

## Panel VI: Managing and Governing Complex Nature-Society Systems

- Moderator: **Robert O. Keohane** (NAS), Princeton University
- Panelists: **Michael Osterholm** (NAM), University of Minnesota  
*Responding to COVID-19 with science*  
**Harriet Bulkeley**, Durham University  
*Governing cities for climate and Nature*  
**Leah Stokes**, University of California, Santa Barbara  
*Understanding climate action in the United States*
- Discussant: **Chukwumerije Okereke**, Alex-Ekwueme Federal University



# Organization of Panel

Sessions Monday and Tuesday were organized by analytical approaches within broad themes: measurement, ethics, adaptation, transformation.

This session, by contrast, is focused on governance and organized by issue-area.

# Issues considered:

- The origins and spread of deadly viruses.

**Michael Osterholm**

*Responding to COVID-19 with science*

**Cities and urban complexity.**

**Harriet Bulkeley**

*Governing cities for climate & Nature*

**Climate change politics.**

**Leah Stokes**

*Understanding climate action in US*

# A Perspective from the Global South

- **Chukwumerije Okereke**
- There is no authoritative system of global governance.
- Global inequalities in wealth, power, and information availability are enormous
- What are the implications of these facts for effects of governance on the Global South and for the agency of people in the Global South?

# Common themes

- Focus is on *governance*: the establishment and operation of institutions and policy practices that shape social behavior through some combination of social norms, incentives, and coercion.
- Governance occurs *across scales* and *across sectors*. *Sustainability governance* seeks to manage intertwined social, ecological, and technical issues.

# Key Questions for our panel from other panels (1)

- From Panel 1: How do we use better measurement as a basis for doing a better job of managing our affairs in your issue-area?
- From Panel 2: Under what conditions do socio-technical-ecological innovations in your issue-area challenge or only reproduce power relations?

# Key Questions for our panel from yesterday's panels (2)

- From Panel 3: What are the major political, economic, and value conflicts among different agents at different levels in this domain?
- From Panel 4: How resilient are the regulatory networks in this issue-area and how does resilience vary when one moves from rich countries to the global scale?

# Presentations and Questions

- 10:05-11:00. Presentations and Commentary
- 11:00-11:10. Questions generated by other panels as above and panelists' responses.
- 11:10-11:25. Questions from participants and responses from panelists.