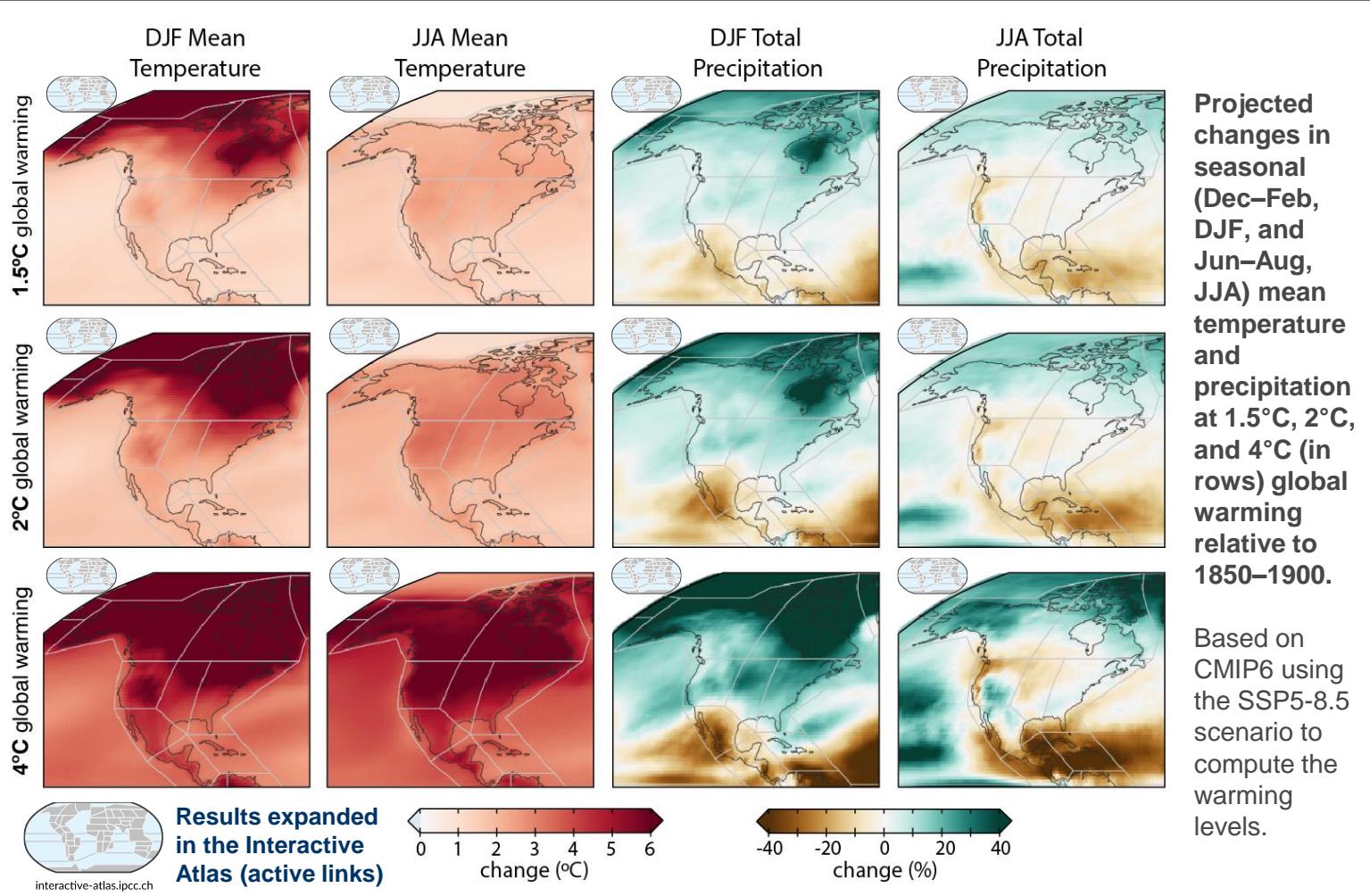


## Regional fact sheet – North and Central America

### Common regional changes

-  North and Central America (and the Caribbean) **are projected** to experience climate changes across all regions, with some common changes and others showing distinctive regional patterns that lead to unique combinations of adaptation and risk-management challenges. These shifts in North and Central American climate **become** more prominent with increasing greenhouse gas emissions and higher global warming levels.
-  Temperate change (mean and extremes) **in observations** in most regions is larger than the global mean and **is attributed** to human influence. Under all future scenarios and global warming levels, temperatures and extreme high temperatures **are expected** to continue to increase (*virtually certain*), with larger warming in northern subregions.
-  Relative sea level rise **is projected** to increase along most coasts (*high confidence*) and are associated with increased coastal flooding and erosion (*also in observations*). Exceptions include regions with strong coastal land uplift along the south coast of Alaska and Hudson Bay.
-  Ocean acidification (along coasts) and marine heatwaves (intensity and duration) **are projected** to increase (*virtually certain and high confidence*, respectively).
-  Strong declines in glaciers, permafrost, and snow cover **are observed** and **will continue** in a warming world (*high confidence*), with the exception of snow in northern Arctic (see overleaf).
-  Tropical cyclones (with higher precipitation), severe storms, and dust storms **are expected** to become more extreme (Caribbean, USA Gulf Coast, East Coast, Northern and Southern Central America) (*medium confidence*).

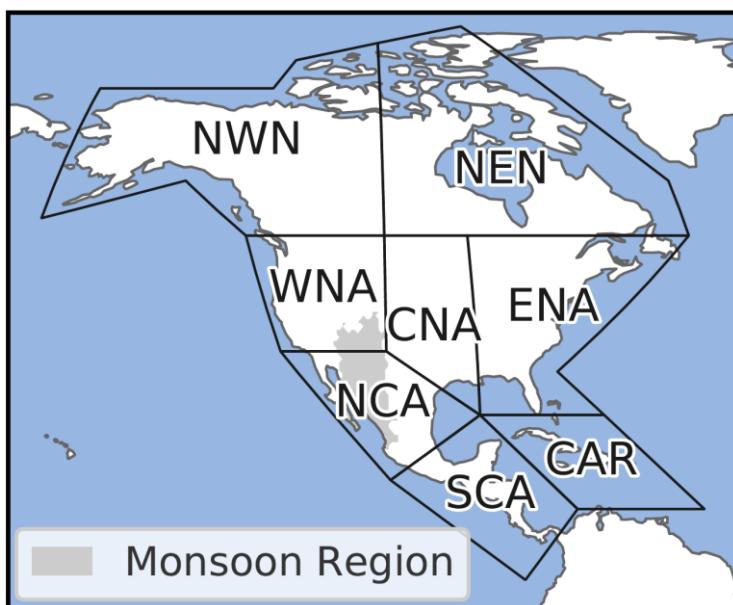


## Northern North America (NWN and NEN)

- Temperature increases **are projected** to be very large compared to the global average, particularly in the winter (*high confidence*).
- Will experience** annual precipitation increases (mean and extremes, *high confidence*) and in December–February (*likely*) snow amount in far northern parts of sub-regions (also see Introduction and Polar Fact Sheets).

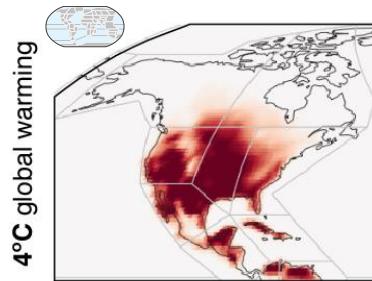
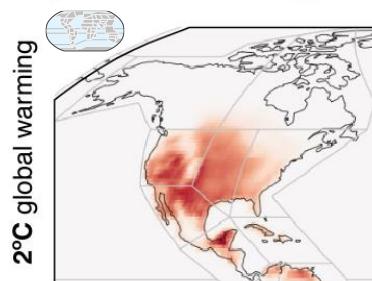
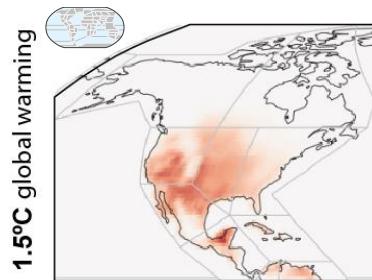
## Central and Western North America (CNA and WNA)

- Increases in drought and fire weather in WNA and CNA **in observations**, and these increases **will continue** in the future, particularly at higher warming levels (*high confidence*, but *medium confidence* for fire weather in CNA)
- Projected** increase in extreme precipitation (*very likely*)
- Projected** increase in river and pluvial flooding (*medium confidence*)
- Projected** increases in precipitation in northern part of CNA in winter (*medium confidence*).



## Eastern North America (ENA)

- Increases** in mean and extreme precipitation (*very likely*).
- Expected** increase in river and pluvial flooding (*medium confidence*)



**Projected changes in number of days with daily maximum temperatures over 35°C in summer at 1.5°C, 2°C, and 4°C (in rows) global warming relative to 1850-1900.**

Based on CMIP6 using the SSP5-8.5 scenario to compute the warming levels.

**Results expanded in the Interactive Atlas (active links)**



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

## Northern, Southern Central America and Caribbean (NCA, SCA, and CAR)

- Anticipated** decrease in NA Monsoon precipitation (*medium confidence*).
- Mean annual and summer precipitation **is likely to decrease**, throughout the sub-regions but with large uncertainty regarding amount.
- Observed** increase in droughts in NCA, SCA, and CAR, and these **will continue** in the future (*high confidence*).
- Fire weather **is projected to increase** in NCA (*high confidence*) and SCA (*medium confidence*).
- Projected** temperature increases **will be similar** to the global mean change in Central America, but less than the global mean in CAR.

## Links for further information:

Common Changes Box: TS.4.3.1, TS.4.3.2.6

Central and Western North America: TS.4.3.2.6, Table TS.5, Atlas.9.5, 12.4.6

Northern North America: TS.4.3.2.6, Atlas.9.5, 12.4.6, 12.4.9

Eastern North America: Atlas.9.5, Table TS.5, 12.4.6

Northern, Southern Central America and the Caribbean: TS.4.3.2.4, TS.4.3.2.6, TS.4.3.2.7, Atlas.9.5, Atlas.10.5, 12.4.4, 12.4.6 and 12.4.7