

# Impacts of Land Use and Land Management on Earth System Evolution, Biogeochemical Cycles, Extremes and Inter-Sectoral Dynamics



*Welcome!*

# Mission

Advancing global change science and solutions in service of society

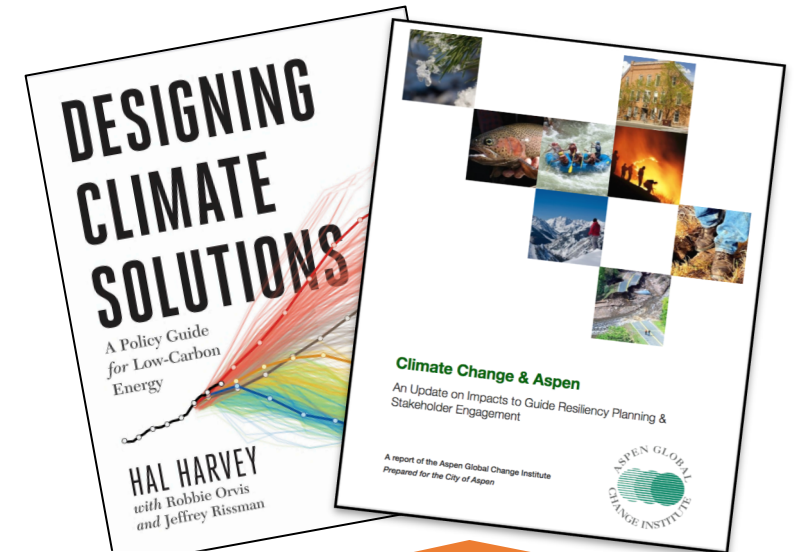
## Programs



Workshops



Research



Solutions

## AGCI Staff



**John Katzenberger**  
Executive Director



**James Arnott**  
Associate Director



**Alyson Wright**  
Finance Director



**Emily Jack-Scott**  
Program Director



**Dr. Julie Vano**  
Research Director



**Elise Osenga**  
Community Science  
Manager

## Board of Directors

**Jennifer Burney**  
UCSD

**Ken Caldeira**  
Carnegie Institution for  
Science

**Marty Hoffert**  
New York University  
(emeritus)

**John Katzenberger**  
AGCI

**Rosamond Naylor**  
Stanford University

**Michael Stranahan**  
Educator (emeritus)

## Board of Advisors

**Jill Baron**  
Colorado State University

**Rick Chappell**  
Vanderbilt University  
(emeritus)

**Lisa Dilling**  
Western Water Assessment / U  
Colorado

**Katharine Mach**  
Stanford University

**Angeline Pendergrass**  
NCAR

**Imtiaz Rangwala**  
Western Water Assessment / U  
Colorado

**Vaclav Smil**  
University of Manitoba

**Don Wuebbles**  
University of Illinois





# Thread on land use, biogeochemistry, etc.

[Experimental Design for CMIP6: Aerosol, Land Use and Future Scenarios](#)

August 03, 2014 to August 08, 2014

[State of the Global Phosphorus Cycle](#)

September 30, 2009 to October 04, 2009

[Managing the Cycles of Nitrogen and Phosphorus: Mitigation and Adaptation](#)

October 22, 2008 to October 25, 2008

[Northern Eurasia Landsurface Properties and Change and its Role in the Global Earth System](#)

August 12, 2007 to August 17, 2007

[Forest Management and Global Change: Near-Term Decisions and Long-Term Outcomes](#)

October 17, 2001 to October 22, 2001

[Changes in Global Vegetative Patterns & Their Relationships to Human Activity](#)

July 09, 1995 to July 22, 1995



# Thread on model intercomparison (CMIP, AgMIP, etc.)

[Next-Generation Food Shock Modeling](#)

May 19, 2019 to May 24, 2019

[Earth System Model Evaluation to Improve Process Understanding](#)

July 30, 2017 to August 04, 2017

[AgMIP Workshop on Coordinated Global and Regional Integrated Assessments of Climate Change and Food Security](#)

September 13, 2015 to September 18, 2015

[Experimental Design for CMIP6: Aerosol, Land Use and Future Scenarios](#)

August 03, 2014 to August 08, 2014

[Next Generation Climate Change Experiments Needed to Advance Knowledge and for Assessment of CMIP6](#)

August 04, 2013 to August 09, 2013

[Making Sense of the Multi-Model Decadal Prediction Experiments from CMIP5](#)

June 26, 2011 to July 01, 2011

[Earth Systems Models: The Next Generation](#)

July 30, 2006 to August 05, 2006



# 2019 Workshops

**The Future of Past Climate**

**5-10 May 2019**

**Next-Generation Food Shock Modeling**

**19-24 May 2019**

**Food System Impacts of Pests and Pathogens in a Changing Climate**

**18-23 August 2019**

**Impacts of Land Use and Land Management on Earth System Evolution, Biogeochemical Cycles, Extremes and Inter-Sectoral Dynamics**

**16-20 September 2019**



# What comes next?

Come join us for a working lunch on Thursday to share ideas for future themes!

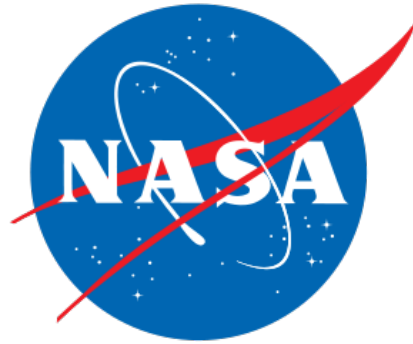
Workshop proposal template:

- Title
- Description
- Relevance/timeliness
- Disciplines
- Potential Funders
- Plan to promote diversity & inclusion



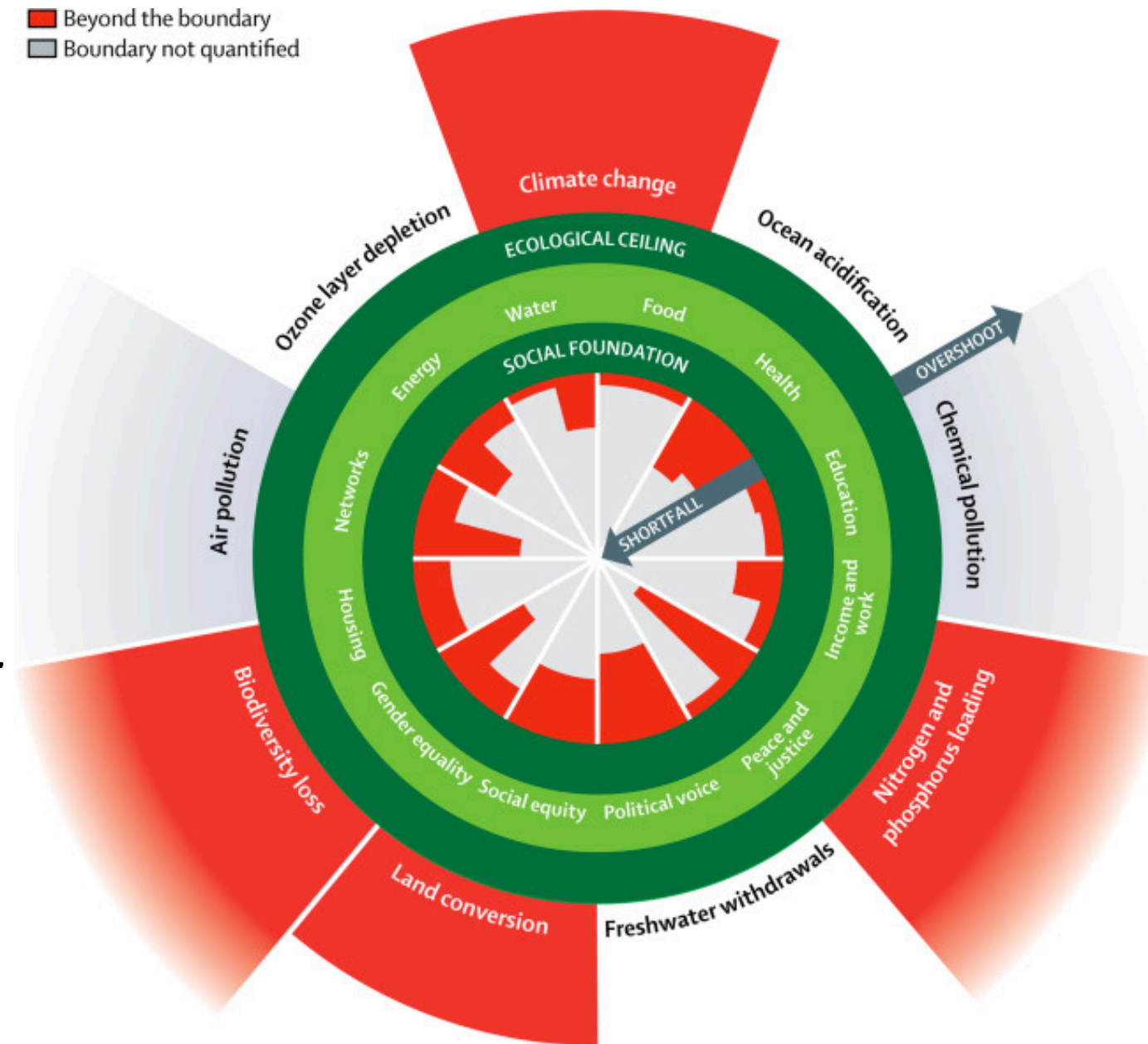


# Funders



# Motivating Challenge

Seek solutions that  
*stay within planetary  
boundaries*  
  
AND  
  
*raise the social foundation.*



# AGCI Guide to Conduct

1. **Share our time & space together. Actively listen, contribute, and learn.**
2. **Find ways to support the work & ideas of others.**
3. **Respect differences.**
4. **Practice self-care.**
5. **Advocate for help when needed:**

**Emily Jack-Scott, [ejs@agci.org](mailto:ejs@agci.org), 267-242-0797**

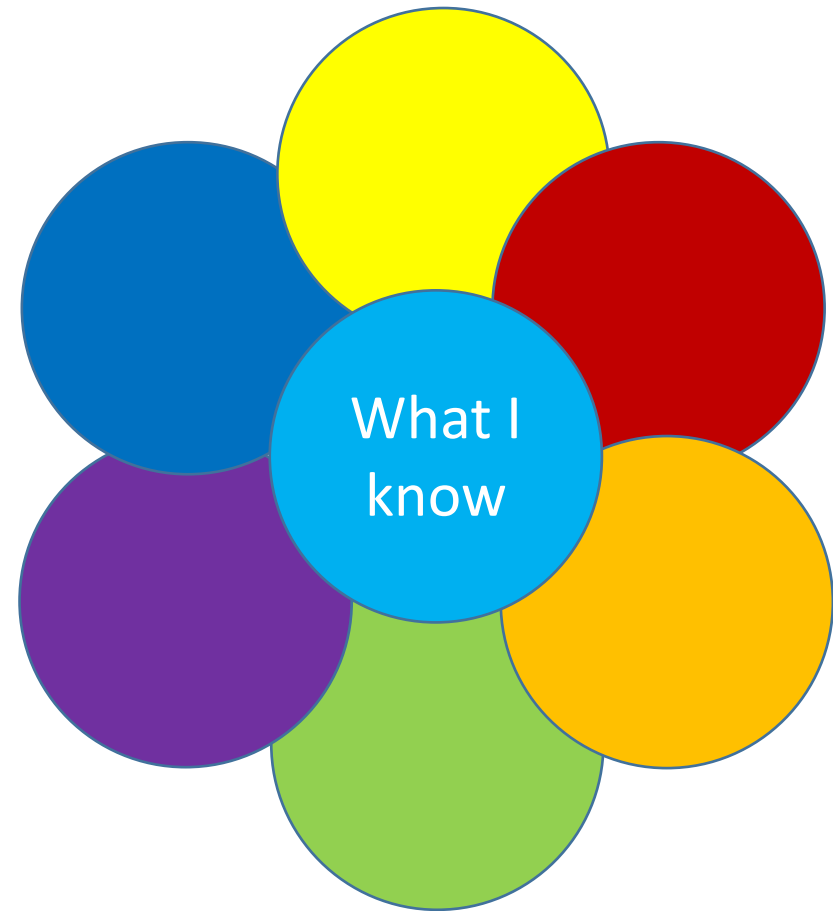
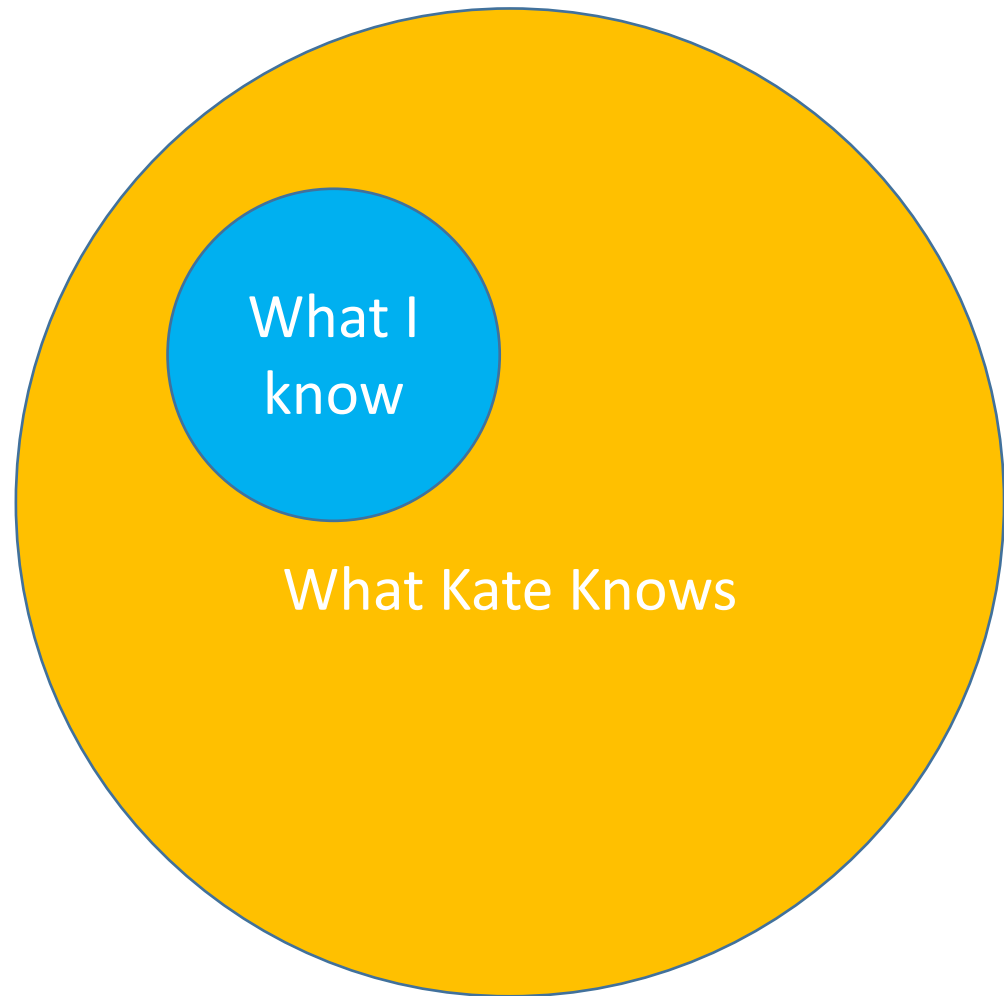
AGCI adheres to the same guidelines of expected and unacceptable behavior, including sexual harassment, other forms of harassment, and sexual assault, as the American Geophysical Union:

<https://fallmeeting.agu.org/2018/agu-meetings-code-of-conduct/>

<https://harassment.agu.org/homepage/types-of-harassment/>

If at any time before, during, or after workshop activities, you become aware of unacceptable behavior against yourself or others, please advocate immediately for help.







# AGCI Logistics

- Media Waiver
- Reimbursement
  - Group Breakfast/Lunch
- Evaluation
- BEARS!
- Presentation Sharing
- Group email: AGCILandUse2019@agci.org
- Hydration...
- Bathroom



[www.agci.org](http://www.agci.org)

@aspenglobal



**Impacts of Land Use and Land Management on Earth System Evolution,  
Biogeochemical Cycles, Extremes and Inter-Sectoral Dynamics**

@aspenglobal #AGCILandUse