Landscapes, Global Environmental Issues, and Sustainability

The Role of Research Universities

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SUSTAIN

Meaningful

prosperous

fulfilling

healthy

enriching

Safe

Happy

LIFE
Wisdom = Knowledge + Compassion

What kind of citizenship education are we providing?
ADVANCING THE ROLE OF CITIZENSHIP

“Educated citizens must understand and accept their obligations to all humanity, to making this a nation worth defending in a world safe and promising for all its inhabitants.”

Lee S. Shulman, 2003

“Currently, many universities seem to define their role not in terms of creating better, more intellectually aware global citizens, but rather as producing a “product” that will help their respective nations to hone their competitive edges and maintain dynamic growth in an increasingly global market economy.”

William E. Rees, 2003
Oklahoma State University

aquaculture
dispersal
corridor
sport hunting
animal products trade
ranching
mineral extraction
plantation forest products
forest products
HIGH CAPITAL ARENA
GLOBAL ECONOMY

Small producers
fuelwood, subsistence farming and hunting
agroforestry

biodiversity, watersheds

URBAN POLITICAL CENTERS
industry
pollution
regulations
river

sport hunting
animal products trade

ranching
mineral extraction

HIGH CAPITAL ARENA

GLOBAL ECONOMY

LOW CAPITAL ARENA

health/human services
urbanization, unrest

Small producers
fuelwood, subsistence farming and hunting
agroforestry

grants, data
management systems

UNIVERSITY
biotechnology, systems technology

innovation
extension
UNIVERSITIES

38 states have 68 universities with sustainability-related research in environmental institutes.

University of Illinois, Auburn University, University of South Carolina, University of California, California State University, University of Missouri, Rice University, University of Delaware, University of Texas, Alfred University, University of California-Berkeley, University of West Florida, University of Florida, University of Iowa, Washington State University, Columbia University, Clarkson University, Cornell University, University of Rhode Island, University of Nevada, University of North Dakota, University of Alaska, Rice University, University of Hawaii, Cleveland State University, Oklahoma State University, University of North Carolina, Western Michigan University, University of New Hampshire, Florida A&M University…
University of Michigan, Mississippi State University, Clark University, Georgetown University, Yale University, Carnegie Mellon University, Western Kentucky University, Bowling Green, University of Oregon, Wright State University, University of Pennsylvania, Oregon State University, Oregon State University, Tennessee State University, University of Denver, Michigan Tech University, University of California-Davis, California State Polytechnic University, University of Colorado, University of Tennessee, University of Louisville, Harvard University, Heidelberg College, Duke University, Northern Arizona University, Pennsylvania State University, University of Washington, University of Wisconsin, Iowa State University, Nova Southeastern University, University of Massachusetts, Princeton University, Rockefeller University, Purdue University, University of California -San Diego, University of Maine, Florida International University, Tufts University, Occidental College, Utah State University, University of Wyoming, Stanford University
WHAT WE ARE DOING AT OKLAHOMA STATE!

• Institute for Environmentally Sustainable Prosperity
• New Department of Natural Resources
• Graduate Program in Environmental Sociology
• New Graduate and Undergraduate Courses
  - Undergraduate: “Sustainable Architecture”
  - Graduate: “Environment and Civilization”
• Office of Leadership Development
  - Undergraduate Course in “Leadership, Citizenship, and Sustainability” in School of Business
Environmental Sustainability Research at OSU

Institute for Environmentally Sustainable Prosperity

"Leaders aren’t born, they are made. And they are made just like anything else, through hard work. And that’s the price we’ll have to pay to achieve that goal or any goal."

Vince Lombardi

Creating Ecological, Economic, and Social Prosperity through Integrated Transdisciplinary Research

Oklahoma State University

The Office of Leadership Development
050 Student Union - 405.744.5485
http://osunet.okstate.edu/leadership
CHALLENGES FACED BY UNIVERSITIES

• Vision: President, Administration, Faculty, Staff, Students, Community
• Leadership
• Funding
• Organizational Barriers
  - Colleges, departments, faculty, rewards, students
• Participate in sustainability organizations
• Partnerships in Sustainability
  - Public – Private
  - Government–NGO
  - Grassroots/Communities
  - Other Universities
ROLE OF RESEARCH UNIVERSITIES IN THE ADVANCEMENT OF SUSTAINABILITY

• Research Sustainability Issues
• Educate
  - **Instill** a holistic perspective in students
  - **Advance** citizenship education and democracy
  - **Commit** to support and nurture interdisciplinary degree plans
• Outreach to Community
“We at the universities of the world can create a sustainable world by producing civic-minded citizens who are versed in sustainability issues.”
“We are not building this country of ours for a day. It is to last through the ages.”

Theodore Roosevelt, 1905