Agriculture in a Changing Climate across Scales: Broadening Participation in Research and Decision-Making

A joint NCAR - USDA/OCE/CCPO workshop



"It's wonderful to have the opportunity given us by society to do basic research, but in return, we have a very important moral responsibility to apply that research to benefiting humanity."

Walter Orr Roberts



NCAR/NSF Scientific facilities

- US National Science Foundation FFRDC
- 960 Staff, 500 Scientists/Engineers, 5 Boulder & Wyoming campuses
- Governed by 78 universities

EOL Earth Observing Laboratory



NESL
NCAR Earth System Laboratory

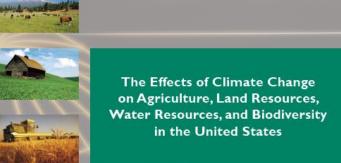
CISL Computational & Information Systems

CLIMATE SCIENCE AND APPLICATIONS PROGRAM



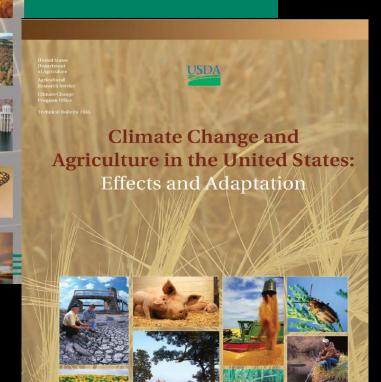
RAL
Research Applications Laboratory

Climate Change and Agriculture



Recent USDA/NCA Reports: U.S. agriculture produces \$300B/year in commodities.

- 1. Climate change is already affecting global water resources, agriculture, land resources, and biodiversity, and will continue to do so.
- 2. Without significant adaptation measures, costs and losses will rise dramatically.
- 3. Food security will be threatened worldwide.



YOU are the scientist leaders of tomorrow...

Engage hard, learn deeply and bravely reach out to start the networks that will strengthen & advance the rest of your career...



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