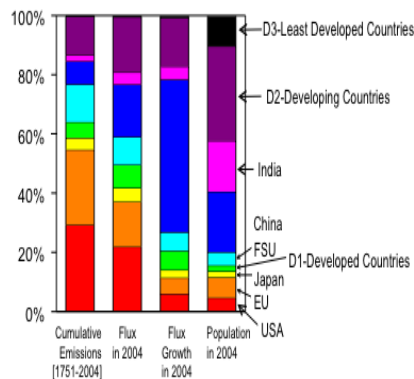
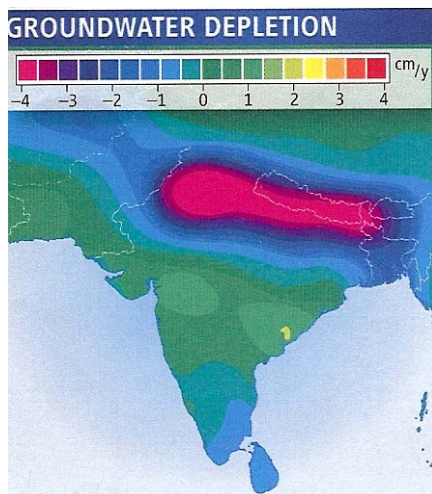


Regional Share of Fossil Fuel Emissions



Raschke et al. 2007, PNAS



A Proposed Sustainable Energy Center in Ningbo, China

Asia in the 21st Century

How the global community lessens the degree of global warming this century is dependent upon unfolding stories of individual nations' population, industrialization, effluent emission, and land-use trends. The 2010 ASP Summer Colloquium "Asia in the 21st Century" will focus upon a region of the world whose influence, both in economic and environmental terms, is increasing in importance.

The Colloquium will discuss population, economic, industrialization, transportation, and atmospheric emission trends. The use of Integrative Assessment Models, applied as a tool to integrate physical, economic, and social influences, will be highlighted. The physics and interconnections of global warming, biogeochemical, and hydrological cycles, will be discussed. Energy themes such as coal consumption, CO₂ sequestration, the costs of technological change, and alternative energy sources also will be discussed. Speakers from various fields and nations will share a wide range of perspectives. To provide students with an opportunity to implement ideas from the lectures, students will work in groups on small, well-defined research projects.

This colloquium is designed for Graduate students who have completed at least one year of studies in atmospheric science, energy engineering, or the social sciences. ASP will fund travel and local expenses for about 25 student participants during the Summer Colloquium.

Organizers: Steven Massie, Elisabeth Holland (NCAR), and Rong Fu (University of Texas, Austin)

For more information and how to apply, see the NCAR Advanced Study Program website:

www.asp.ucar.edu/colloquium/summer_colloquia.php



NCAR is sponsored by the National Science Foundation.

Advanced Study Program
Developing Scientific Leaders of the Future



NATIONAL CENTER FOR ATMOSPHERIC RESEARCH