





















Prediction of Future Warming

□ If the atmospheric level of greenhouse gases continue to rise at the present rate, climate models predicts:

U Very Probable

- ✓ Global surface temperature will warm up 0.5-2°C over the period 1990 to 2050.
- ✓ Global sea level will rise by 5 to 40 cm by 2050.
- \checkmark Global precipitation will increase
- \checkmark Arctic land areas will experience wintertime warming



Prediction of Future Warming

Derobable

✓ Rainfall will increase over the high latitude of the northern hemisphere, but will decrease in the midlatitude of northern hemisphere continents.

□ Uncertain

- \checkmark We are not sure how climate will change in small regions
- \checkmark We are not sure how the frequency of El Nino will change
- ✓ We are not sure how hurricane, flood, and drought will respond to global warming

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