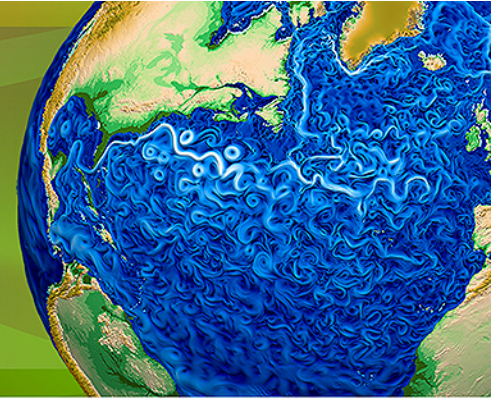


Jay Fein – He Made CCSM a Reality





Accelerated Climate Modeling
for Energy



ACME Since June 2016

David C. Bader
Council Chair

ACME Reviewers' Concerns

- Climate system progress and (near-term) plans:
 - Coupled system
 - Ice-ocean
 - Land and carbon cycle
 - Human component
- Computation progress and (near-term) plans
 - Performance
 - Software engineering/performance and CMDV
- Project management
- Plans for code release and community engagement
- Strategic plan
- Comments regarding preparation for next proposal and suggestions for next review steps and timing

June 2016 ACME Review Resulted in Revised Schedule for Next Proposal

June 1, 2017 - Progress Report describing accomplishments from Phase 1 of the project, accompanied by a Whitepaper for Phase 2

December 1, 2017 - ACME v1 code release to occur by; and

December 15, 2017 - Full proposal for ACME Phase 2 due

New Projects Related to ACME

- Climate Model Development and Validation (CMDV) in Labs
 - Atmosphere
 - Software Engineering
 - NGEE Liasons
- CMDV Grants and Cooperative Agreements
- Exascale Computing Program

Charge for Meeting

- Build formal and informal collaborations with new projects
- Discuss tentative plans for updated strategic plan and simulations, including major constraints imposed by computer resource limitations – important input to BER
- Discussions of next round of Science Question Simulation Campaigns that will inform Model development priorities