

Title: Energy and Climate Policy
Nr.: 63-949
Lecturer: Jürgen Scheffran (Universität Hamburg), Clifford Singer (University of Illinois)
Time: Thursday 16.15-17.45
Location: ZMAW, Bundesstr. 53, Room 133
Start: 07.04.2011

Content: Introduction to energy resources, alternative energy systems, and international security, civil-military ambivalence of nuclear energy, CO₂-emissions from energy production. Climate change risks, mitigation and adaptation strategies, comparative analysis of energy and climate policy regimes and institutions, including negotiation processes.

Goal: Provide an understanding of the key factors, mechanisms and institutions in energy and climate policy on national and international levels.

Preconditions: BSc in any field relevant to the topic of this class.

Literature:

Singer E.C; Energy and International War. From Babylon to Baghdad and Beyond; World Scientific Series on Energy and Resource Economics – Vol.6; World Scientific Publishing 2008. Related lecture notes on <http://npre480.ne.uiuc.edu/lecturenotes/contents.html>

Ott, K., G. Klepper, S. Lingner, A. Schäfer, J. Scheffran, D. Sprinz: Reasoning Goals of Climate Protection - Specification of Art.2 UNFCCC, Report, Umweltbundesamt, Berlin, 2004.

Grover, V.I. (ed.), Global Warming and Climate Change: Ten Years After Kyoto and Still Counting, Science Publishers (2 Vol), 2008.

Programm:

- 7. April Introduction; Climate Policy: Impacts, Vulnerabilities and Risks
- 28. April Climate Policy: Mitigation
- 05. May Climate Policy: Adaptation
- 12. May Biomass and Bioenergy
- 19. May Other Renewable Energy Sources
- 26. May Energy Scenarios and Emissions
- 02. June *Ascension Day*
- 09. June Coal, Oil and Natural Gas: Past and Current Issues of Fossil Energy
- 16. June *Pentecost Holidays*
- 23. June Extrapolation of Historical Energy Use Patterns into the Future
- 30. June Interplay between Energy, Security, and Climate Change
- 07. July International and Intergenerational Risks of Nuclear Energy
- 14. July *Written Exam*