

Sai = Stratospheric Aerosol Injection

www.econrevolt.com
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Climatechange Impact with or without SAI

Impact Without SAI

Impact With SAI

physical parameter / category

40-200 cm by 2100

Will keep rising until Max 58 m if South pole ice completely melts

30 cm by 2100

maximum 30 cm if SAI stays in place

sea level change

tipping points unleashed

many tipping points reversed

Amoc sea current stops

melting permafrost releases methane

forest collaps

insect collaps

drought

drought because of summer heatwaves

4% less rain because of 1% less sunlight, but more again bc of some remaining warming

No SAI

yes SAI

summer water flows because gletsjers in tact and growing

extreme drought periods stop

SAI must be deployed keeping monsoon rains in tact low risk keeping monsoon stable

crops diminish

India drought

USA crops diminish

UP, Bihar, Jharkhand, and West Bengal — the major rice-producing states of India — are in the grips of drought in the absence of enough rain

The US announced water cuts as rivers and lakes are hitting dangerous lows

About half of the planet's population (3.6 billion) lives in water-scarce regions. The consequent food and water crisis could be poised to drive up social unrest and massive migration

Iran / Irak drivers dry up by 2100

heatwaves

No SAI

Yes SAI

much less heatwaves

co2 emissions, destruction

land heatwaves kill people directly

land heatwaves cause forest fires

more mothers die while pregnant

58% of oceans had heatwaves in 2023

coral bleaching

ecosystem damages

ocean oxigen depletion grows

Ocean Acidification (OA)

Without SAI CO2 Still Will rise if oil lobby continues as it did until 2023

Sai does not stop CO2 levels. So OA won't stop without extra measures

No SAI

Yes SAI

perhaps less OA because CO2 levels might rise less fast

medium impact on pacific and arctic ecosystems by 2030-2070

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after 2100 possible krill collapse

governance and violence

Climate change leads to water and food scarcity, higher prices and unrest. Can cause populism and wars

SAI can lead to conflict if some countries experience drawbacks