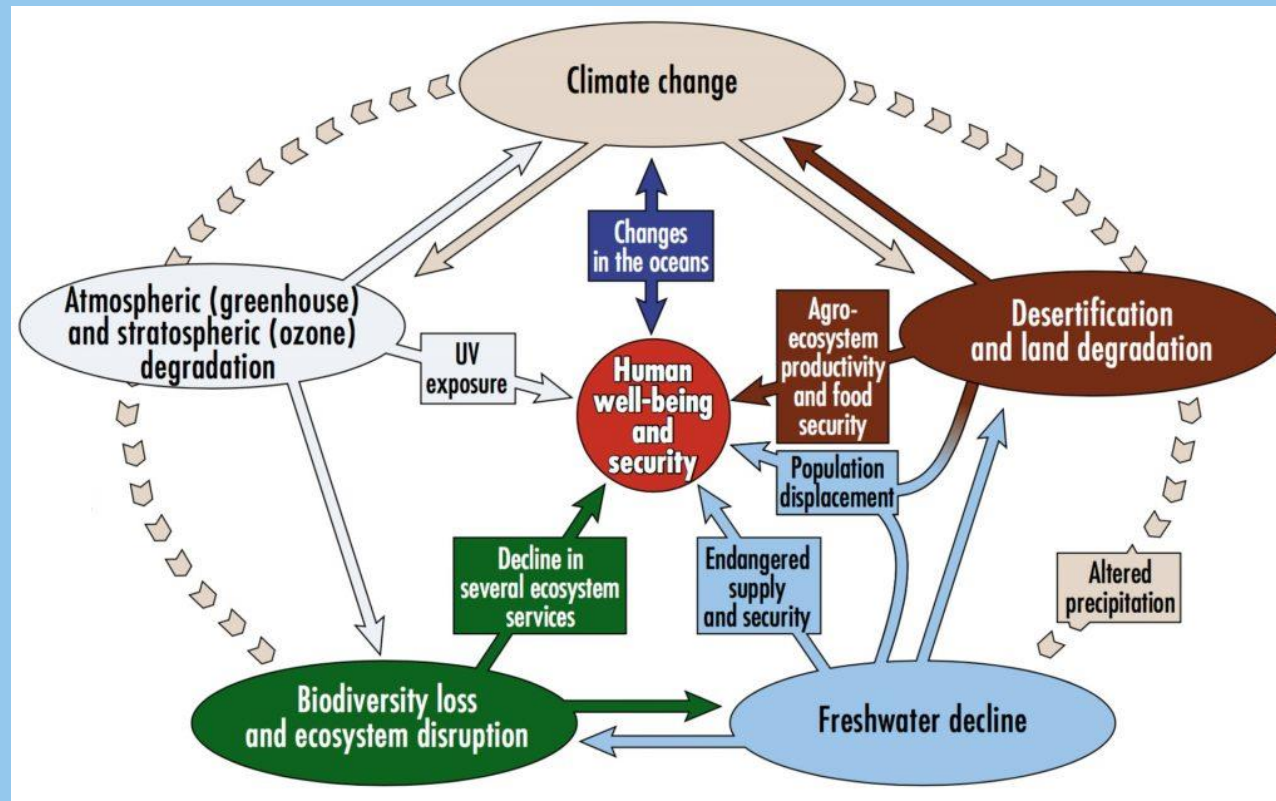


Applying International Studies Theories to Examining Global Environmental Problems

Lecture 16

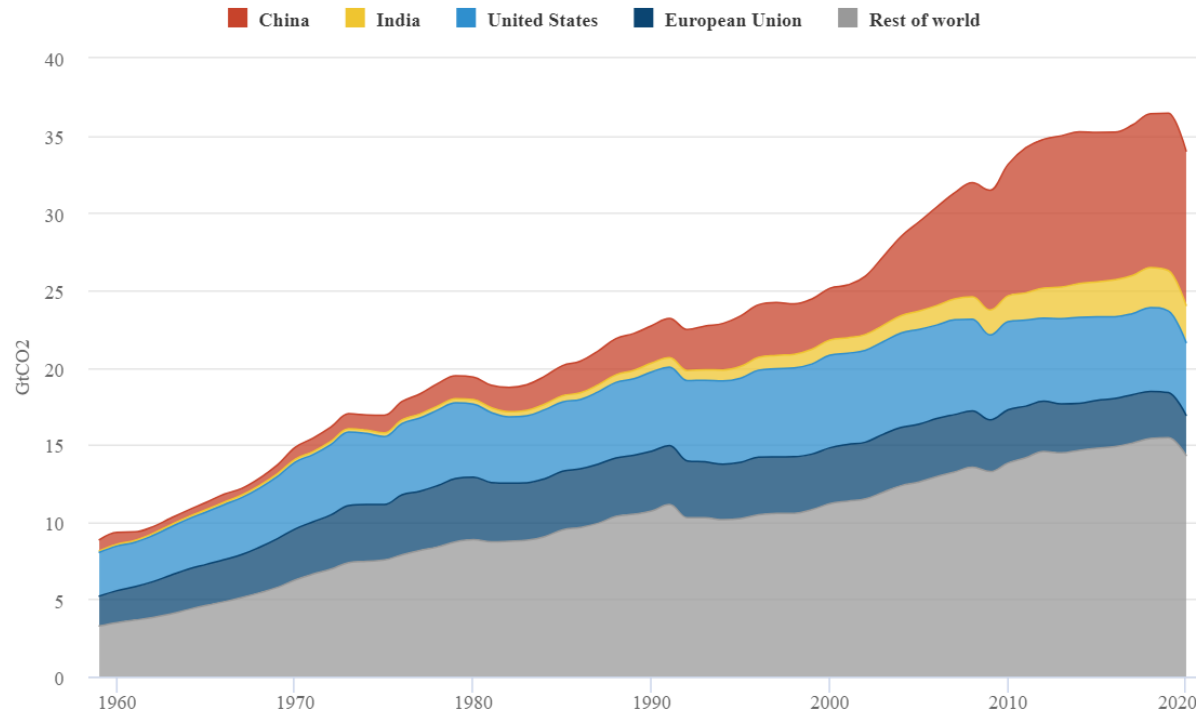


Outline

- Public Goods and Public Bads
- Global Environmental Collective Action Problems
- Global Climate Change

Public Good/Public Bad

Global CO2 emissions from fossil fuels by region, 1959-2020



<https://www.carbonbrief.org/global-carbon-project-coronavirus-causes-record-fall-in-fossil-fuel-emissions-in-2020>

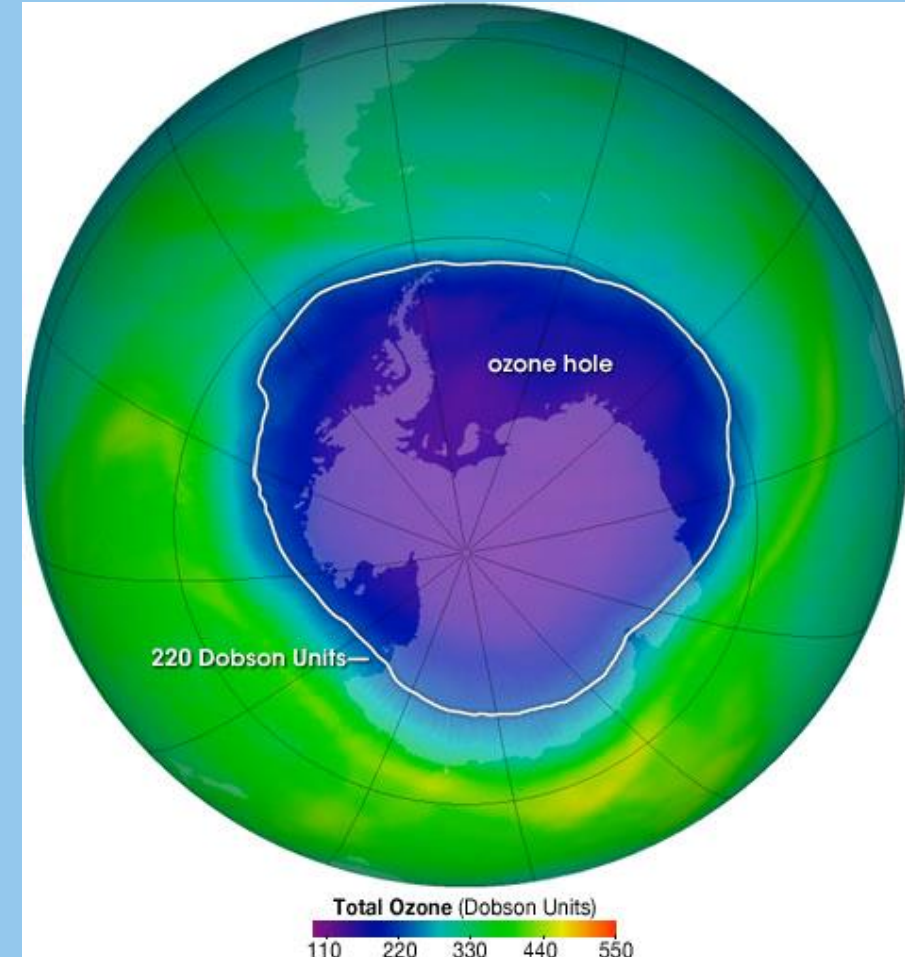
<https://www.usip.org/publications/2021/02/how-biden-administration-can-revive-un-peacekeeping>

Global Environmental Collective Action Problems



Deforestation in the Amazon, Brazil.
A deforested area near Novo Progresso
in Brazil's northern state of Para.

<https://www.wired.com/2015/04/using-smart-satellites-to-monitor-deforestation-from-space/>

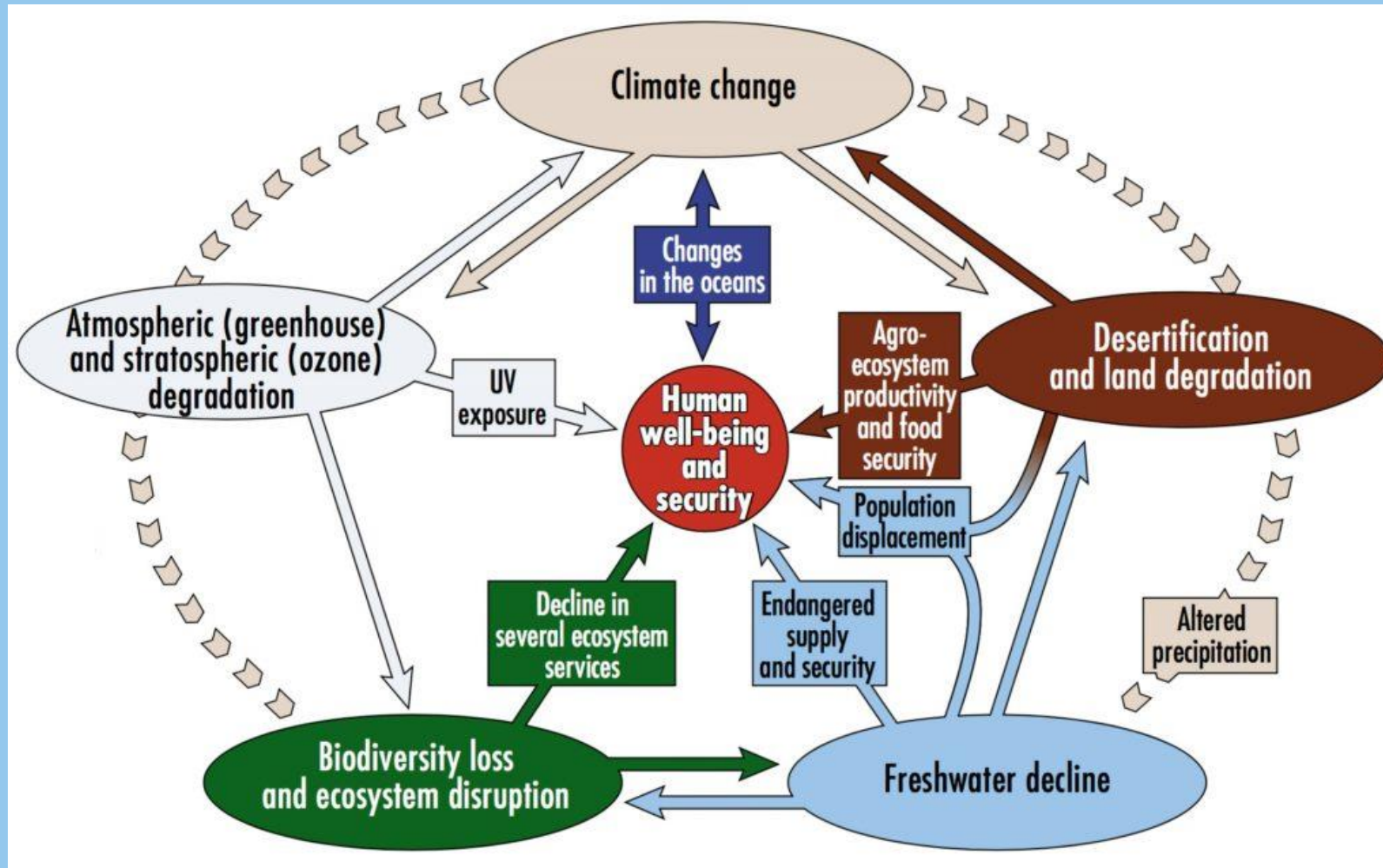


https://ozonewatch.gsfc.nasa.gov/facts/hole_SH.html

The ozone hole is the region over Antarctica with total ozone of 220 Dobson Units or lower. Ozone hole on October 4, 2004. The data were acquired by the [Ozone Monitoring Instrument](#) on NASA's [Aura](#) satellite.

Complex Problems: Climate Change

- Clark, WR; Golder, M; Golder, SN. 2018. Principles of Comparative Politics. Third Edition. Sage/CQ Press. Washington DC. (p. 100-110.)



The Challenge of Global Environmental Change

The institutional structure of the climate change regime at the time of writing [2017].

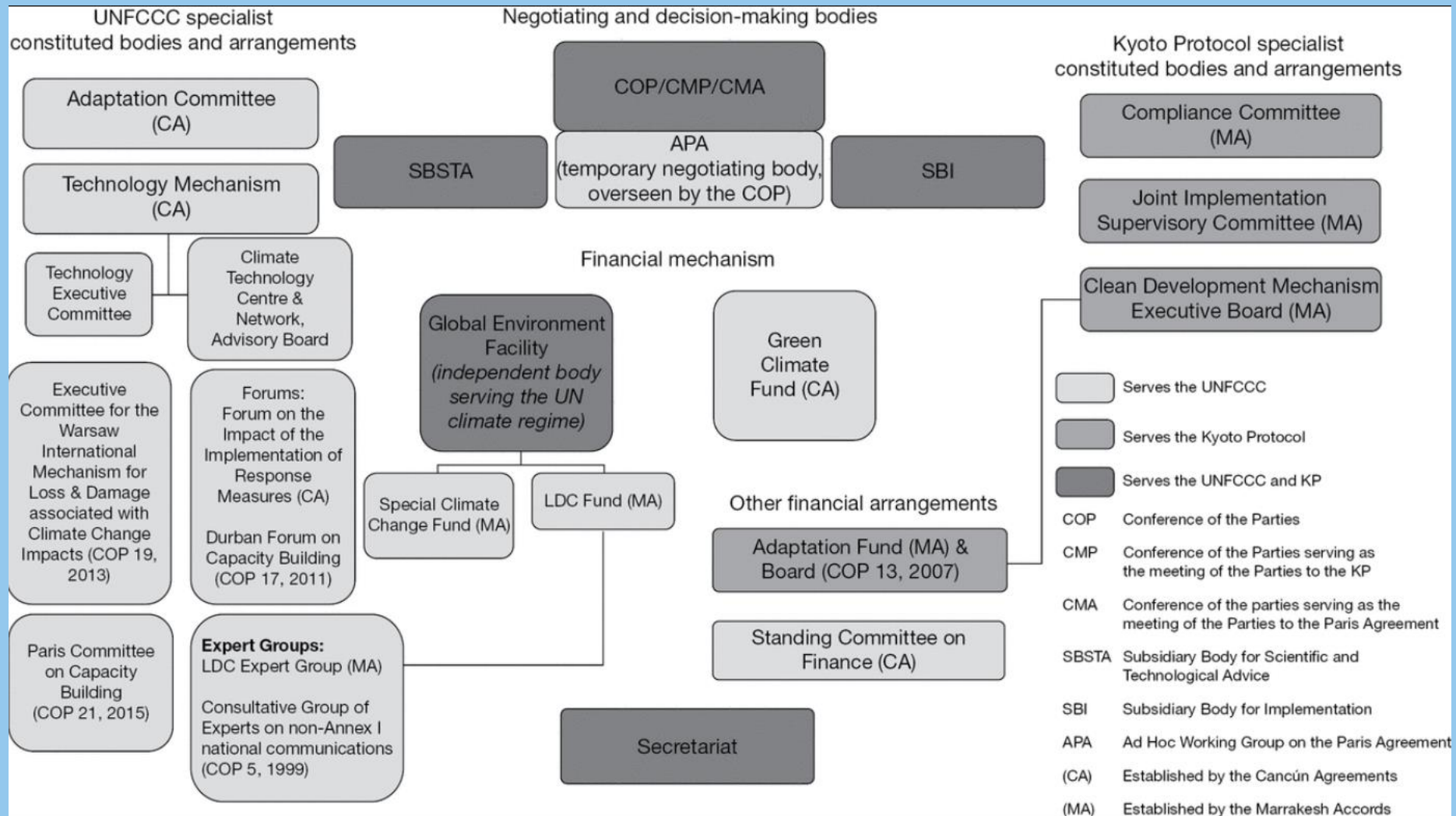


Figure 2.1 from Depledge, Joanna; Higham, Andrew. 2017. Part I Introductory Chapters, 2 Foundations for the Paris Agreement. In *The Paris Agreement on Climate Change: Analysis and Commentary*. Daniel Klein, María Pía Carazo, Meinhard Doelle, Jane Bulmer, Andrew Higham (Eds.). Oxford Scholarly Authorities on International Law

Major Global Environmental Treaties from Steger.

Table 5. Major global environmental treaties/conferences, 1972–2015

Name of Treaty/Conference	Coverage/protection	Date
UNESCO-World Heritage, Paris	Cultural and natural heritage	1972
UNEP Conference, Stockholm	General environment	1972
CITES, Washington, DC	Endangered species	1973
Marine pollution treaty, London	Marine pollution from ships	1978
UN Convention on Law of the Sea	Marine species, pollution	1982
Vienna Protocol	Ozone layer	1985
Montreal Protocol	Ozone layer	1987
Basel Convention	Hazardous wastes	1989
UN 'Rio Summit' on Environmental Climate Change	Biodiversity	1992
Jakarta Mandate	Marine and coastal diversity	1995
Kyoto Protocol	Global warming	1997
Rotterdam Convention	Industrial pollution	1998
Johannesburg World Summit	Ecological sustainability, pollution	2002
Bali Action Plan	Global warming	2007
UN Copenhagen Climate Summit	Global warming	2009
UN Cancun Climate Summit	Global warming	2010
UN Durban Climate Summit	Global warming	2011
UN Rio + 20	Sustainable development	2012
UN Paris Climate Summit	Climate change	2015