



# Teaching Climate Medicine at CU

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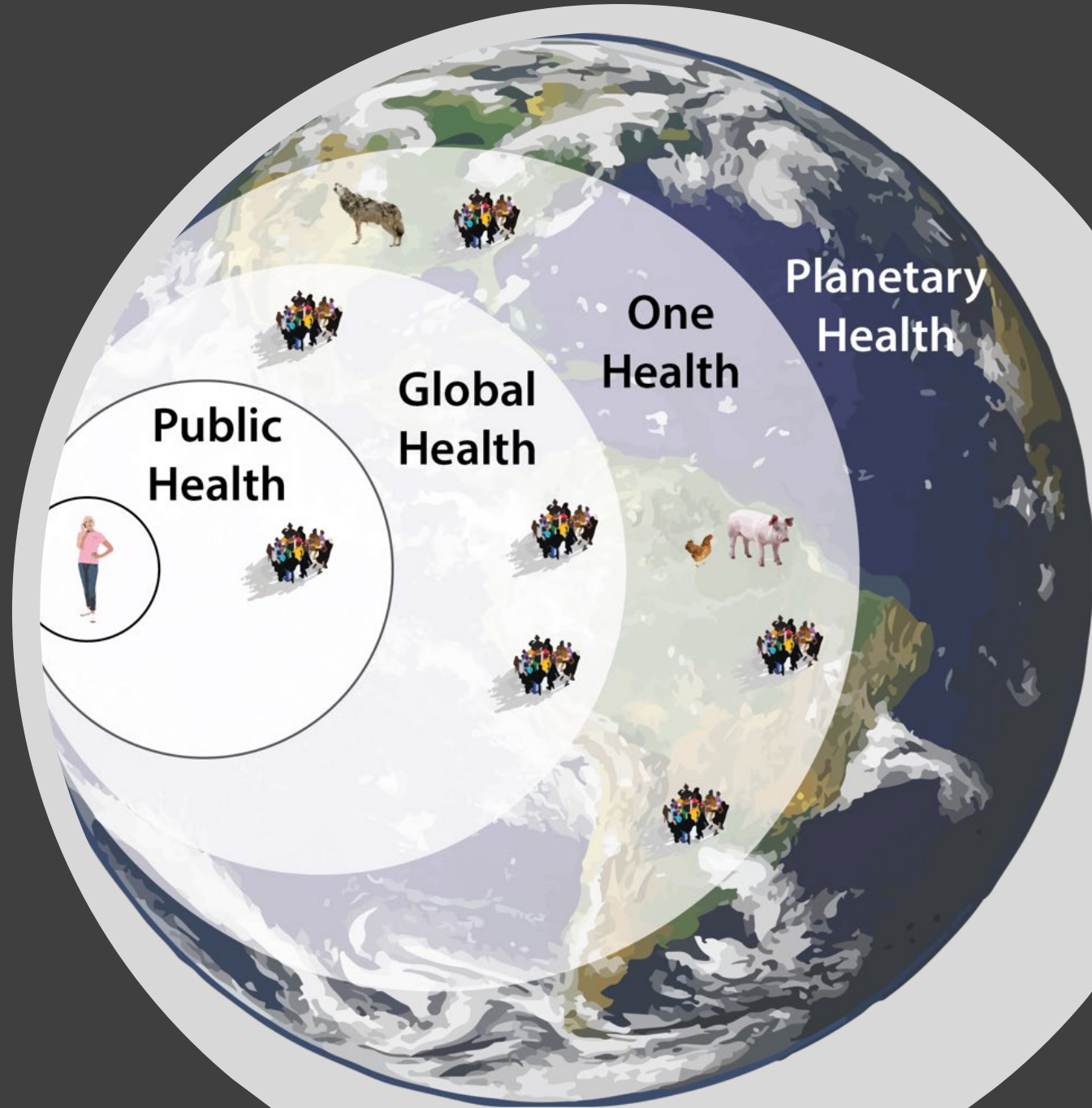
Co-director, Diploma in Climate Medicine



# Definitions:

- **Climate medicine** is a critical new approach that aims to educate and prepare health professionals, hospitals, and communities to manage the health impacts of climate change.
- **Planetary health** is “...a solutions-oriented, transdisciplinary field ... focused on analyzing and addressing the impacts of human disruptions to Earth’s natural systems on human health and all life on Earth”

Planetary health recognizes the health of the planet as a system.



APRIL 2022

# PLANETARY HEALTH REPORT CARD



2021-2022 SUMMARY REPORT  
AN INTERNATIONAL HEALTH STUDENT  
INITIATIVE

*Prepared by:*  
Medical students and faculty from 74 medical schools  
in the U.S., UK, Ireland, Canada, Germany, Malaysia, and Japan

## Needs assessment

# Frameworks for education



Global Consortium for Climate Health Education



Planetary Health Alliance



International Journal of Environmental Research  
and Public Health





- Structured
- Layered
- Flexible

# Sample (abridged) curricular map

Planetary Health Domains	
Knowledge and Analytical Skills	What is climate change, and what are its health impacts?
Clinical Practice	How do we manage climate impacts at the bedside, and in our hospital systems?
Public Health Practice	How do we manage underlying socio-ecological determinants of health?
Policy and Advocacy	How do we manage climate impacts at the population health level?
Communication and Collaboration	How do we do all of the above effectively

*Adapted from Core Competencies published by the GCCHE at Columbia University*

# Picture this...

Planetary Health Domain					
Knowledge and Analytical Skills	Pre-clinical				
Clinical Practice					
Public Health Practice					
Policy and Advocacy					
Communication and Collaboration					



# Picture this...

Planetary Health Domain					
Knowledge and Analytical Skills	Pre-clinical	Clinical			
Clinical Practice		Clinical -Bedside			
Public Health Practice					
Policy and Advocacy					
Communication and Collaboration					

# Picture this...

Planetary Health Domain					
Knowledge and Analytical Skills	Pre-clinical	Clinical	Residency		
Clinical Practice		Clinical -Bedside	Residency -Bedside -Health systems		
Public Health Practice					
Policy and Advocacy					
Communication and Collaboration					

# Picture this...

Planetary Health Domain					
Knowledge and Analytical Skills	Pre-clinical	Clinical	Residency	Fellowship	
Clinical Practice		Clinical -Bedside	Residency -Bedside -Health systems	Fellowship -Health systems	
Public Health Practice				Fellowship	
Policy and Advocacy				Fellowship	
Communication and Collaboration					

# Picture this...

Planetary Health Domain					
Knowledge and Analytical Skills	Pre-clinical	Clinical	Residency	Fellowship	CME
Clinical Practice		Clinical -Bedside	Residency -Bedside -Health systems	Fellowship -Health systems	CME -Health systems
Public Health Practice				Fellowship	CME
Policy and Advocacy				Fellowship	CME
Communication and Collaboration					

# Picture this...

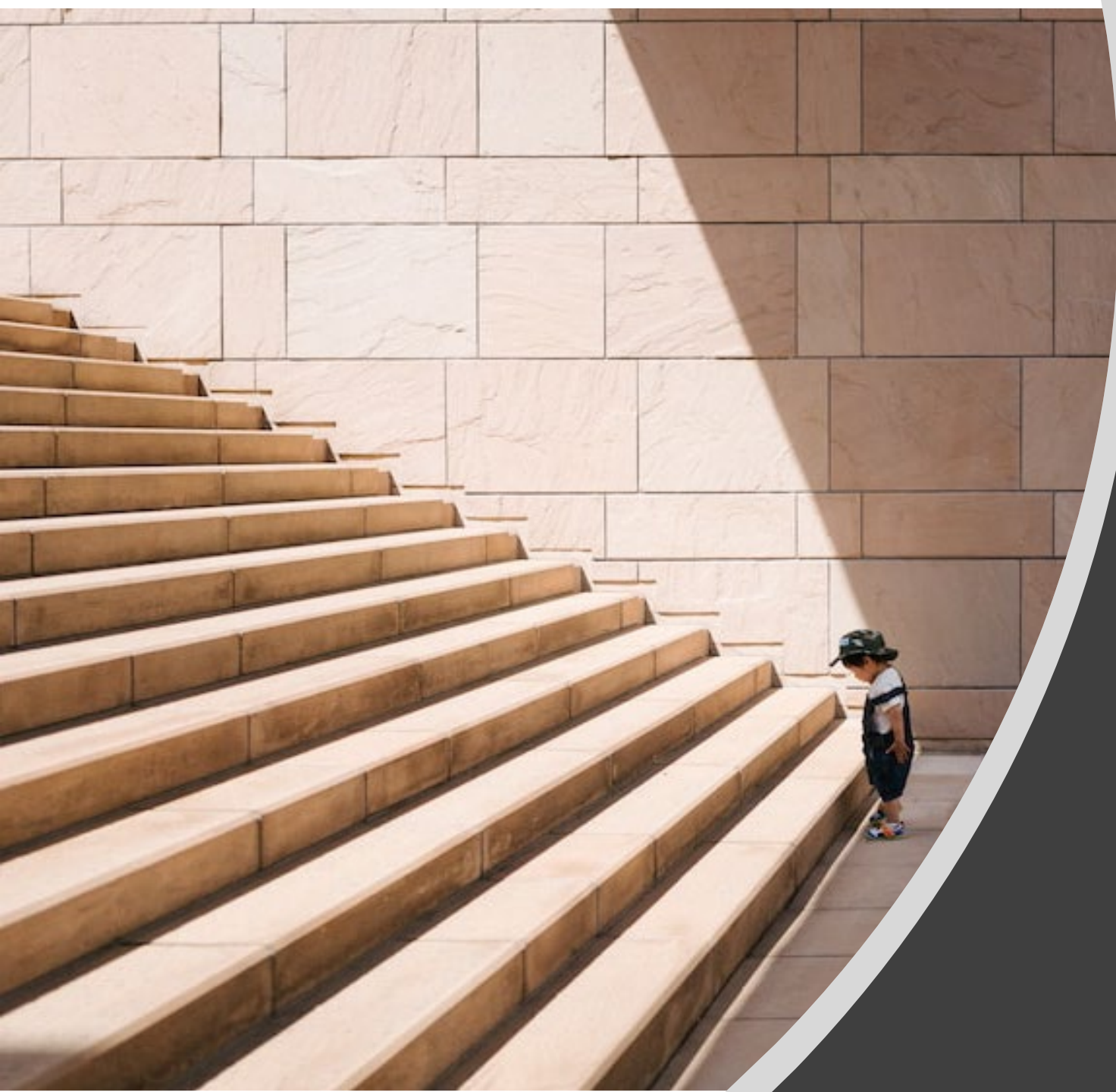
Planetary Health Domain					
Knowledge and Analytical Skills	Pre-clinical	Clinical	Residency	Fellowship	CME
Clinical Practice		Clinical -Bedside	Residency -Bedside -Health systems	Fellowship -Health systems	CME -Health systems
Public Health Practice				Fellowship	CME
Policy and Advocacy				Fellowship	CME
Communication and Collaboration	←All →				



# UME

- Elective course
- Curricular integration underway



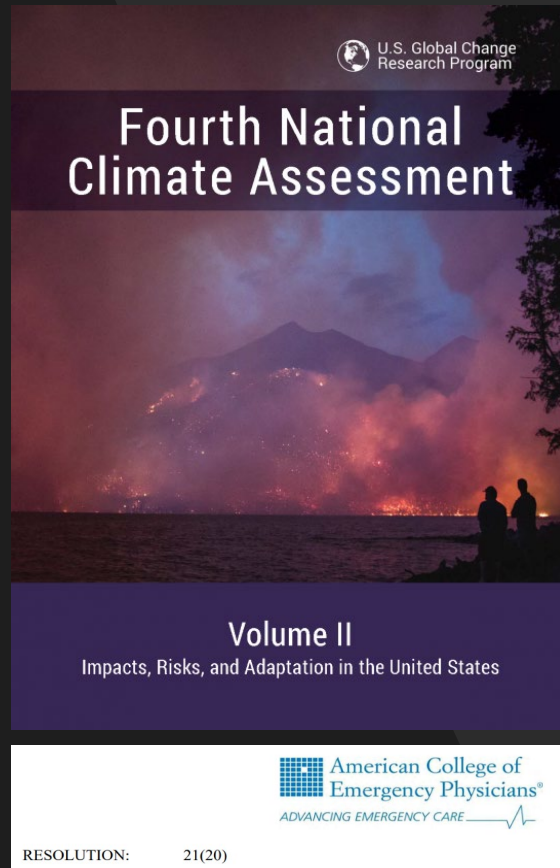


# GME - Residency



# GME - Fellowship

# Accomplishments







# CME

- Faculty development = rate limiting step for CCH education
- Ad-lib virtual resources from **Project Echo**, **GCHE**, **Medical Society Consortium**, and more.
- Here at CU...Diploma in Climate Medicine



# Diploma in Climate Medicine

- 5 Certificates:
  - Foundations and Updates in Climate Medicine
  - Developing Sustainable Hospital Systems
  - Disaster Response and Recovery
  - Community Resilience: Energy Innovation & Healthy Infrastructure
  - Global Challenges



**Rosemary Rochford, PhD**

- Professor, Immunology and Microbiology
- Co-Director, Climate & Health Program



**Jay Lemery, MD**

- Professor, Emergency Medicine
- Co-Director, Climate & Health Program



**Ceci Sorensen, MD**



**Caitlin Rublee, MD**



**Hanna Linstadt, MD**



**Beth Gillespie, MD**

- Assistant Professor, Internal Medicine
- Director, Undergraduate Medical Education
- Course Director, Climate Change & Health IDPT 8059

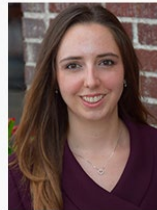


**Terry O'Connor, MD**

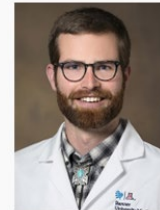
- Director, Diploma in Climate Medicine



**Caleb Dresser, MD**  
Harvard Fellow



**Emily Sbiroli, MD**



**Stefan Wheat, MD**

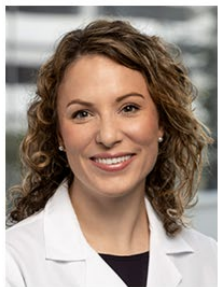


**Eric Balaban, MD**



**Margaret Power**

- Program Administration



**Caitlin Rublee, MD**

- Assistant Professor, Emergency Medicine
- Director, Graduate Medical Education



**George Lubet, PhD**

- Visiting Scientist, CU Climate & Health Program
- Visiting Professor at the Center for the Study of Human Health at Emory University

A growing  
team



Questions?

Thank you!

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