GOALS AND OBJECTIVES FOR SUMMER 2005
Summer Undergraduate Research Experience - SURE

Orientation Workshop – Tulane University
What is DOE Office of Biological and Environmental Research (BER) doing in Global Change Research?

Research Experience – Mentoring!
Opportunity to do hands on work in Global Change Study Areas!

Final Workshop – Washington, D.C.
Oral Presentations on Accomplishments!
Graduate Research Environmental Fellows – GREF

Orientation for NEW GREF and Returning GREF
– Opportunity for Status Report!
Get to Meet your Fellow SURE and GREF students!
SURE ⇒⇒⇒⇒GREF!

Final Workshop – More Status Reports!
NETWORKING

Getting to know the players!

Getting to know other students in the field!
Our GCEP Goals:

Give students the opportunity to find out what research is like!

One on one with leaders in the field of Global Change!

Encourage undergrads to enter graduate school!

Help grad students complete thesis in Global Change!

Increase high quality U.S. Scientists!
SURE and GREF Goals:

Find out what research is all about!

Meet new people – mentors and students interested in Global Change Research and Environmental Issues

Learn, Learn, Learn!*  

Find out what the Dept. of Energy is doing!

Let us know how it went! – Feedback!

Final Workshop – Oral Presentations- SURE (short)  
- GREF (longer)

* Note: This is lifelong process, trust me on this.. I am still learning!
SPEAKERS – MENTORS

Raj Boopathy – Nicholls State University
Jeff Gaffney – Argonne National Laboratory
Dubravko Justic – Louisiana State University
Nancy Marley – Argonne National Laboratory
Doug Meffert – Tulane University
Robert Twilley – Louisiana State University
Julie Whitbeck – New Orleans University
Justin Wilkinson-Lockheed Martin Space Operations

   National Aeronautic Space Agency (NASA)
SPEAKERS – GREF STUDENTS!

Laura Alvarez-Aviles – The University of Alaska, Fairbanks
Amy Bratcher – Texas A&M University
Christopher Busch – University of California, Berkeley
Anne Case – Georgia Tech
Erin Hokanson – University of Wisconsin, Madison
Anita Lee – University of California, Berkeley
Rose Ravelo – Purdue University

THIRD YEAR - SURE STUDENT
Kori Moore – Utah State University
THE GCEP STAFF

Mr. Rick Petty – DOE Office of Biological and Environmental Research, Climate Change Research Division

Mr. Peter Lunn – DOE OBER

Milt Constantin – Oak Ridge Associated Universities

Mary Kinney – Oak Ridge Associated Universities

Donna Holdridge- Argonne National Laboratory – Web Site

Pat Shoulders – Argonne National Laboratory

Jeff Gaffney – Argonne National Laboratory
Some Final Comments!

Abbreviations need to be defined –

DOE is Department of Energy
BER – is Office of Biological and Environmental Research
GCEP – is Global Change Education Program
SURE – is Summer Undergraduate Research Experience
GREF – is Graduate Research Environmental Fellowships
ARM – Atmospheric Radiative Measurements
ASP – Atmospheric Science Program
ACP – Atmospheric Chemistry Program
NIGEC – National Institutes for Global Environmental Change
EMP – Environmental Meteorology Program
VTMX – Vertical Transport and Mixing
TCP – Terrestrial Carbon Program
PER – Program for Ecological Research
IA - Integrated Assessment
ORAU – Oak Ridge Associated Universities
ANL - Argonne National Laboratory
BNL – Brookhaven National Laboratory
ORNL – Oak Ridge National Laboratory
PNNL – Pacific Northwest National Laboratory
LBNL – Lawrence Berkeley National Laboratory
LLNL – Lawrence Livermore National Laboratory
LANL – Los Alamos National Laboratory
EMSL – Environmental Molecular Sciences Laboratory
ALSO....

IF YOU ARE OVERWHELMED WITH ALL OF THE INFORMATION PRESENTED.. GOOD!

WE HOPE TO GET YOU THINKING ABOUT WHAT DOE IS DOING – IN MANY AREAS..

YOU MAY LEARN DIFFERENT SPEAKS! (BIO.. GEO.. ..ECO..ATMO..SPEAK)

THE ENVIRONMENTAL PROBLEMS OF THE FUTURE WILL REQUIRE INTERDISCIPLINARY INTERACTIONS OF EXPERTS FROM THEIR FIELDS.. WE HOPE YOUR PART OF THAT!
Glad you got here safe and sound and are part of GCEP!

Enjoy the Lectures and the Discussions!

If you need anything.. Ask Milt!