

Rises of temperature and sea level

2. Outline of the IPPC AR4 Report

- -<u>Temperature is expected to rise by about 0.2</u> per decade in the next 20 years.
- -Global average surface temperature is expected to rise by 1.8 to 4.0 in 100 years' time from now.
- -Global average sea level is expected to rise by 18 to 59 cm in 100 years' time from now.
- -<u>Global warming and sea level rise will continue over several centuries</u> even if green-house gas emissions are controlled.



• Average sea level

Source: Data prepared by the River Bureau based on the IPCC AR4 WG1 Report

· Rises of average temperature and sea level at the end of the 21st century

	Society achieving both global environmental protection and economic development	Society achieving high economic growth dependent on fossil energy sources
Temperature rise	About 1.8 (from 1.1 to 2.9)	About 4.0 (from 2.4 to 6.4)
Sea level rise	Sea level rise	26~59cm

-Solid lines indicate rises of global average surface temperature in each scenario identified using multiple models.

-Shaded areas indicate the range of standard deviations of average annual temperature for each model.

Source: IPCC AR4 WG1 Report