Global Warming Gridlock

EES 3310/5310
Global Climate Change
Jonathan Gilligan

Class #38: Friday, April 22 2022

Announcements

Lab Monday

- We will meet in Stevenson 6740 instead of Wilson Hall
- We will play a board game, "Energetic" about transforming New York City to using renewable energy.

Final Exam

- Take-home, essay format
 - I will post the exam to Brightspace on Friday April 29
 - Due (on Brightspace) Saturday, May 7 by 11:00 AM Nashville time
 - I recommend you read the exam shortly after I post it even if you won't start working on it until much later.
 - Give yourself a chance to think about it, ask questions if anything is unclear.

Rules

- Open book, open notes, use can use additional books, internet, etc.
- You must do your own work

Format

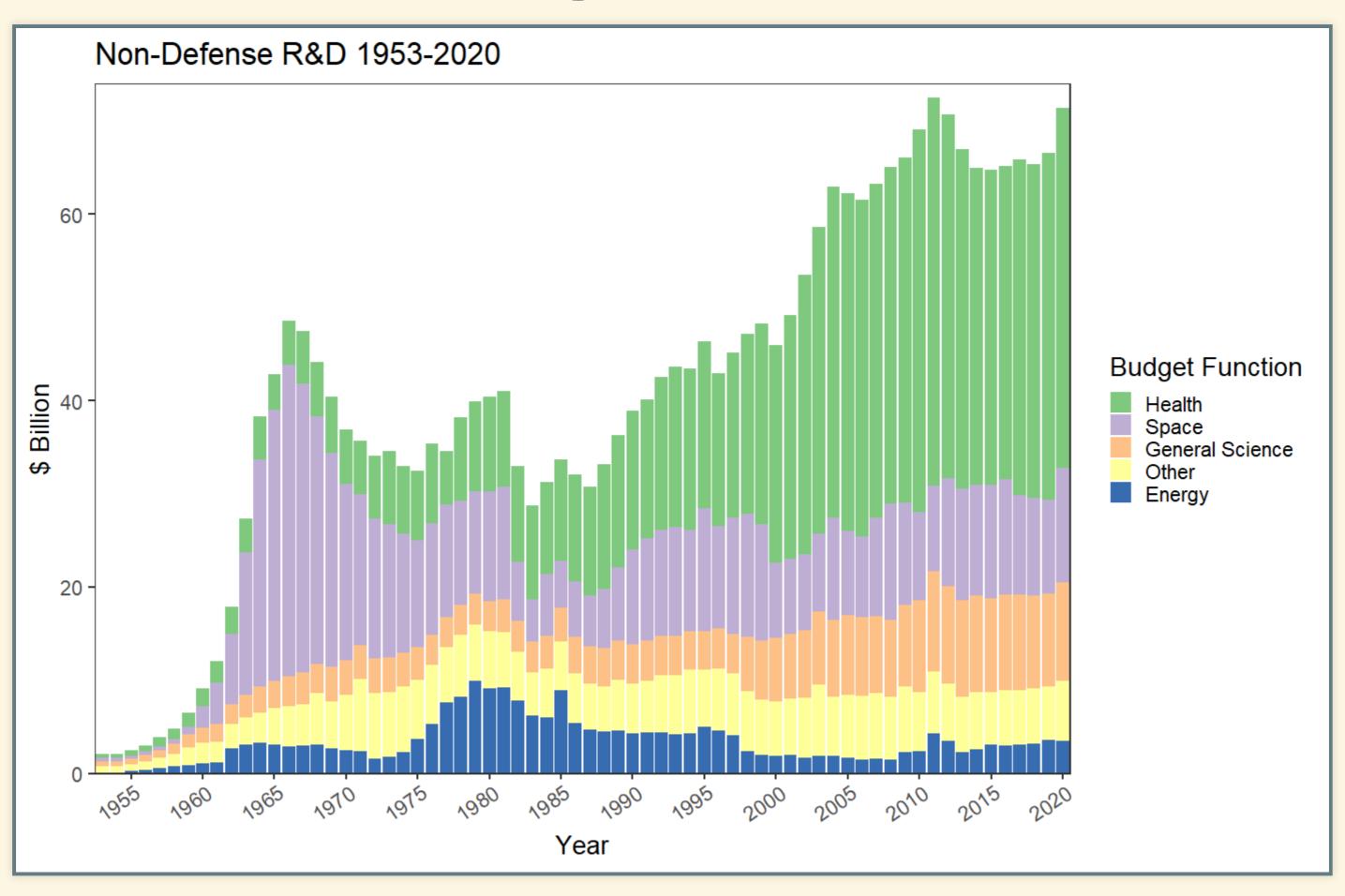
- Two short essays tying together material we have studied throughout the semester
 - The focus is about the big ideas we have studied, not little details
- Recommended length: about 1–2 pages single-spaced for each essay

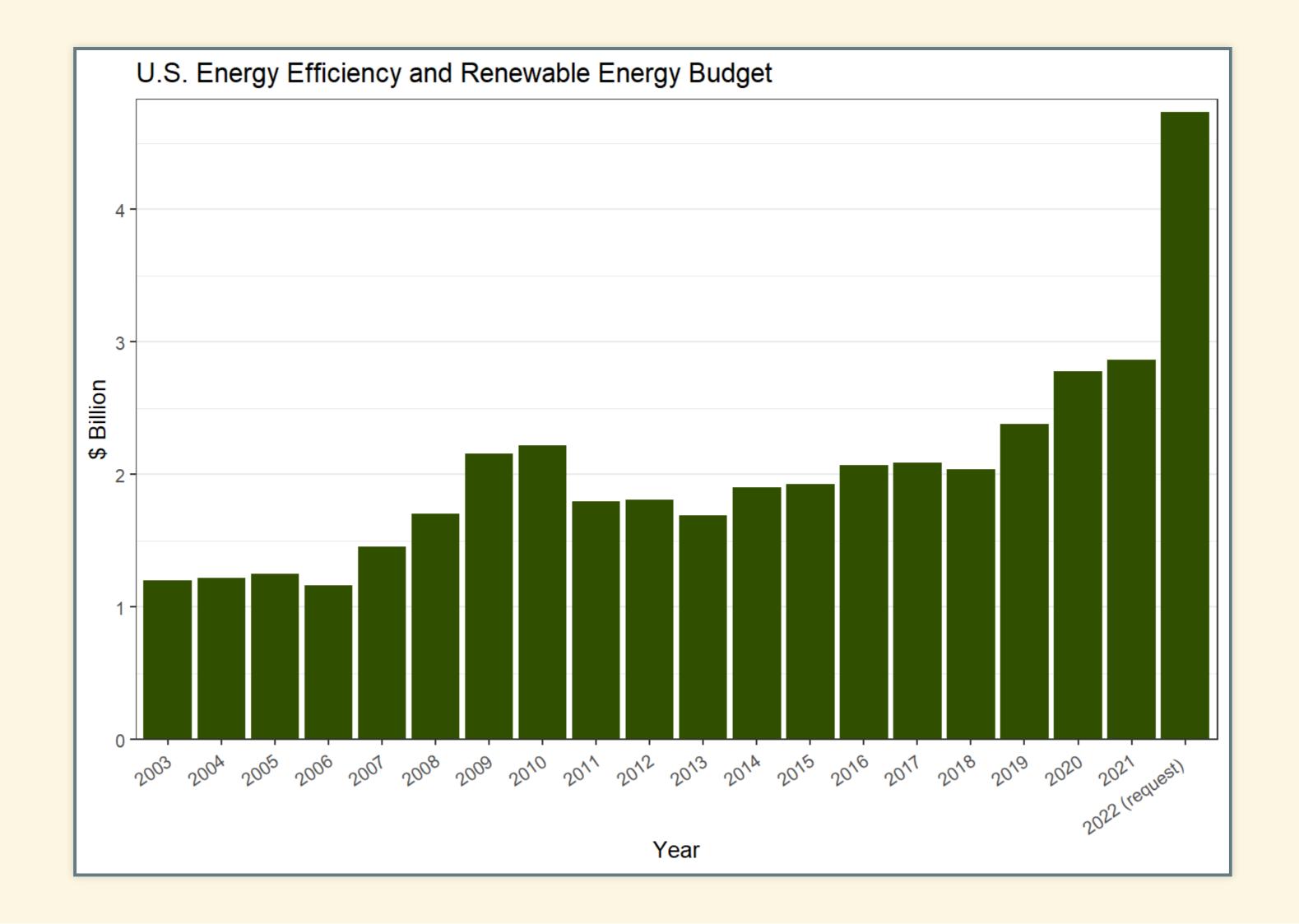
Gridlock

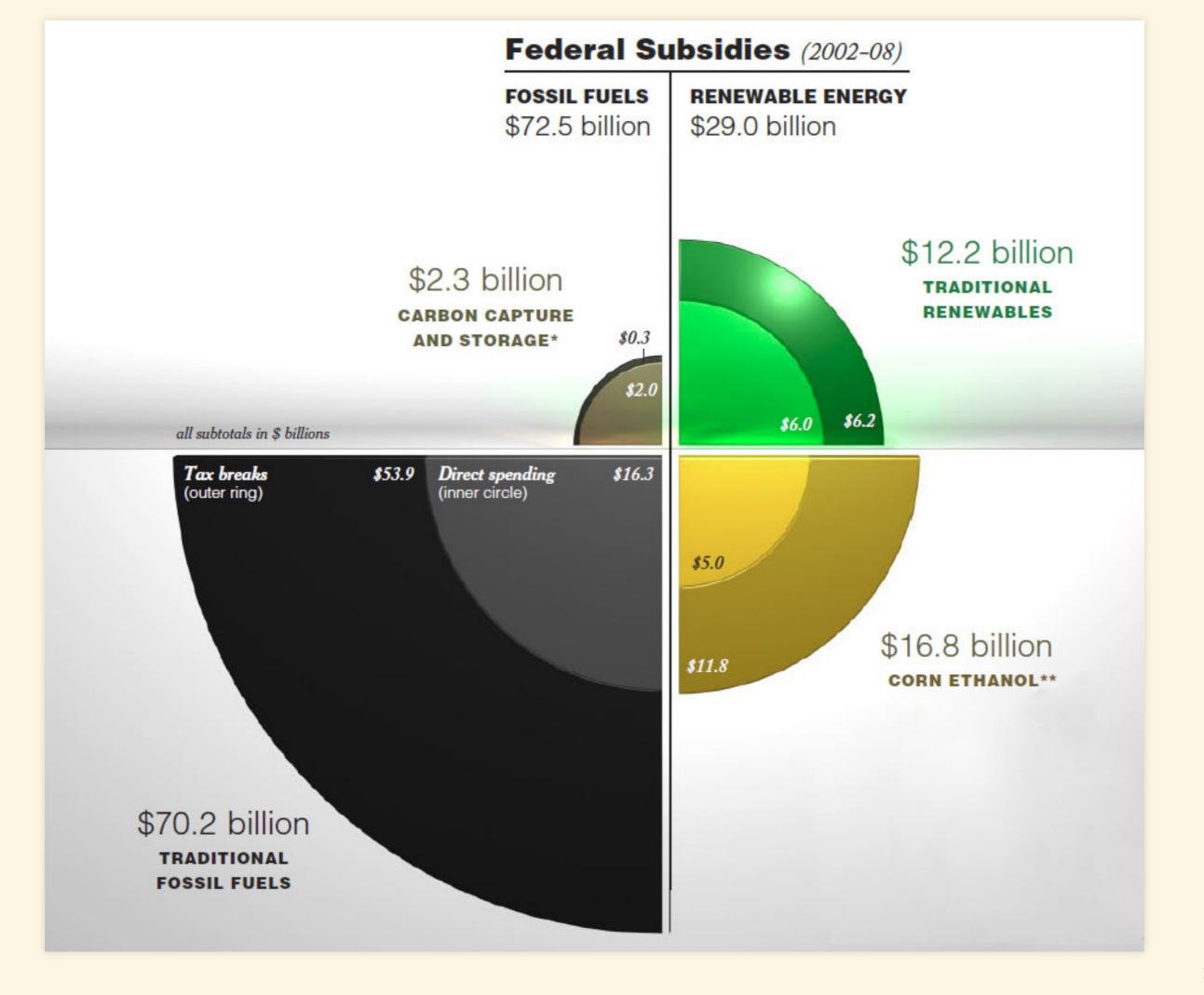
Gridlock: Basic Outline

- 1. Science: CO₂ is a "stock pollutant"
- 2. Three myths:
 - a. Scientists' myth: Science can us tell what policy should be
 - b. Diplomats' myth: Universal treaties
 - c. Engineers' myth: *RE* < *C*
- 3. Regulating emissions
 - Power, interests, capabilities
- 4. Investing in innovation
- 5. Bracing for change
- 6. New International Strategy

Investing in Innovation







Gridlock

Gridlock: Basic Outline

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- 5. Bracing for change
 - Adaptation, geoengineering
- 6. New International Strategy

Fairness & Justice

- Corrective Justice
- Distributive Justice

U.S. TO GIVE \$3 BILLION TO CLIMATE FUND TO HELP POOR NATIONS AND SPUR RICH ONES

By CORAL DAVENPORT and MARK LANDLER

NY Times, Nov. 15, 2014, p. A5

Republicans ... are working to block the administration from funneling federal dollars to developing nations so they can tackle climate change.

By AMY HARDER and KRISTINA PETERSON

The Wall Street Journal, Nov. 27, 2015

GROWING CLAMOR ABOUT INEQUITIES OF CLIMATE CRISIS

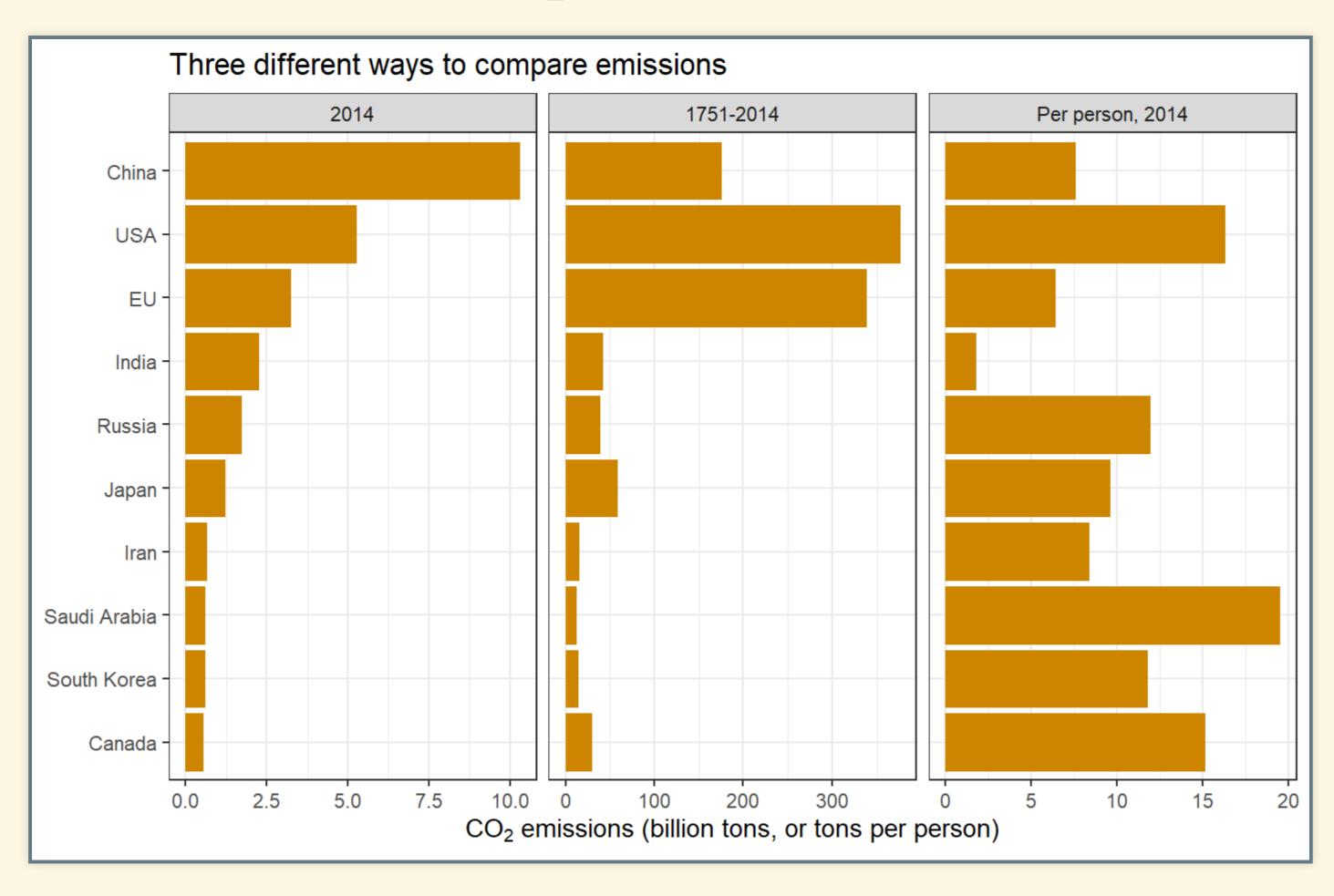
RESTITUTION DEMANDED

Typhoon Highlights Rift as Poor Nations Fault Rich for Damage

> By STEVEN LEE MYERS and NICHOLAS KULISH

NY Times, Nov. 17, 2013, p. A1

CO₂ emissions



12 Nations = 77% of emissions

- 1. China
- 2. **US**
- 3. **EU**
- 4. India
- 5. Brazil
- 6. Japan
- 7. Canada
- 8. Australia
- 9. Indonesia
- 10. S. Korea,
- 11. S. Africa,
- 12. Mexico

