



# The role of behavioral medicine in combating climate change

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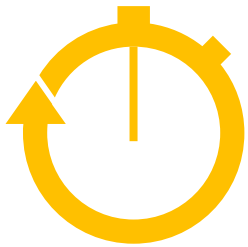
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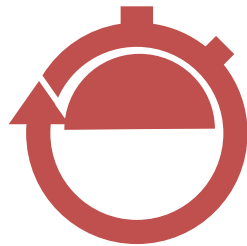
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## Ambitious Timeline



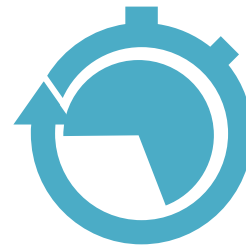
**Steering  
Committee**



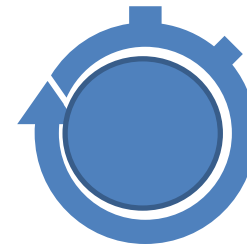
**June 18<sup>th</sup>:  
Survey  
Released**



**AUG 1:  
Survey  
Closed  
Data  
Analyses**



**Final Cluster &  
representative  
question  
selection by  
SC**



**Membership  
ranks  
importance  
of clusters**

# Steering committee members



Catherine  
Alfano,  
Ph.D., ACS



Lindsay  
Bullock,  
Executive  
Director, SBM



Andy Burnett,  
knowinnovation.co  
m



Cynthia Castro  
Sweet, Ph.D.,  
Omada Health



Joost Dekker,  
Ph.D., Univ of  
Amsterdam, ISBM



Bill Klein,  
Ph.D., NCI



Suzanne M.  
Miller, Ph.D.,  
Editor TBM



Alison Philips,  
Ph.D., Univ of Iowa



William  
Riley, Ph.D.,  
NCI

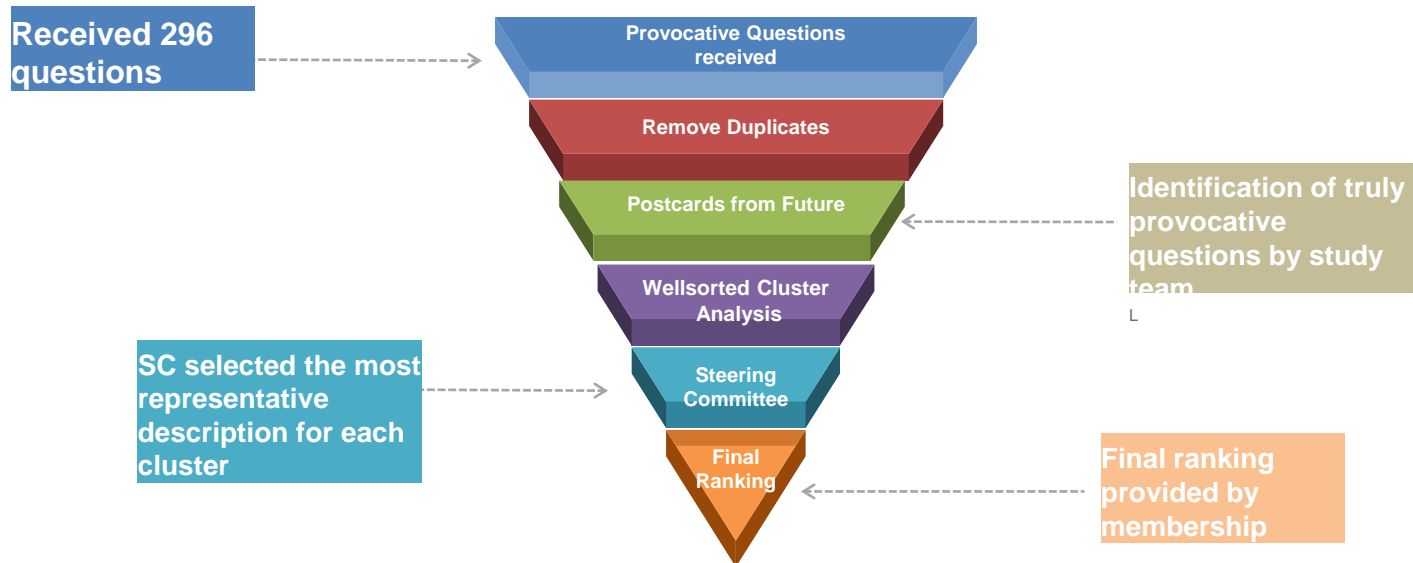


Rachel Shelton,  
Ph.D., Member  
Delegate



Michael Taitel,  
Ph.D.,  
Walgreens

## Generating ideas: A bottom-up process





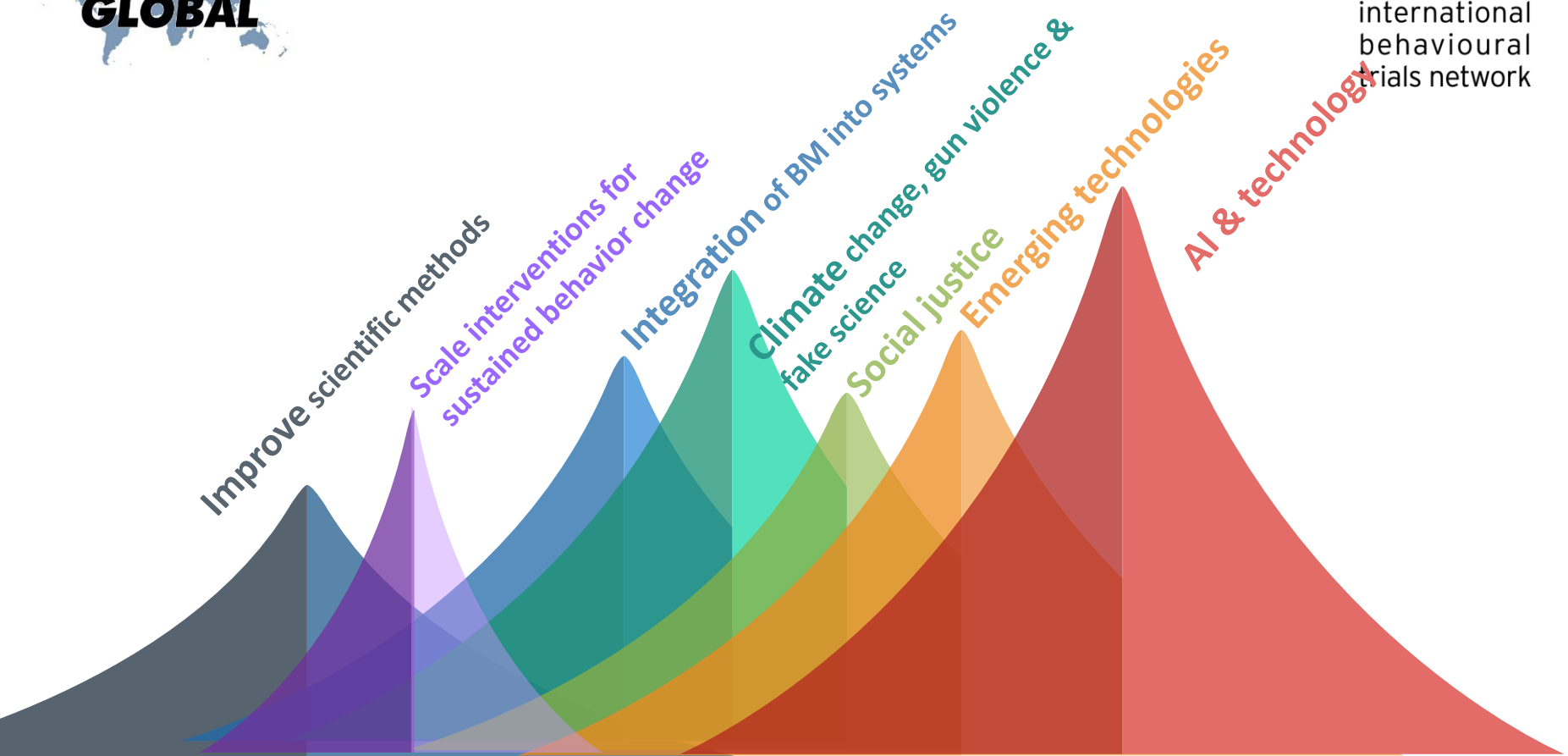


How should we regulate the future of transhumanism (the merging of organic human beings with machines or other technologies)?

Is technology and big data all it's meant to be? Or do we as behavioral scientists need advocate for the importance of "small" data?

How do we change a research paradigm that has failed to promote any population health impact based on the use of scientific experts and tired randomized control trial designs?



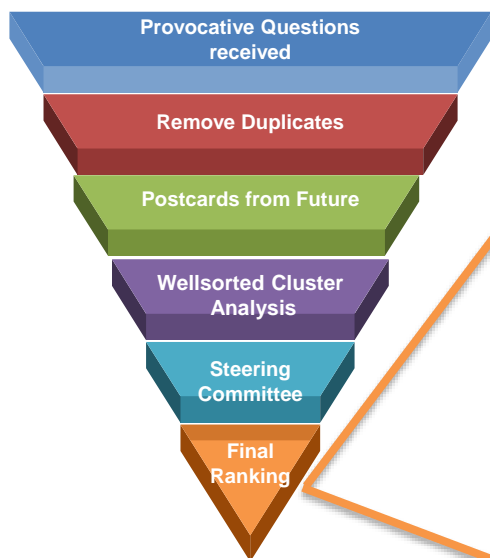


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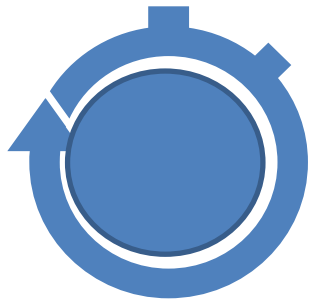
@DrMDiefenbach

## Seven Categories send out to members



1. How can we use artificial intelligence to improve the health of all individuals?
2. How can emerging technologies be leveraged to positively impact behavioral medicine interventions and overall population health?
3. How can behavioral medicine eliminate health inequalities and advance social justice?
4. How can behavioral medicine solve sociopolitical issues like climate change, gun violence, and fake science?
5. How do we better tailor and scale behavioral medicine interventions for sustained behavior change?
6. How do we better integrate behavioral medicine into the healthcare system and personalized medicine approaches?
7. How do we improve our scientific methodologies and research translation?





Membership  
ranks importance  
of clusters

309 members responded

## 4 consistently higher ranked categories:

Integration of behavioral medicine into the healthcare system and personalized medicine approaches

Improve tailoring and scaling behavioral medicine interventions for sustained behavior change

Behavioral medicine's role in eliminating health inequalities and advancing social justice?

How can behavioral medicine solve sociopolitical issues like climate change, gun violence, and fake science?

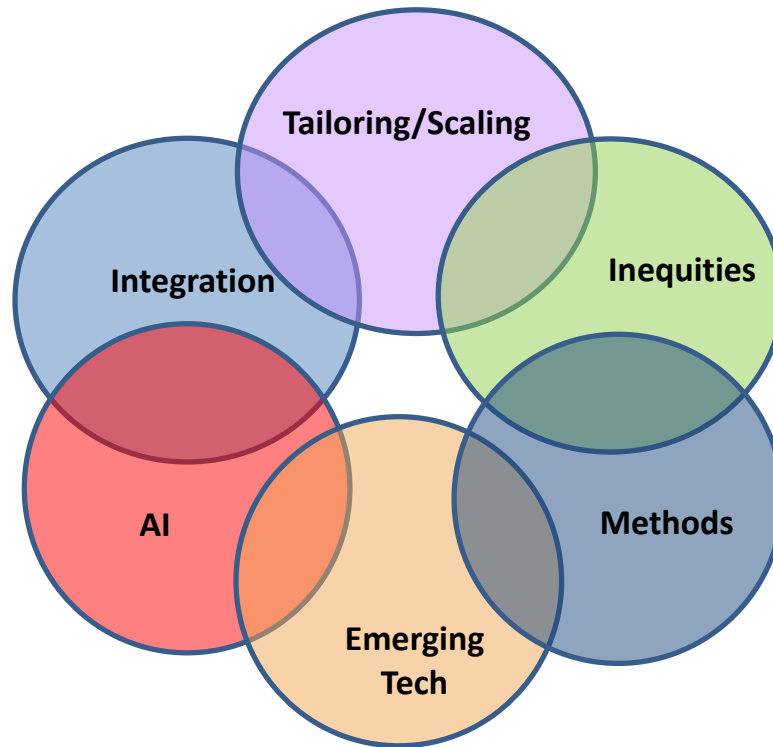


**3 categories received consistently lower ranking scores**

**How can we use artificial intelligence to improve the health of all individuals?**

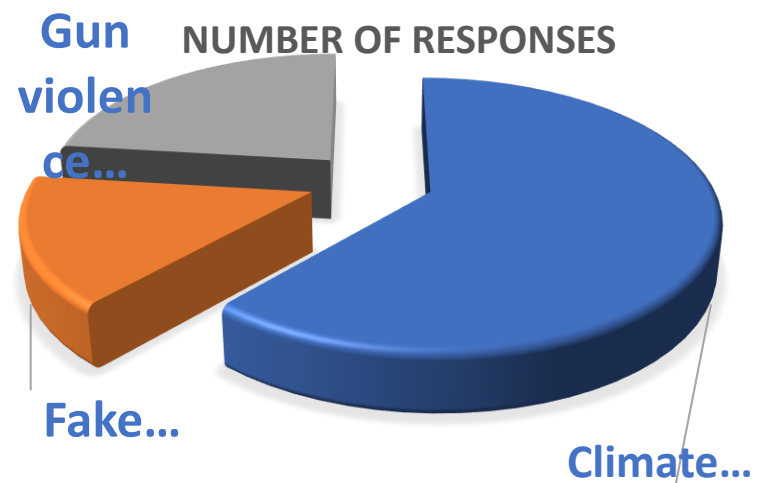
How can emerging technologies be leveraged to positively impact behavioral medicine interventions and overall population health?

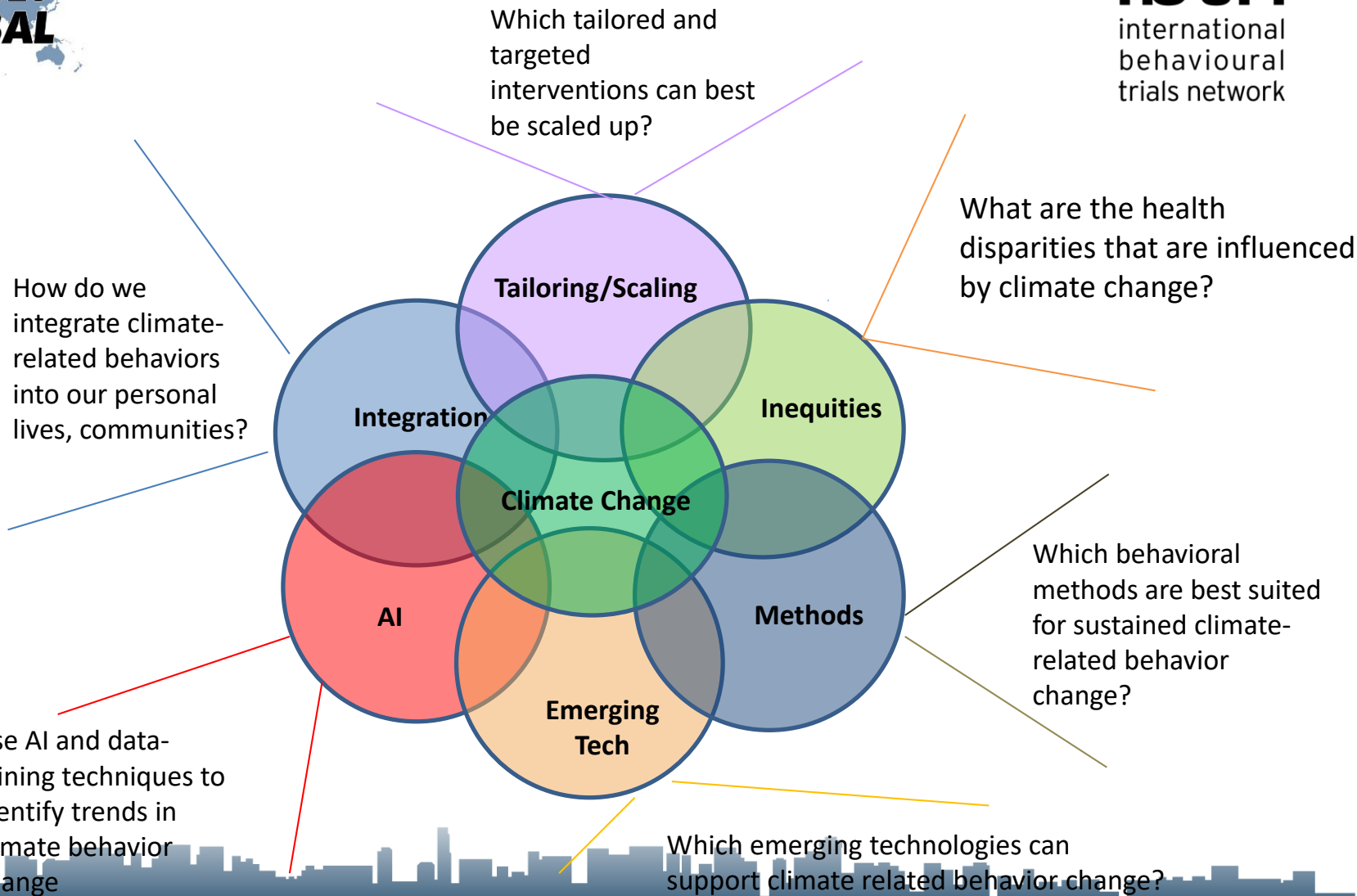
How do we improve our scientific methodologies and research translation?





# Category # 7: How can behavioral medicine solve sociopolitical issues like climate change, gun violence, and fake science?







## We can not do this alone....

Public Health

Environmental Sciences

Communication Science

Psychology

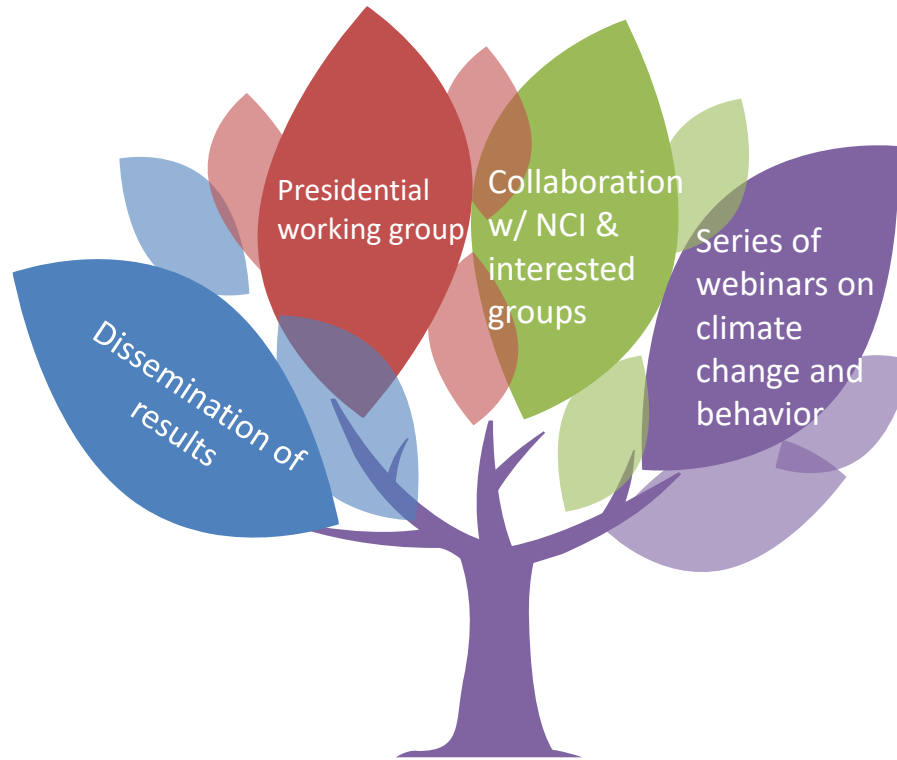
Agriculture





# Next Steps

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# Presidential Working Group on behavioral medicine and climate change

- **Goals:**
  - **Develop research questions at the intersection of climate change, behavior change and health**
  - **Identify potential strategies and solutions to be developed and tested**
  - **Identify collaborative opportunities to form a new network of scientists, practitioners, and lay public to develop and conduct research aimed at positively affecting individual health and mitigating climate change.**



# Key objectives of the PWG



- **Advance research on climate change and health**
- **Facilitate cross-disciplinary collaborations and cross-organization partnerships**
- **Raise awareness and enhance knowledge through outreach activities**



## Climate Change Initiative: Foundational Webinar #1

*“The Fundamentals of Climate Change and Health Behavior Change”*

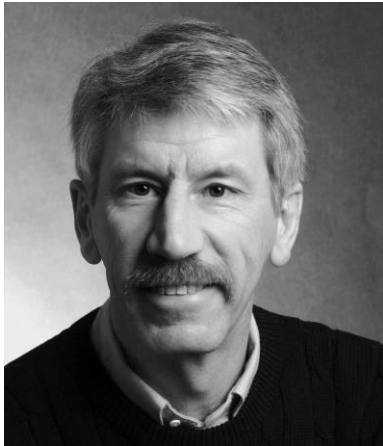
Date: 6/24/20, 1:30-3:00 EST

Moderated by:  
Michael A. Diefenbach, Ph.D.





## Foundational Webinar #1: Speaker Overview



**Dr. Robert Bindschadler**  
*NASA Climate Scientist (Retired)  
Formerly Chief Scientist, NASA  
Laboratory for Hydrospheric and  
Biospheric Science*



**Dr. Susan Michie**  
*Professor of Health Psychology  
and Director of the Centre for  
Behaviour Change  
University College London, UK*



**Dr. William Dietz**  
*Sumner M. Redstone Center Chair,  
Milken Institute School of Public Health  
George Washington University  
Co-Chair of Lancet Commission Report  
on Global Syndemic*



## Climate Change Initiative: Foundational Webinar #2

*“Climate Change, Behavior Change, and Health: Tackling Global Challenges Together”*

Date: TBD (mid/late July)

Moderated by:

Kara L. Hall, Ph.D., NCI





## SBM Community Outreach and Collaboration



**Andy Burnett**

CEO Knowinnovation

[i2ihub.org](http://i2ihub.org)

[Knowinnovation.com](http://Knowinnovation.com)

Connecting and collaborating:  
(Virtual) **Randomized Coffee Talks**



- Questions from PWGs, greater SBM community, and climate change experts will be utilized to inspire collaboration



# THANK YOU!

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