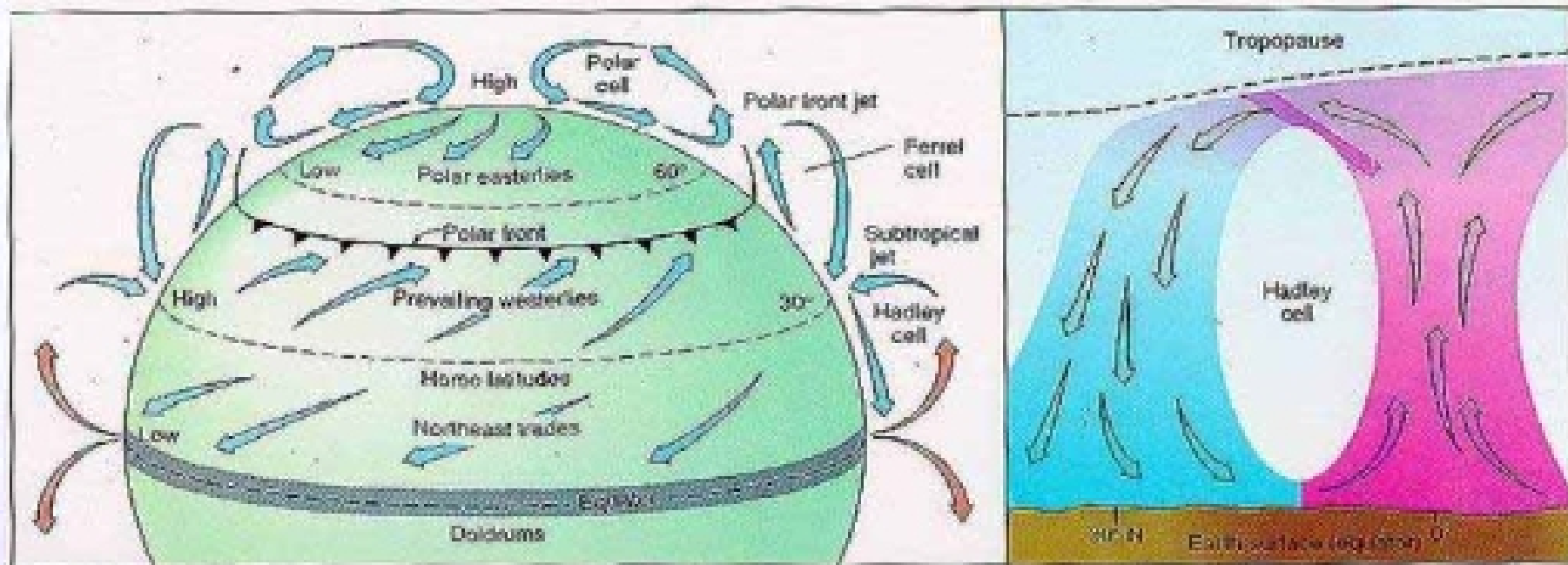


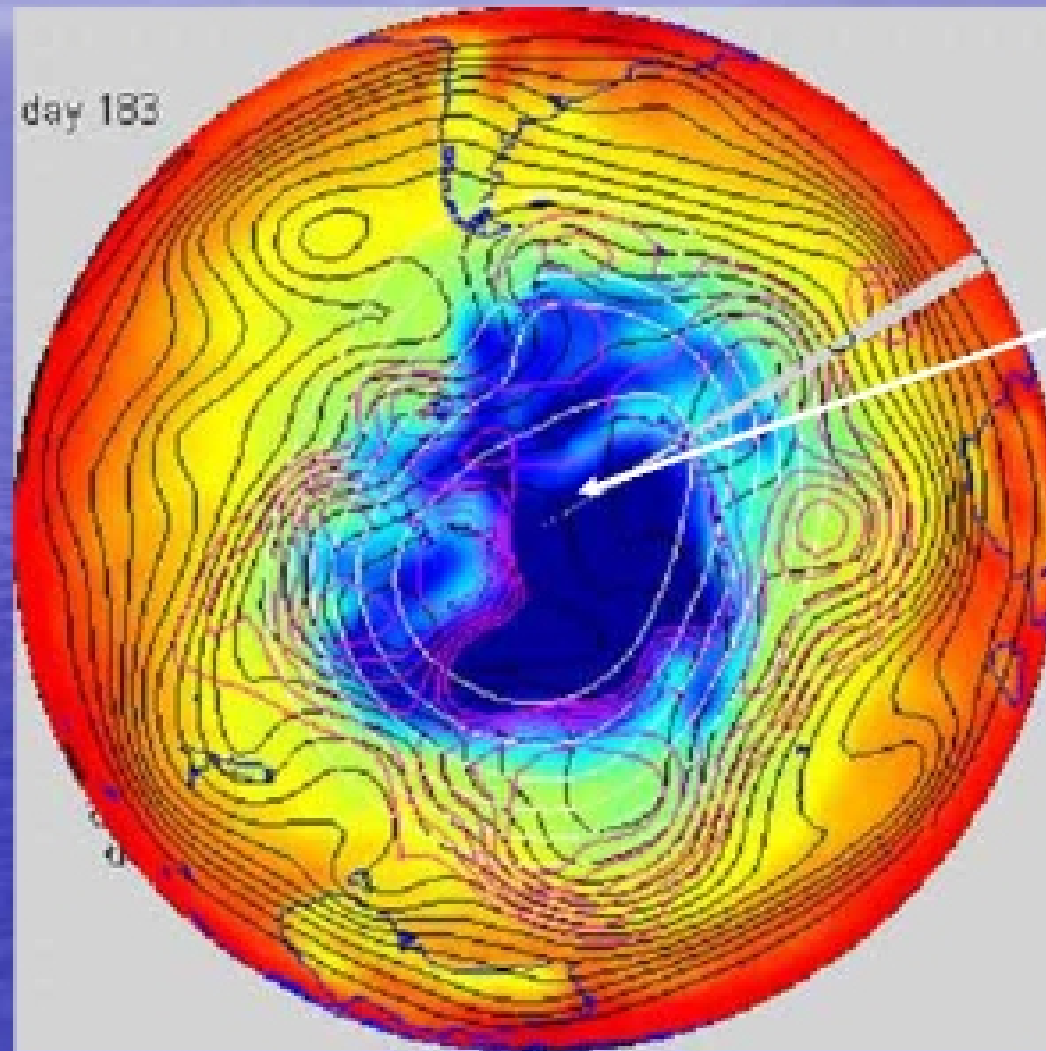
# Lecture 10:

- (1) an example of human impacts on global climate:  
the ozone hole
- (2) end of oil: alternative energy sources



# The atmospheric circulation above the South Pole

surf. temp, 1000mb, 300mb, 30mb dynamic height



'polar vortex'