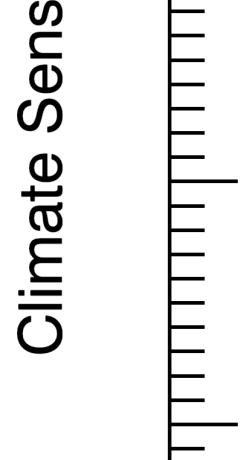


# 10 New Insights in Climate Science 2020

Launch of 10 New  
Insights in Climate Science 2019





# 1. Equilibrium Climate Sensitivity



# 2. Abrupt permafrost thaw



# 3. Land sink potentials and limits





## 4. Exacerbating Water Crisis

By Zaiian, CC BY-SA 4.0



## 5. Affecting our Mental Health

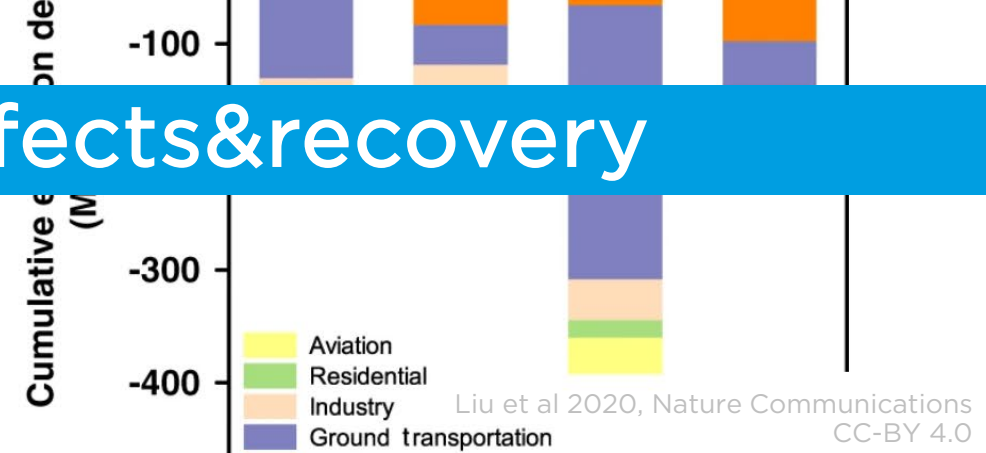
State Farm CC BY 2.0



Daily emission difference compared to 2019 (MtCO<sub>2</sub>e)



# 6. COVID-19 effects & recovery



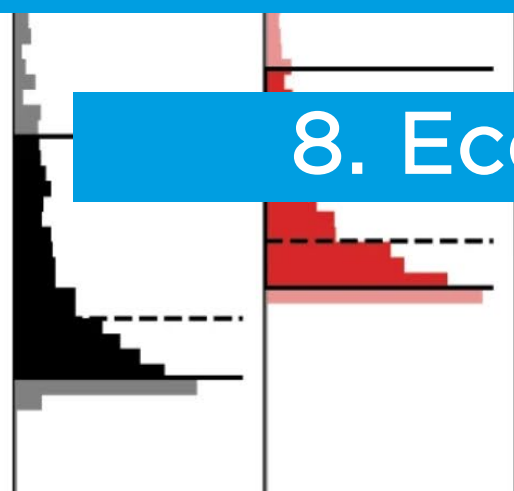
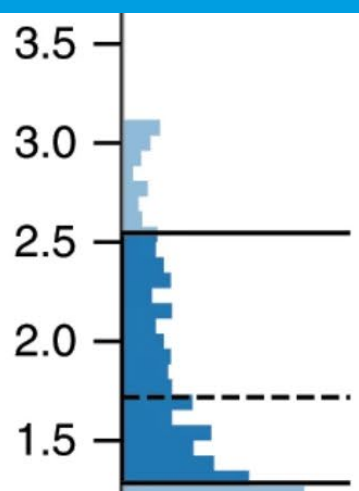
Liu et al 2020, Nature Communications  
CC-BY 4.0



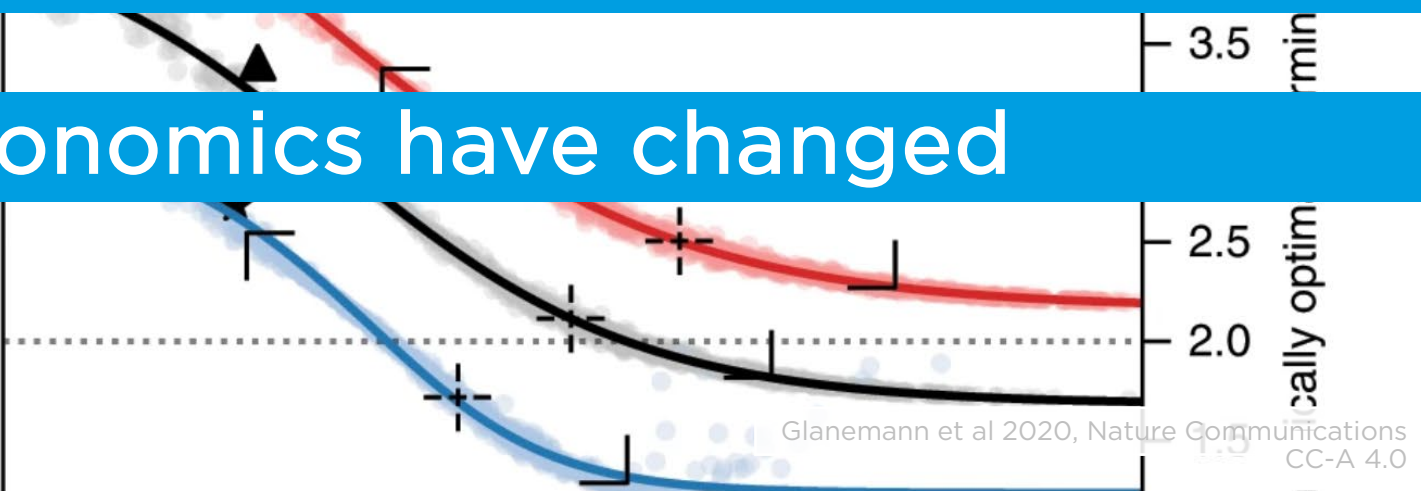
# 7. Governing transboundary risk

UNDP Climate, CC BY-NC 2.0

Economically optimal warming



# 8. Economics have changed



Glanemann et al 2020, Nature Communications  
CC-A 4.0

A modern high-speed train is stopped at a station platform. The platform is covered by a large, arched glass and steel roof. People are walking on the platform, some with luggage. The train is sleek and dark-colored.

## 9. Urban electrification transition

A courtroom scene with a judge and several people seated at a long table. The room has a high ceiling and large windows. The judge is seated at the head of the table, and the other people are seated along the sides. The room is well-lit and has a formal atmosphere.

## 10. Rights-based climate litigation



# The 10 New Insights in Climate Science 2020

## Januari 2021

[futureearth.org/10-insights-2020](https://futureearth.org/10-insights-2020)

