outbreak is an alarming –but entirely realistic –prospect. To mitigate the risks, the world must take steps now to prepare

Governments were warned through this and other risk studies, but it seems like this warning was mostly neglected or ignored by those in charge of taking actions?

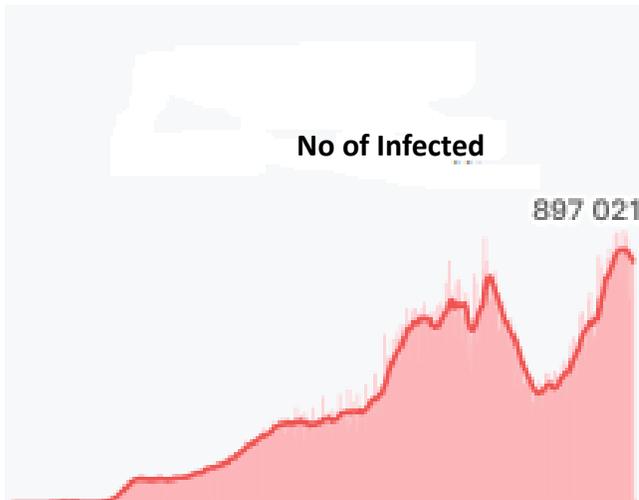
The COVID19 Pandemic Status



3 243 983 **14 167**

Total

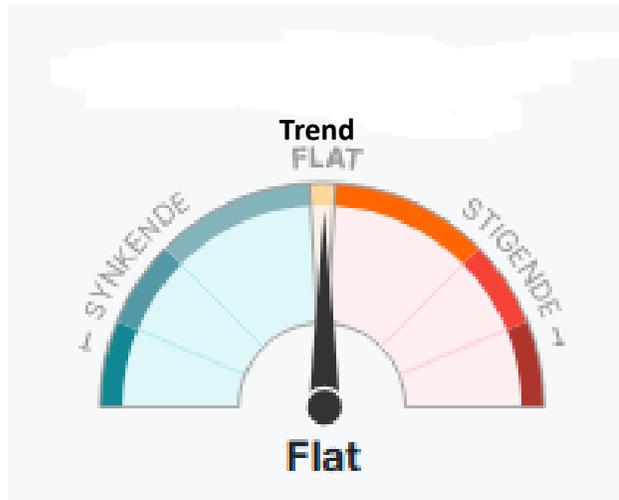
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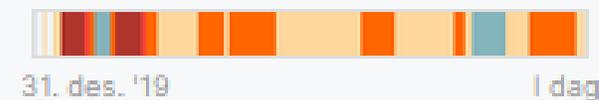
155 205 383 **833 139**

Total

Yesterday



Utvikling i trend:



36 Countries with increasing trend

The Pandemic Spread and Resilience is dependant on:

- **Leadership (Acknowledgment of Facts and Science)**
- **Strategy (Stop the spread by measurers vs flock (herd) immunity)**
- **Vaccine Access (Not all has the same access to vaccines)**
- **Economic and Social Measures (Close down economic and social activity)**

The COVID19 Pandemic Time line

January 9 — WHO Announces Mysterious Coronavirus-Related Pneumonia in Wuhan, China

At this point, the World Health Organization (WHO) still has doubts about the roots of what would become the COVID-19 pandemic, noting that the spate of pneumonia-like cases in Wuhan could have stemmed from a new coronavirus. There are 59 cases so far, and travel precautions are already at the forefront of experts' concerns.

Detected in Wuhan City in China late 2019/Early 2020

January 21 — Chinese Scientist Confirms COVID-19 Human Transmission

January 23 — Wuhan Now Under Quarantine

January 31 — WHO Issues Global Health Emergency

February 2 — Global Air Travel Is Restricted

February 10 — China's COVID-19 Deaths Exceed Those of SARS Crisis

March 11 — WHO Declares COVID-19 a Pandemic

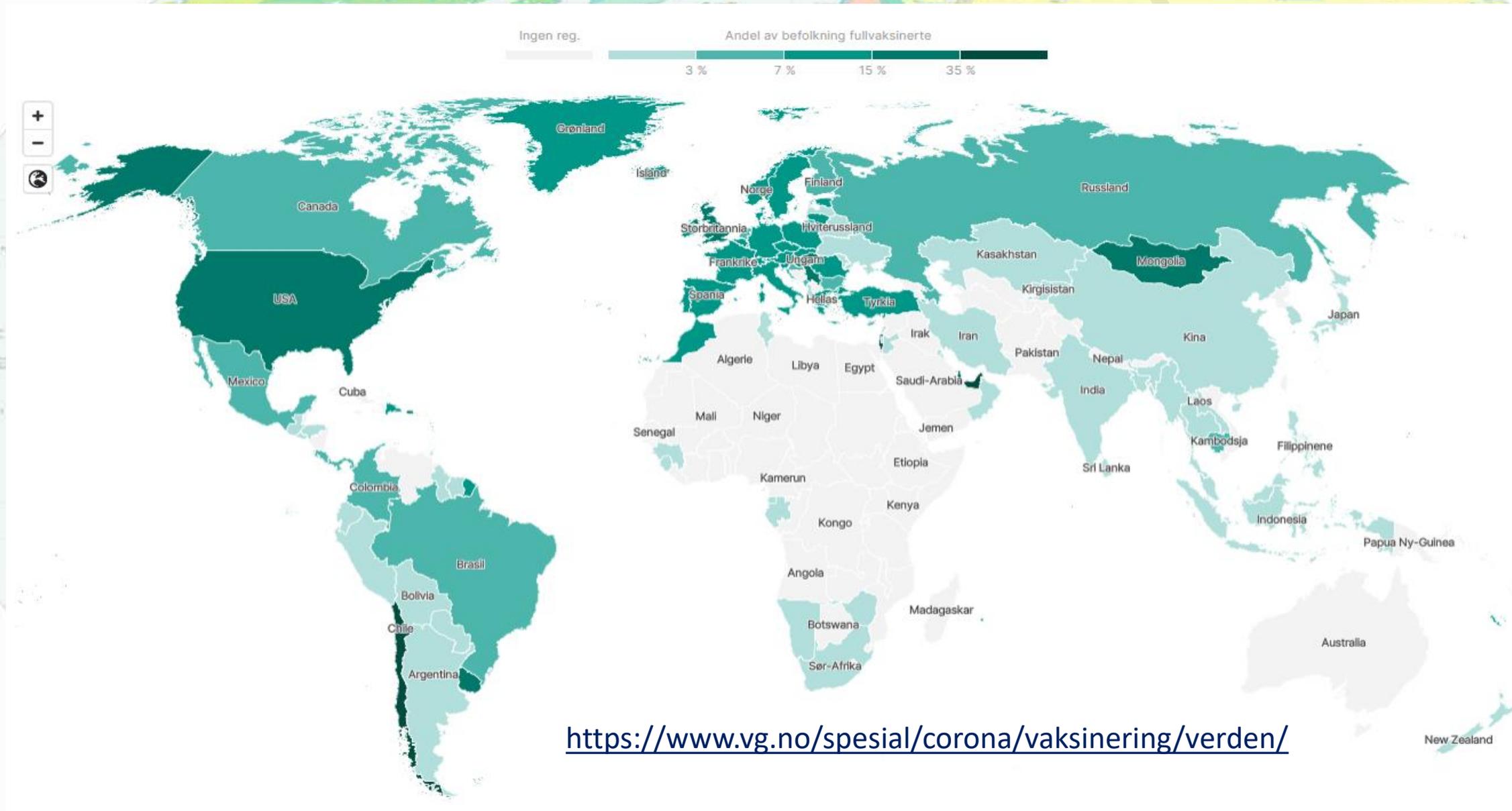
March 25 — Reports Find Extended Shutdowns Can Delay Second Wave

December 21 — New COVID-19 Variant Circling the UK

2021 is all about vaccines, efficiency, side effects, and worldwide distribution, and also to discover the truth about the virus origin

Transparency and Openness about the Virus Outbreak and Consensus about Measures to Implement in order to Reduce the Outbreak could have Slowed Down the Spread of The Virus?

The COVID19 Vaccination Status 06.05.2021



<https://www.vg.no/spesial/corona/vaksinering/verden/>

The COVID19 Vaccination Challenges

- Several vaccines have been developed during one year or less (2020)
- 1 year is a very, very short development and testing time for a new vaccine
- Serious (even fatal) side effects have been discovered with a couple of them
- A few countries have a precautionary approach to use vaccines with fatal side effects
- Access to vaccines is not evenly distributed worldwide
- Remove of patents right (or free licence) for vaccines for a short or long time in development countries seems to happen for their own vaccine production
- There exists vaccination hesitancy in many countries
- Several conspiracy theories are influencing peoples belief in the vaccines
- Vaccination Passports are being prepared in many countries, in order for opening up the societies and allow international travelling

Vaccination solidarity worldwide should be a must, because without stopping the virus spread worldwide, it may pop again in a 4th and 5th wave anywhere.

An honest and precautionary vaccination approach increase peoples belief in the vaccine.

An active authority public approach with facts towards conspiracy theories can increase trust in the authorities and their approach with fighting the pandemic.

Conclusions and Recommendations

- **The COVID19 Pandemic Spread out Worldwide with Devastating Consequences due to People and their Choices**
- **There will be New Epidemics and Pandemics, and the Lessons Learned from the COVID19 Pandemic should be used in Developing Strategies and Action Plans for being prepared for and Fighting Future Pandemics**
- **WHO should be Strengthen and Play an even Stronger Role in Preparing for Future Pandemics and same with National/Local CDC's in cooperation with the Civil Protection Agencies**
- **The Public Want the Truth Whatever Bad it is, so Transparency, Openness and Honesty Build trust to the Authorities and Weaken Conspiracy Theories**
- **Vaccination Solidarity Worldwide is Self Evident with Patent Free Local Production for building more Resilient Societies against Pandemics**
- **COVID19 Passports may be Necessary for Stimulating Economic Growth and International Travel**
- **We must not forget that there are other Disaster Types which has to be prepared for as well**