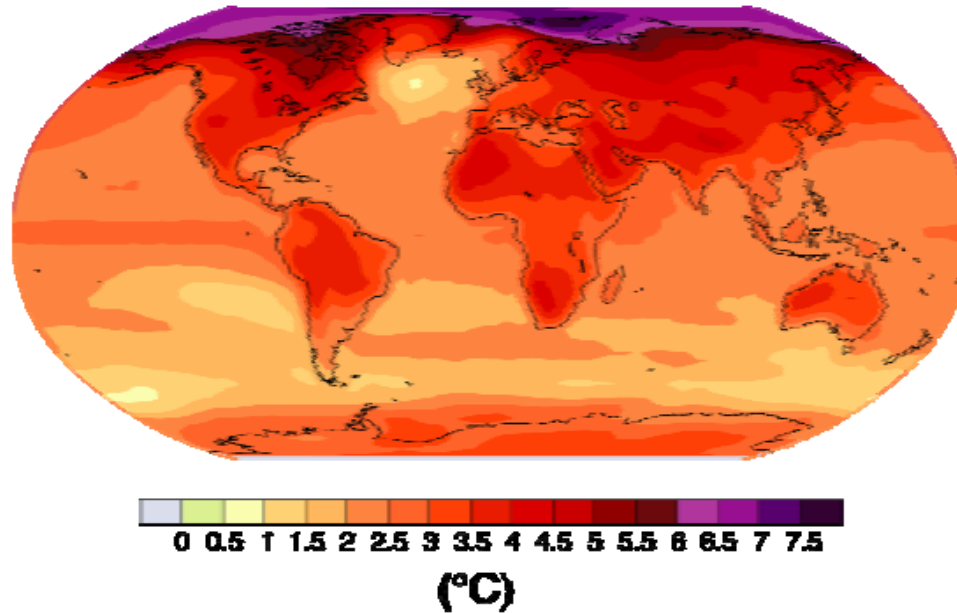


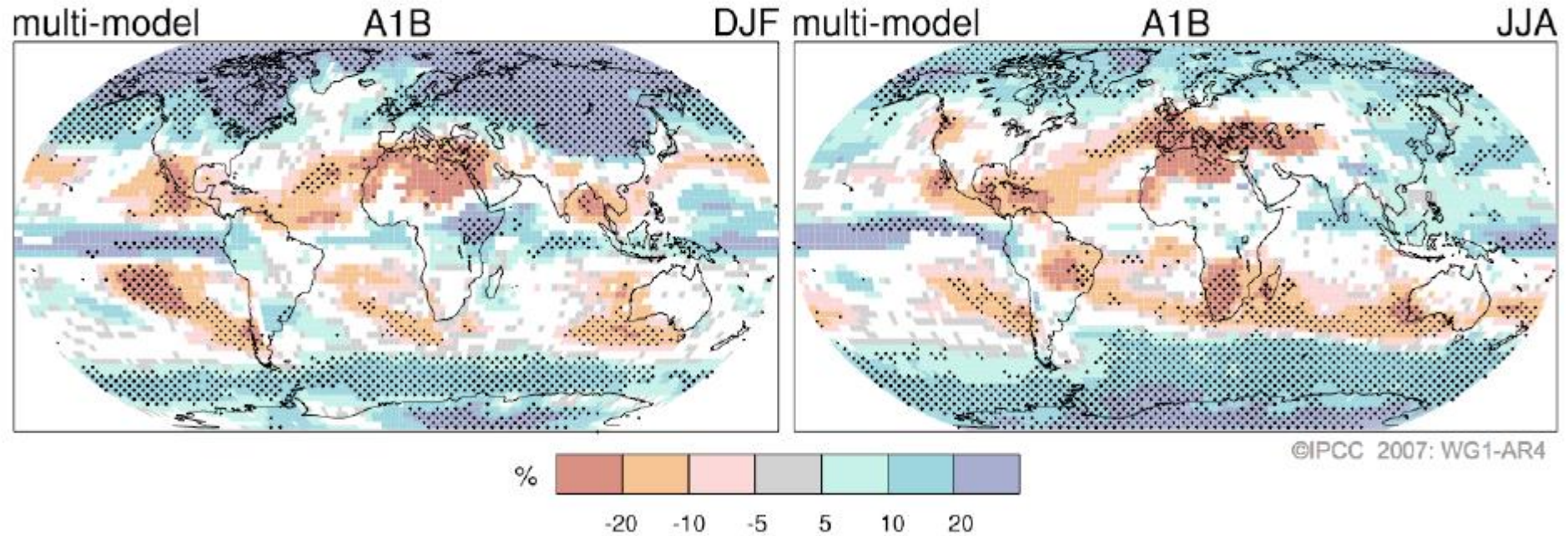
Projected temperature changes

Geographical pattern of surface warming



Projected surface temperature changes for the late 21st century (2090-2099). The map shows the multi-AOGCM average projection for the A1B SRES scenario. All temperatures are relative to the period 1980-1999.

Projected rainfall changes



~ end 21st century

Climate change and biodiversity

- Change in the ranges of species
- Shifts in migration timing and patterns
- Extinction of species
- Changes to vegetation cover
- Changes to rainfall, runoff
- Change in water quality
- Changes in pests, diseases, alien organisms
- Changes in sea level, saltwater intrusion



Climate change - Asia

- Freshwater availability projected to decrease
- Coastal areas at greater risk - increased flooding
- Pressures on natural resources and the environment to be compounded...[food security, pests,
- Morbidity and mortality due to diarrhoeal disease (floods, droughts) expected to rise due to change in hydrological cycle



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What to do? How much can we lose before collapse of life support systems?

- Essential to increase our resilience
 - Reduce impacts on species and ecosystems - habitat fragmentation/ destruction, over-exploitation, pollution, alien species, desertification, acidification, salinization...
 - More efficient use of natural resources
 - Make sure we provide for flood setback lines
 - Improve management of catchments, wetlands
 - Expand reserve systems, taking into account longer term shifts in plant and animal distributions, natural disturbance regimes
 - Keep viable, dispersed populations of species to minimize impacts of localized catastrophic events
 - Restore degraded ecosystems to promote better function