

Future of Past Climate

Introductory Remarks
John Katzenberger &
Emily Jack-Scott

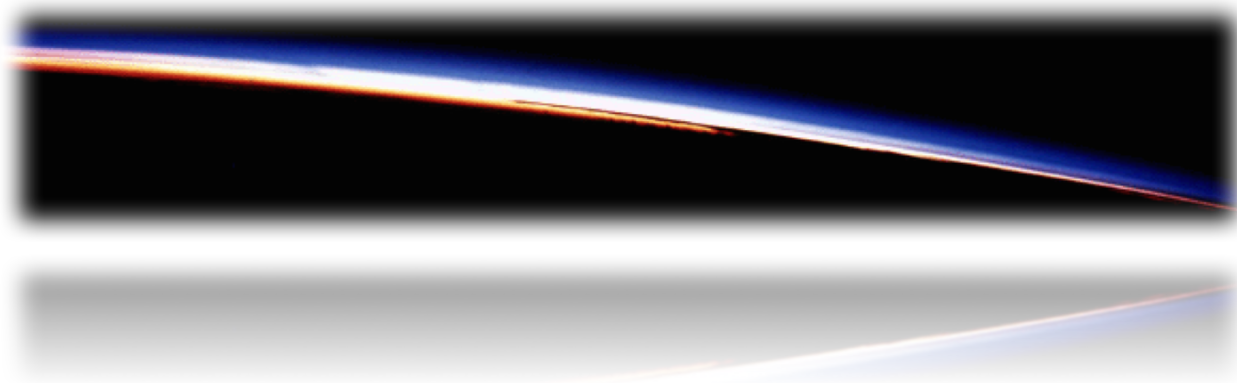
5-10 May 2019
Aspen, Colorado



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Mission

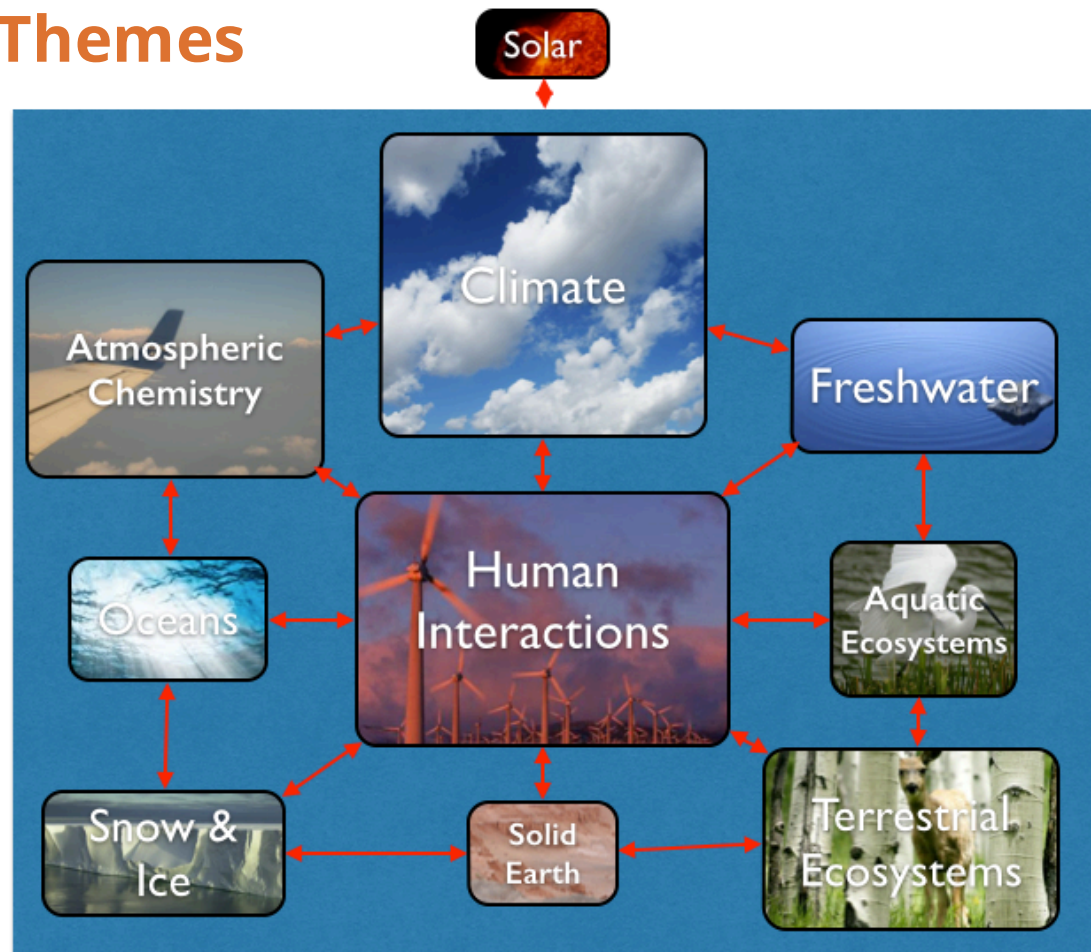
To further the understanding of Earth systems and global environmental change in service to society.



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Workshop Themes



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Our Work



Workshops



Research & Consulting



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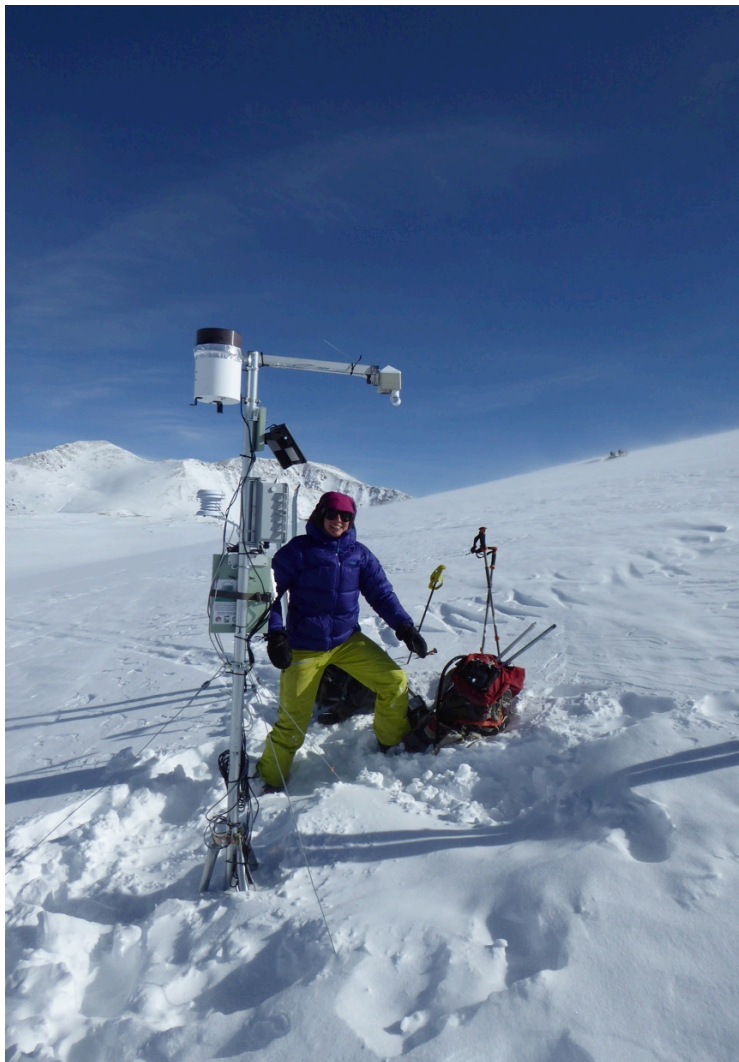
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Place-based research in support of local resource managers and governments

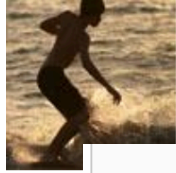


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Paleoclimate Related Thread



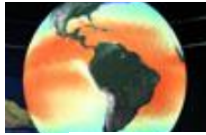
Physical, Biological, and Human Dimensions of Global Change

July 29, 1990 to August 19, 1990



Fresh Water, Land and Biologic Interactions: Changes and Impacts

July 19, 1992 to August 01, 1992



The Coupled Climate System and Climate Change

August 02, 1992 to August 15, 1992



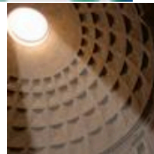
Abrupt Climate Change: Mechanisms, Early Warning Signs, Impacts, and Economic Analyses

July 09, 2005 to July 15, 2005



North American Weather and Climate Extremes: Progress in Monitoring and Research

July 15, 2005 to July 21, 2005



Climate Sensitivity on Decadal to Century Timescales: Implications for Civilization

May 21, 2012 to May 25, 2012



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Recent workshop related publications

- Hall, A., et al. (2019). Progressing emergent constraints on future climate change. ***Nature Climate Change***.
- Linkov, I., et al. (2018). Tiered Approach to Resilience Assessment. ***Risk Analysis***.
- Screen, J. A., et al. (2018), Consistency and discrepancy in the atmospheric response to Arctic sea-ice loss across climate models. ***Nature Geoscience***.
- Davis, S. J., N. S. Lewis, and K. Caldeira (2017), Achieving a near-zero carbon emissions energy system, ***Eos***.
- Davis, S. J., et al. (2018) Providing energy services without net addition of carbon dioxide to the atmosphere. ***Science***.
- Boer, G., et al (2016) Decadal Climate Predication Project (DCPP) contribution to CMiP6. ***Geoscientific Model Development***.
- Jones, A., K. Calvin, and J.-F. Lamarque (2016), Climate modeling with decision makers in mind, ***Eos***.
- Boer, George J., Gerald A. Meehl, and Doug M. Smith (2015), Toward Improving Decadal Climate Predictions. ***Eos*** meeting report.



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 Climate, Carbon Cycling, Extremes and Society

16-20 September 2019 (pending)



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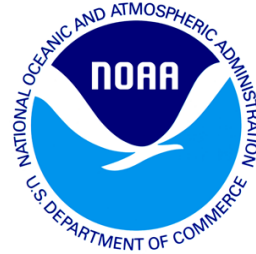
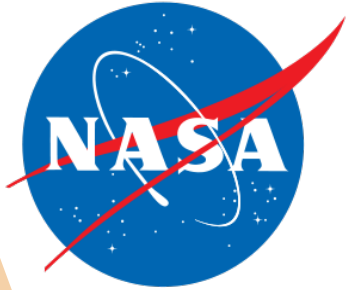


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Recent Funding



+ Other private foundations & contributors



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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, 267-242-0797

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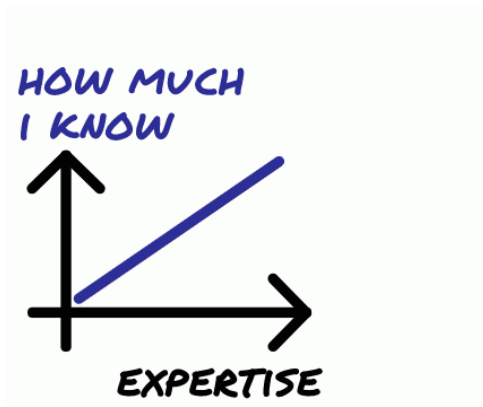
<https://fallmeeting.agu.org/2018/agu-meetings-code-of-conduct/>
<https://harassment.agu.org/homepage/types-of-harassment/>

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.



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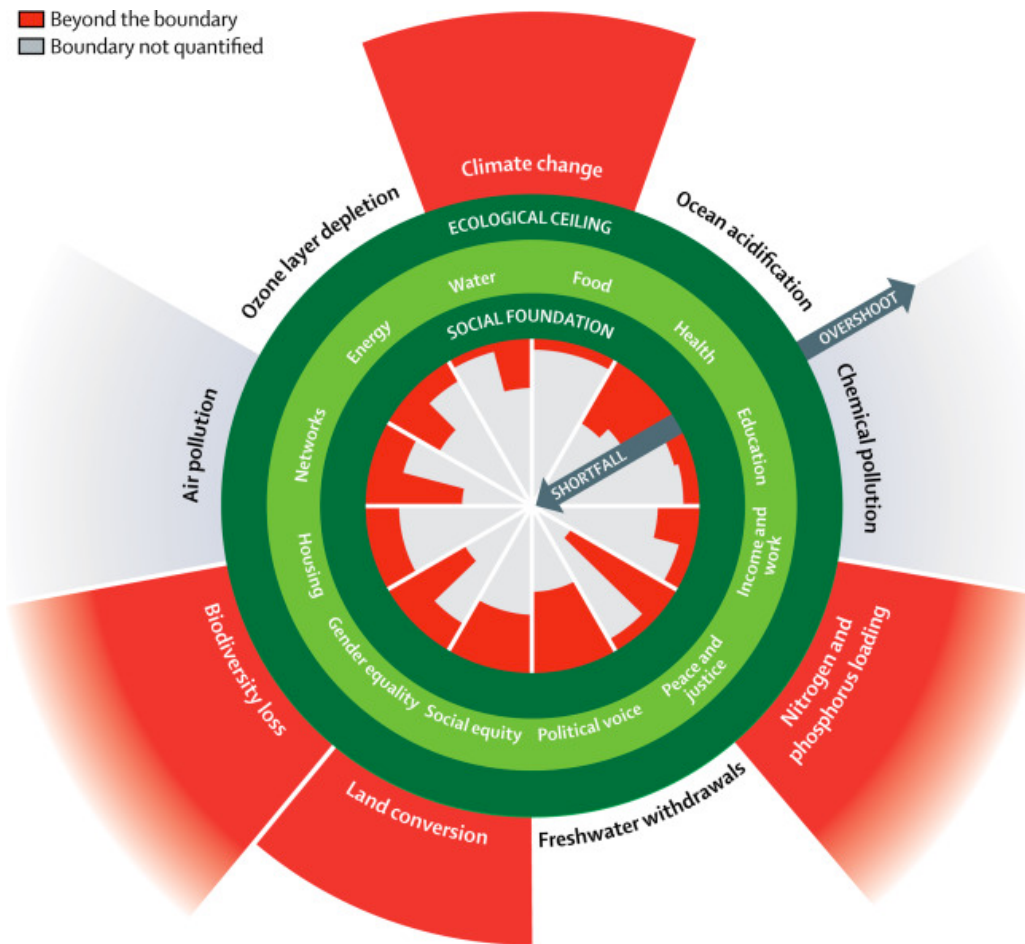
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Motivating Challenge

Seek solutions that
*stay within planetary
boundaries*

AND

*raise the social
foundation.*



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Raworth 2012

AGCI Logistics

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- Evaluation
- BEARS!
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