

# IPCC 6<sup>th</sup> Assessment Report:

## REGIONAL CLIMATE CHANGE

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*Changing by Alisa Singer*

*"As we witness our planet transforming around us we watch, listen, measure ... respond".*

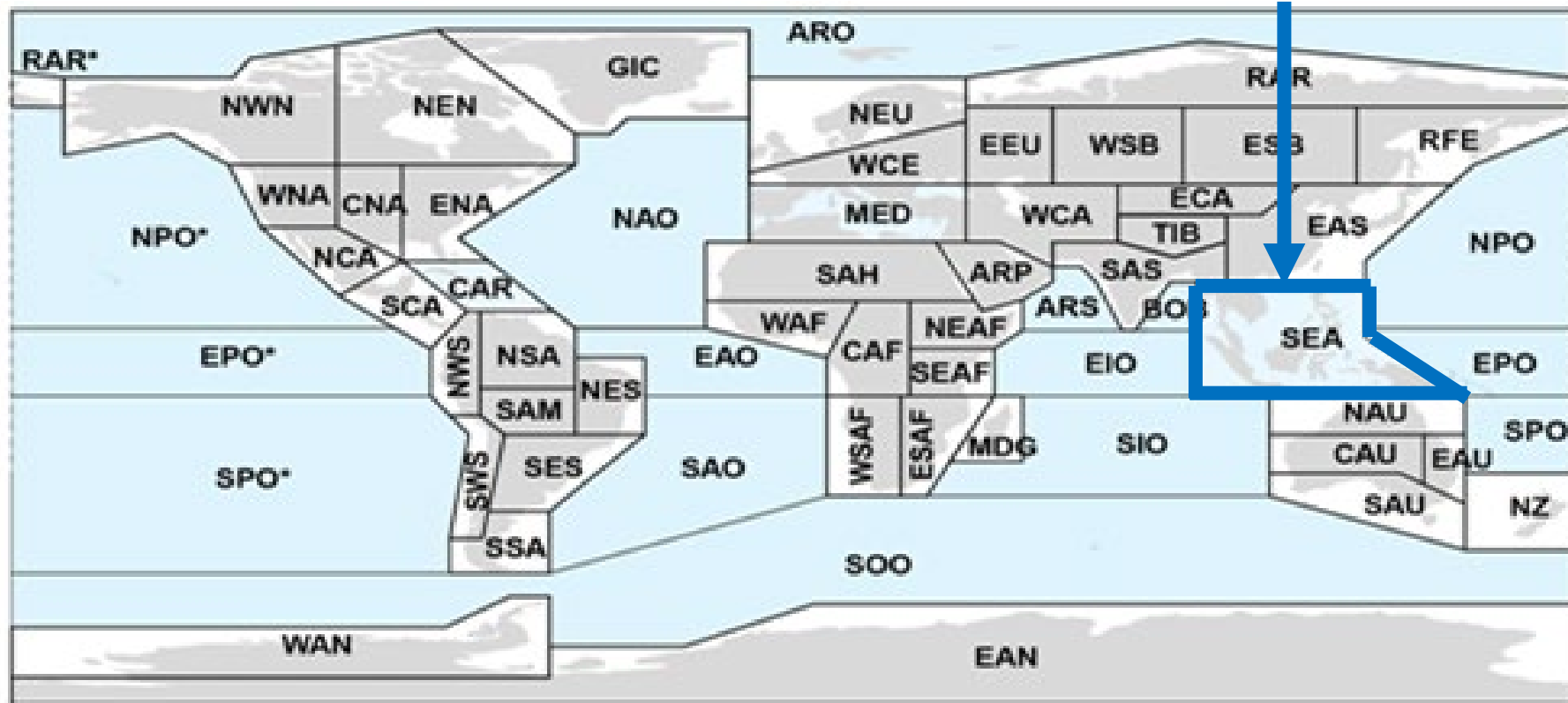


[Credit: Hong Nguyen | Unsplash]

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Climate change is already affecting every inhabited region across the globe, with human influence contributing to many observed changes in weather and climate extremes

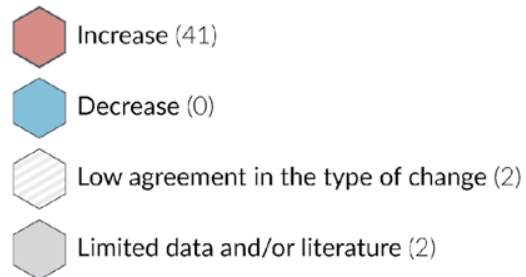
## South East Asia (SEA)



# Climate change is affecting every inhabited region across the globe, with human influence contributing to many observed changes in weather and climate extremes

a) Synthesis of assessment of observed change in **hot extremes** and confidence in human contribution to the observed changes in the world's regions

Type of observed change  
in hot extremes



Confidence in human contribution  
to the observed change

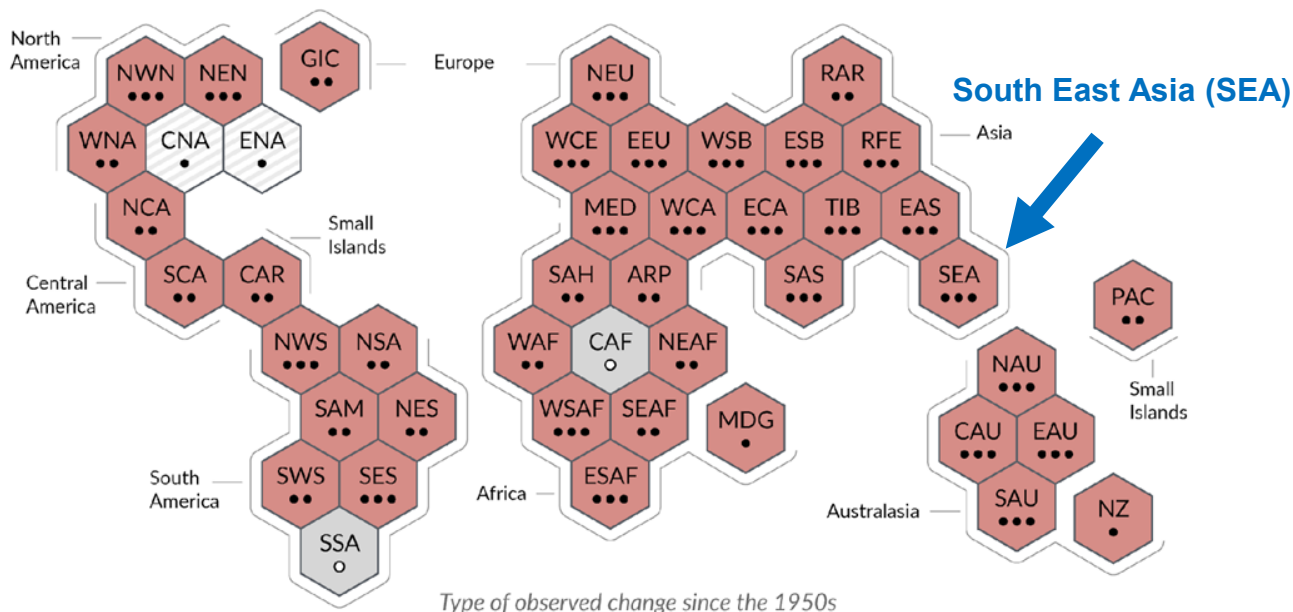
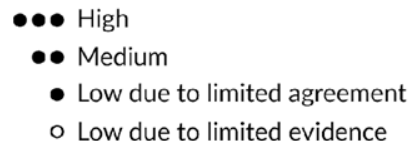


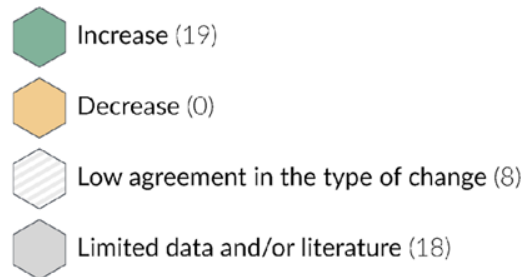
Figure SPM.3



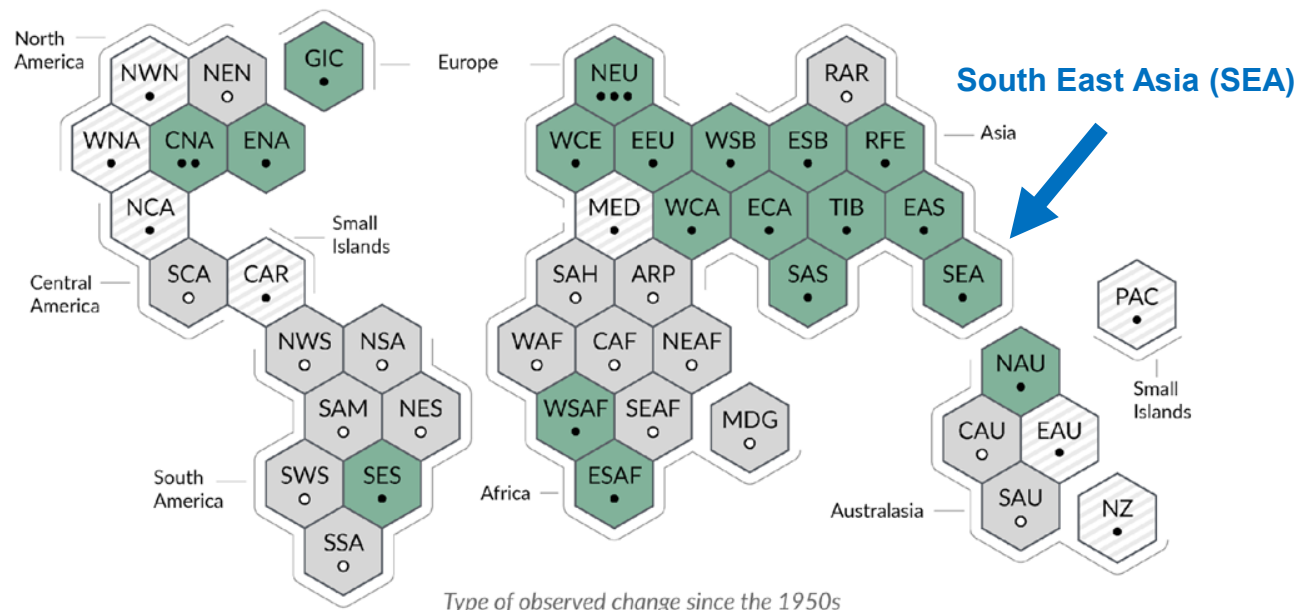
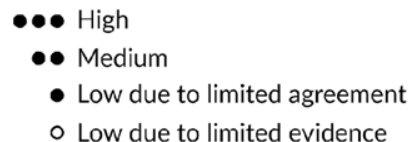
# Climate change is affecting every inhabited region across the globe, with human influence contributing to many observed changes in weather and climate extremes

b) Synthesis of assessment of observed change in heavy precipitation and confidence in human contribution to the observed changes in the world's regions

Type of observed change  
in heavy precipitation



Confidence in human contribution  
to the observed change

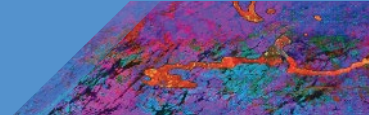


Type of observed change since the 1950s

Figure SPM.3



With every increment of global warming, regional changes in mean and extreme climate become more widespread and pronounced



## With increased climate change, South East Asia will experience increases in:



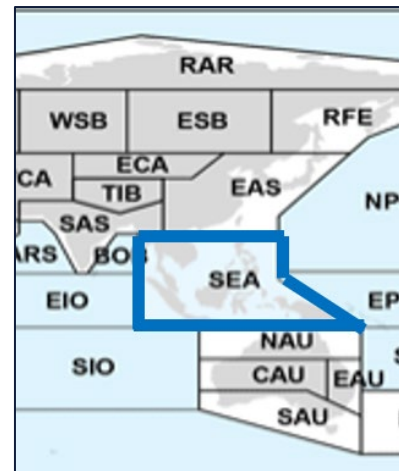
- Mean air temperature
- Extreme heat

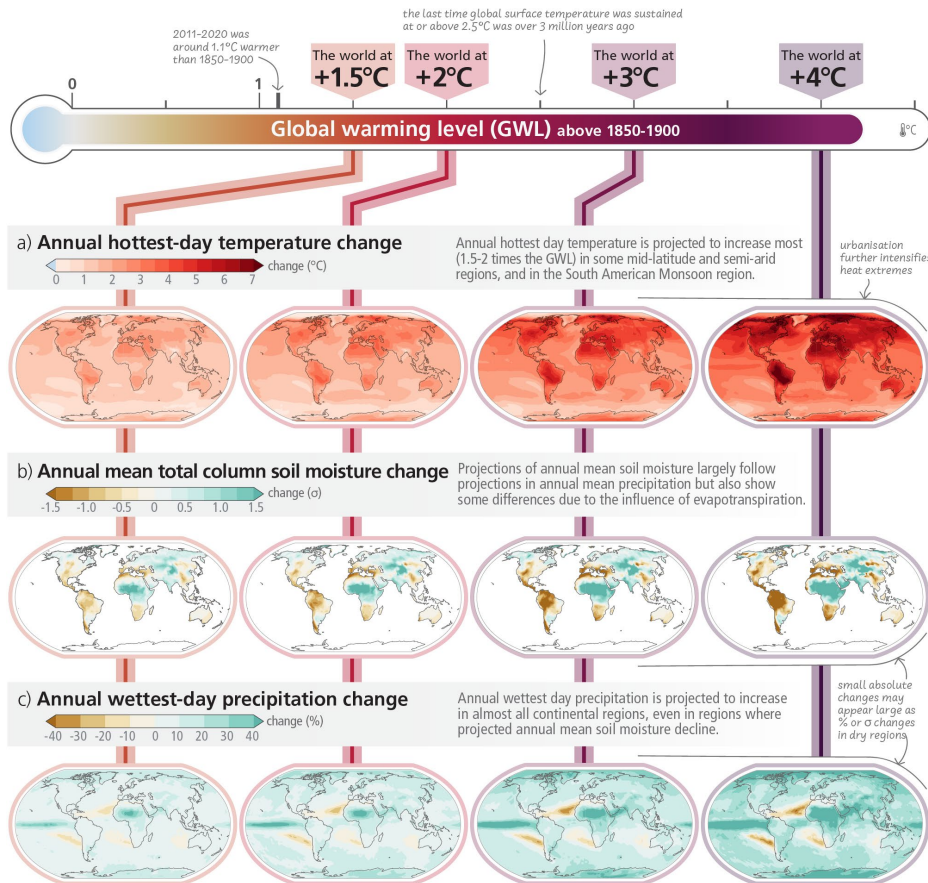


- Heavy precipitation
- Flooding due to precipitation



- Sea level rise
- Coastal flooding
- Coastal erosion
- Marine heatwaves
- Ocean acidity



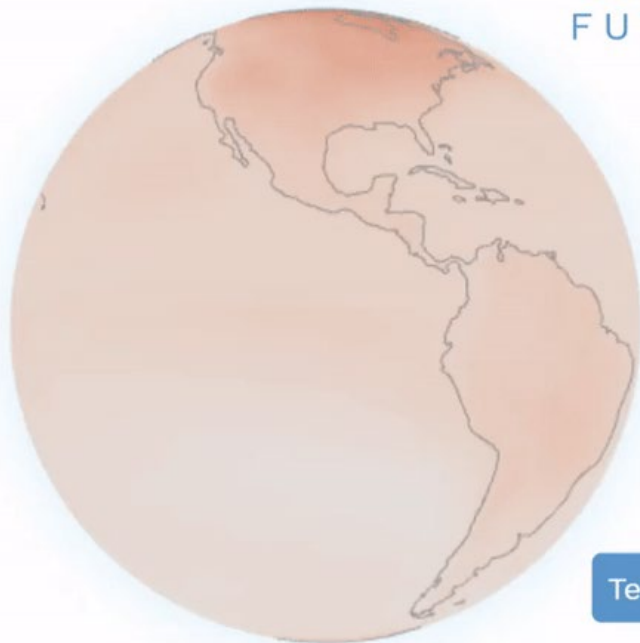


**With every increment of global warming, regional changes in mean climate and extremes become more widespread and pronounced**



## Interactive atlas

OUR POSSIBLE  
CLIMATE  
FUTURES



+1.5°C

+2°C

+3°C

+4°C

Temperature

Precipitation

<https://interactive-atlas.ipcc.ch/>

#IPCCData

#IPCCAtlas

# SIXTH ASSESSMENT REPORT

Working Group I – The Physical Science Basis

# Thank you!

IPCC: [www.ipcc.ch](http://www.ipcc.ch)

Interactive Atlas: [interactive-atlas.ipcc.ch](http://interactive-atlas.ipcc.ch)

IPCC Working Group I TSU:

IPCC Press Office: [ipcc-media@wmo.int](mailto:ipcc-media@wmo.int)



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