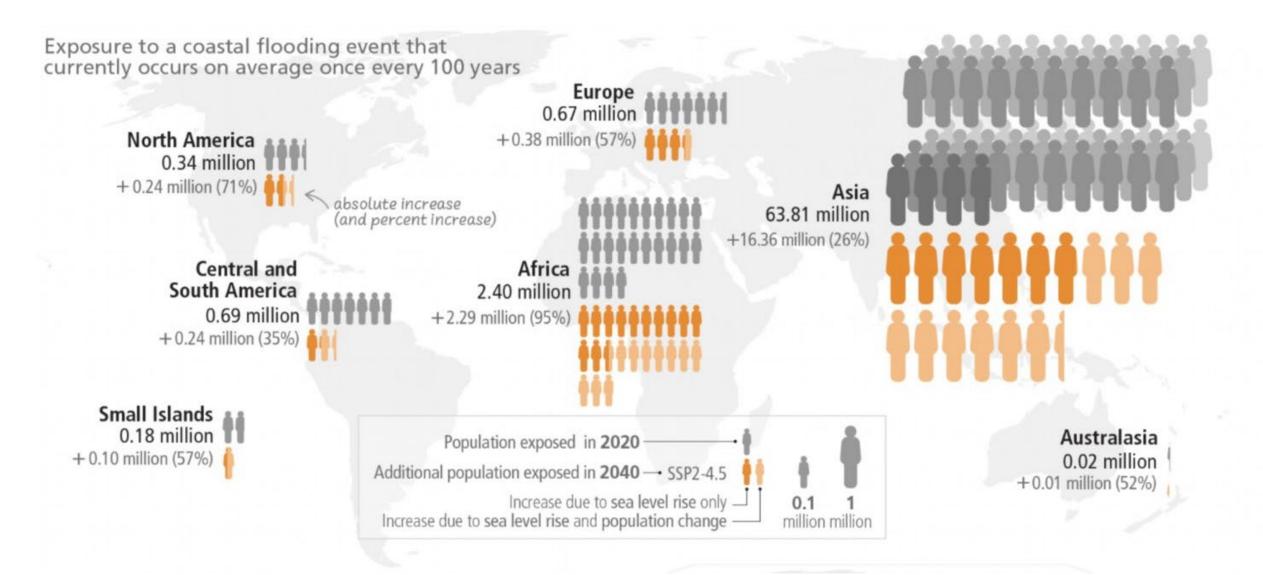
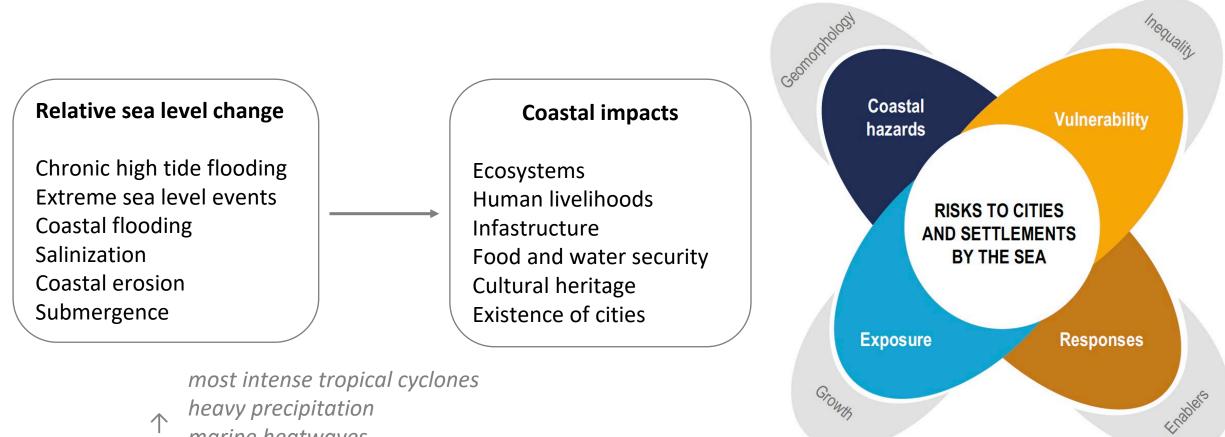
Asia is the region with the largest population exposed to coastal flooding



Local relative sea level rise increases the profile of risks to coastal cities



marine heatwaves ocean acidifiation

IPCC WGII report (2022)

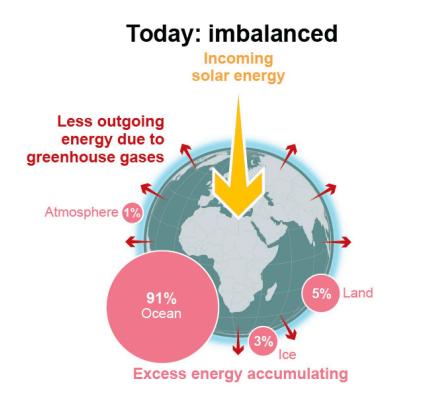
Global mean sea level is rising at an increasing rate

Global mean sea level rise from 1901 to 2018 : + 0.20 m unprecedented since at least the last 3000 years



IPCC WGI report (2021)

Heating of the climate system due to emissions of greenhouse gases is causing global mean sea level rise through ocean warming and the loss of land ice



Human influence on climate is the main driver of



ocean warming and thermal expansion



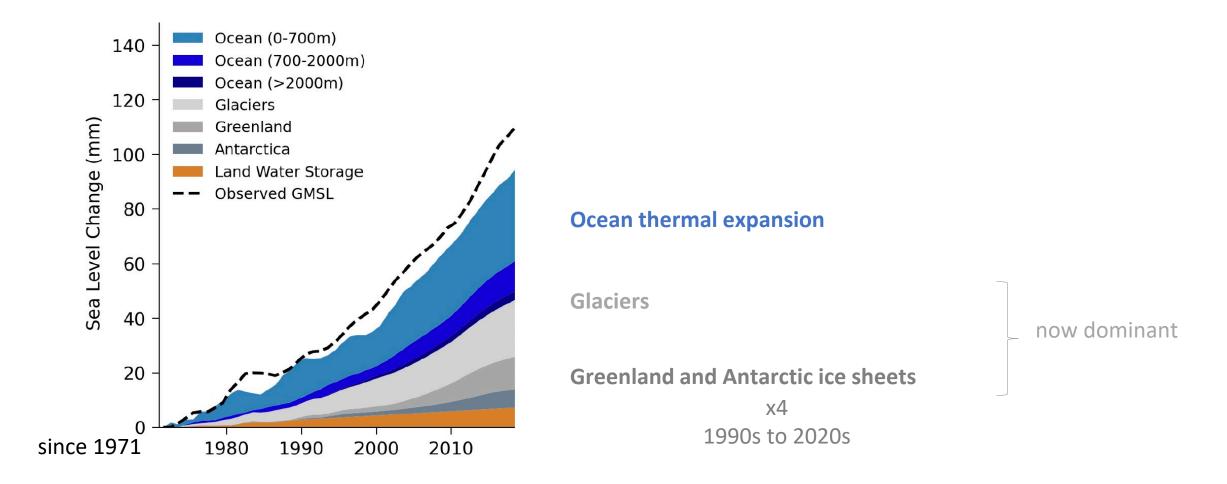
Greenland surface meting



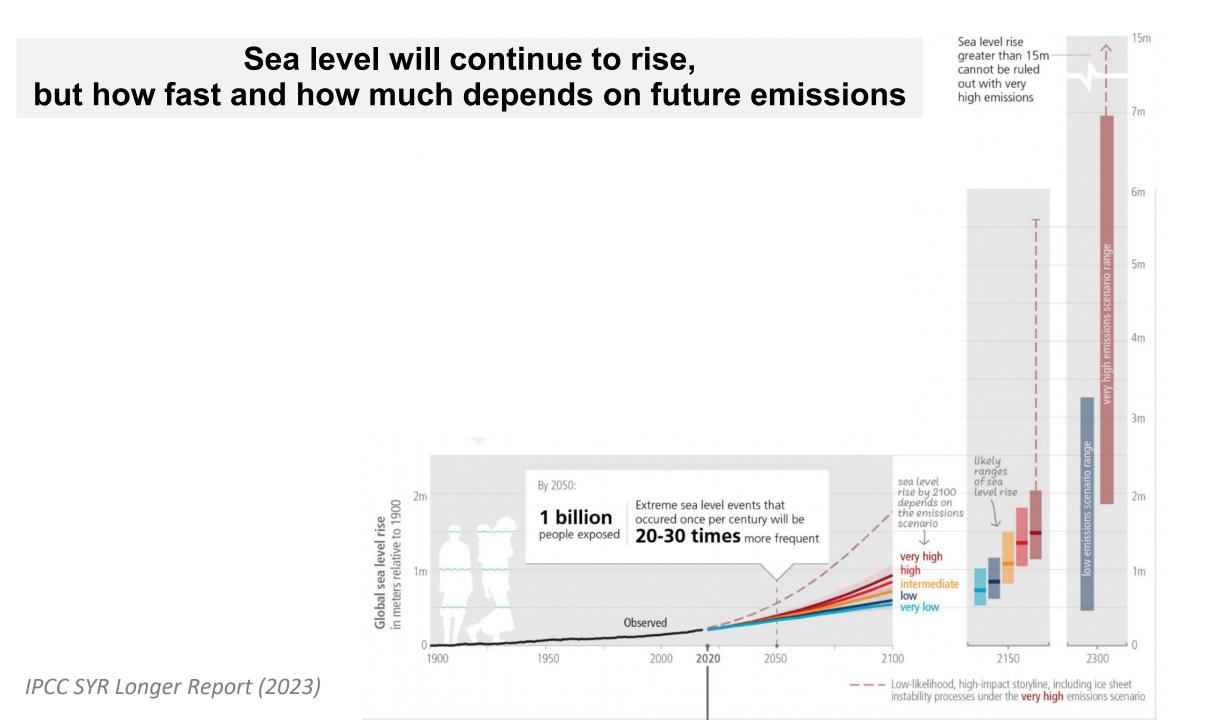
glacier retreat

with long lasting responses

Heating of the climate system due to emissions of greenhouse gases is causing global mean sea level rise through ocean warming and the loss of land ice

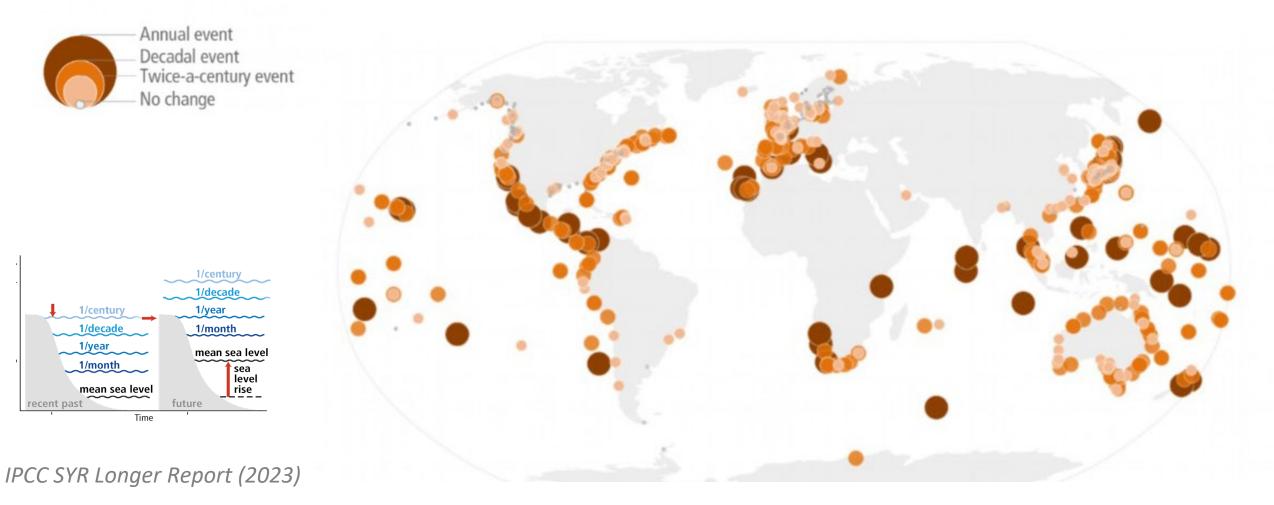


IPCC WGI report (2021)

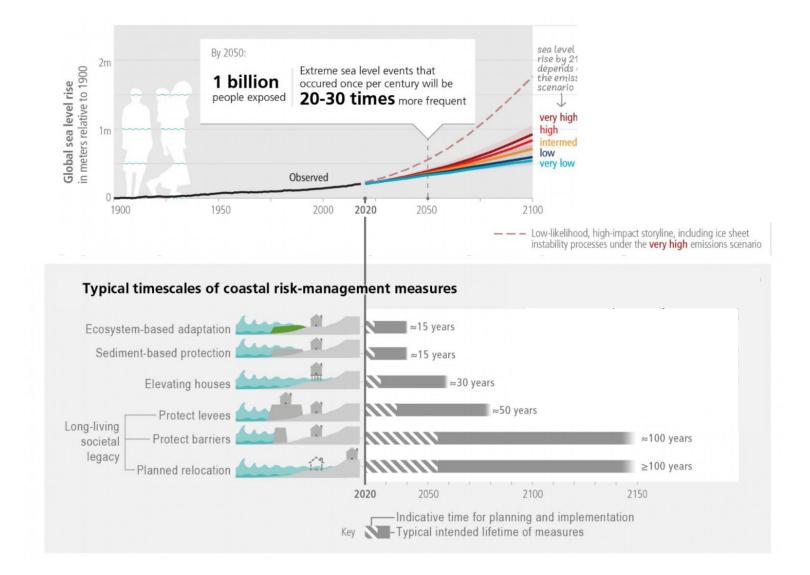


Increased frequency of extreme sea level events by 2040

Frequency of events that currently occur on average once every 100 years

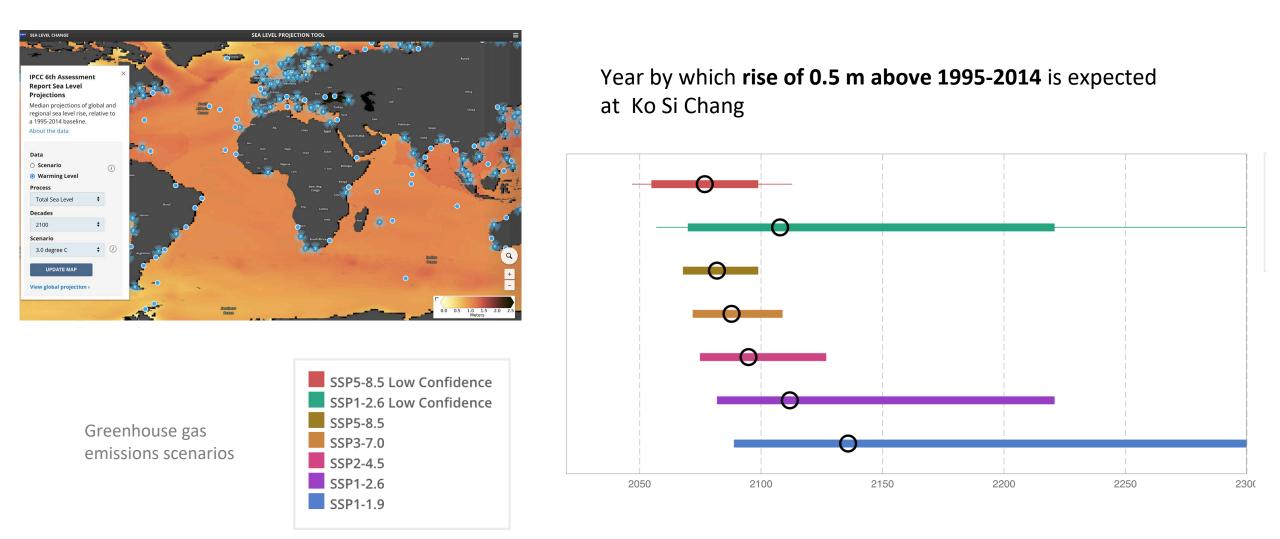


Responding to sea level rise requires long-term planning



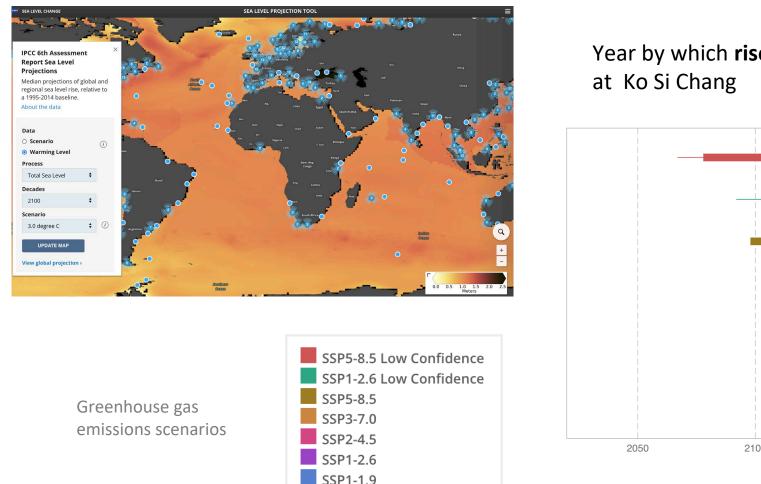
IPCC SYR Longer Report (2023)

Higher greenhouse gas emissions lead to larger and faster sea level rise, demanding earlier and strong responses, reducing the lifetime of some options

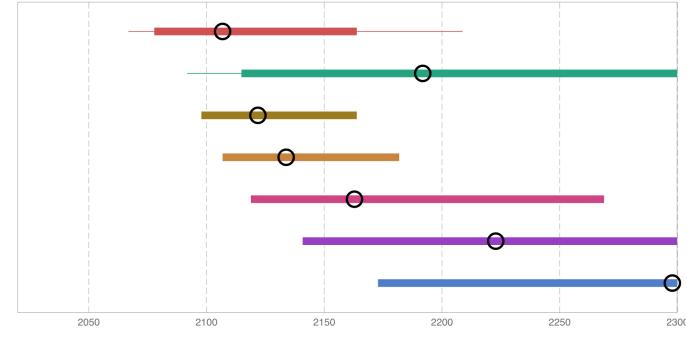


https://sealevel.nasa.gov/ipcc-ar6-sea-level-projection-tool

Higher greenhouse gas emissions lead to larger and faster sea level rise, demanding earlier and strong responses, reducing the lifetime of some options



Year by which **rise of 1 m above 1995-2014** is expected at Ko Si Chang



https://sealevel.nasa.gov/ipcc-ar6-sea-level-projection-tool