

**Climate topics that were elaborated upon in each of the six Global Climate System Reviews**

<b>FIRST</b>	<b>SECOND</b>	<b>THIRD</b>	<b>FOURTH</b>	<b>FIFTH</b>	<b>SIXTH</b>
ENSO	Simplified planetary climate system	Monsoon (Asia)	ENSO; box on El Niño	ENSO	ENSO
Ocean-atmosphere coupling	Time scales of climate change	Monsoon (Africa)	Uncertainty in detecting greenhouse effect	Pacific/North American Pattern (PNA)	East Atlantic/Western Russia pattern (EATL/WRUS)
Mid-latitude teleconnection	Tropical-extratropical interactions	Trace gases	Free atmosphere temperature variations	West Pacific Osc. Pattern(WPO)	NAO
Climatology of African Region	ENSO, and triggers and precursor events	Stratospheric ozone depletion	Drought	North Atlantic Osc. (NAO)	Global Impacts of ENSO
Climatology of Southern Hemisphere	ENSO and world-wide regional precipitation response	Atmospheric aerosols	Monsoon	Eurasian Teleconnection Pattern (EU)	Calculation of hemispheric and global temperatures and estimation of sampling errors
Volcanos & solar irradiance	African drought history	Atmospheric blocking processes	Tropical cyclones	Mt Pinatubo	Comparison of Upper Air and surface temperature trends
CO <sub>2</sub>	Madden-Julian Oscillation (MJO)	Great Lakes water levels	Tornadoes	Precipitation variability and data access	Temperature anomaly percentiles
Ozone	Monsoon system	Global sea level	Stratospheric ozone	Global Precipitation Climatology Centre	The North American Monsoon system
ENSO & Earth rotation changes	Atlantic tropical cyclones and ENSO	Desertification	Greenhouse gases	Reference periods/climatic normals	Sea ice and sea ice motion; ice shelves
	Quasi-biennial Oscillation (QBO)	Solar cycle variations in the atmosphere	Kuwaiti oil fires impact: regional, not world, climate	Floods/flash floods	Arctic Climate System Study (ACSYS)

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	Greenhouse gases		Mt Pinatubo eruption	Monsoons	Spring snow and climate change
	CO2 and photosynthesis		Snow cover, sea ice	Cyclone warnings in India	Glacier monitoring
	Ozone "hole"		World Ocean Circulation Experiment (WOCE)	Trends in storminess	Permafrost
	Trends in snow cover, sea ice		Forest depletion and desertification	Biological systems (crops, brushfires, fisheries)	Insurance losses
	Air pollution, water quality and health		The 1980s—a Remarkable Decade for Climatology	TOGA Tropical Atmosphere Ocean (TAO) and the TAO Array	Climate and human health
	Atmospheric angular momentum and earth rotation changes			WOCE	Ocean circulation (thermohaline, Labrador, temperature and salinity changes)
	Changes in solar radiation			Global Ocean Observing System (GOOS)	Space-borne altimetry of sea level
	Geomagnetic "Jerk"			Ozone	WCRP CLIVAR
				Tropical-Extratropical interactions in the Southern Hemisphere	Trace gases and ozone

**Topics of same color relate to the sequential sections of the Sixth GCSR:**

Global Circulation and Ocean Interaction	Temperature and Precipitation	Drought	Flooding	Monsoons
Storms	Cryosphere	Biological systems	Oceans	Trace gases and ozone

