FALL 2018: ON LEAVE AT OXFORD UNIVERSITY

Office hours: Email for appointment--Room 235, SIEPR/Gunn Building, 366 Galvez St.

Prof. Charles D. Kolstad is an energy and environmental economist with a research focus on regulation. Much of his applied work is in the area of climate change and energy markets. He has been a Convening Lead Author for the Intergovernmental Panel on Climate Change (co-recipient of the 2007 Nobel Peace Prize), is a founding Co-Editor of the Oxford University Press journal Review of Environmental Economics & Policy and has served on many advisory boards. He is a former president of the Association of Environmental and Resource Economists (AERE).

At Stanford, in addition to his affiliation with the Department of Economics, Prof. Kolstad holds senior fellow appointments in the Precourt Institute for Energy (PIE), the Stanford Institute for Economic Policy Research (SIEPR) and the Woods Institute for the Environment. Prior to joining Stanford in 2012, Prof. Kolstad was on the faculty of the University of California, Santa Barbara, where he was a Bren Distinguished Professor of Environmental Economics, Chair of the Department of Economics and co-director of the system-wide University of California Center for Energy and Environmental Economics (UCE3). He is a University Fellow at Resources for the Future (Washington, DC), a Fellow of CESifo (Munich) and a Research Associate at the National Bureau of Economic Research (Cambridge, MA).

PhD students who wish to study with him (or another Stanford professor in the field of environmental, resource or energy economics) should first apply to a degree-granting department or program at Stanford (such as Economics, Management Science & Engineering, the Graduate School of Business or the Emmet Interdisciplinary Program in Environment and Resources), mentioning my name (no need to contact me in advance). See further information in the link at the side of this page (“Info for Prospective PhD Students”).

At Stanford, Prof. Kolstad is affiliated with:

Department of Economics
Emmet Interdisciplinary Program in Energy and Resources (E-IPER)
Stanford Environmental and Energy Policy Analysis Center (SEEPAC)
Precourt Institute for Energy (PIE)
Stanford Institute for Economic Policy Research (SIEPR)
Woods Institute for the Environment
ACADEMIC APPOINTMENTS

• Senior Fellow, Stanford Institute for Economic Policy Research (SIEPR)
• Senior Fellow, Precourt Institute for Energy
• Senior Fellow, Stanford Woods Institute for the Environment
• Professor (By courtesy), Economics

HONORS AND AWARDS

• Fellow, Association of Environmental and Resource Economists (AERE) (2009)

LINKS

• Kolstad Hi Res Photo @ Berkeley: http://www.stanford.edu/~ckolstad/HmPg/Kolstad.Berkeley.jpg
• Textbook Info: http://www.stanford.edu/~ckolstad/HmPg/Textbooks.pdf
• Info for Prospective PhD Students: http://www.stanford.edu/~ckolstad/HmPg/InfoPhD.htm
• IPCC Chapter 3: http://www2.bren.ucsb.edu/~kolstad/publications/pdf/WGIII_AR5_Ch03.pdf
• Kolstad Hi Res Photo @ SEEPAC event: http://www.stanford.edu/~ckolstad/HmPg/Kolstad.SEEPACReception.2015.jpg
• Kolstad Hi Res Photo @ UCLA: http://www.stanford.edu/~ckolstad/HmPg/Kolstad.UCLA.jpg
• Info for Prospective Postdocs: http://www.stanford.edu/~ckolstad/HmPg/Postdocs.pdf

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interests are broadly in environmental economics and related areas of industrial organization and public economics. My policy-related focus within these fields is climate change and energy markets.

I currently have several projects related to uncertainty and learning in strategic contexts regarding the provision of public goods. For the most part, the application is international environmental agreements. This work is primarily theoretical, though with some empirical and experimental work to validate and illuminate theory. I also have research interests in energy economics (particularly regulation) and other dimensions of the economics of climate change.

I welcome new PhD students who wish to study with me. Typically, my students train to be environmental or resource economists, which means they receive strong training in economics. At Stanford this means successfully taking the first year PhD sequences in microeconomics (Econ 202-204) and econometrics (Econ 270-272) offered by the Department of Economics. In addition, students should take the PhD classes Economics 250 (Environmental Economics) and 251 (Resource and Energy Economics). This is a minimum and other coursework would depend on student interest and needs. Strong preparation in math is essential.

There are a number of PhD programs at Stanford that are appropriate for someone seeking training as an environmental economist. In addition to the Department of Economics, there are several other departments in which students may apply and matriculate, including the Emmet Interdisciplinary Program in Environment and Resources (E-IPER).

Working Papers
Teaching

COURSES

2018-19

• Environmental Economics and Policy: OSPOXFRD 49 (Aut)

2017-18

• Introduction to Resource, Energy and Environmental Economics: ENVRES 300 (Aut)
• Natural Resource and Energy Economics: ECON 251 (Win)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor
Nicolas Astier, Omer Karaduman

Doctoral Dissertation Co-Advisor (AC)
Casey Maue, Chikara Onda

Doctoral (Program)
Chikara Onda

Publications

PUBLICATIONS

• Reforming the U.S. coal leasing program. Science
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• Environmental economics. An economic perspective on the EPA’s Clean Power Plan. Science
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- Beyond the Market Advisory Committee: Proceedings from a Workshop held at Stanford University
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- Systematic uncertainty in self-enforcing international environmental agreements _JOURNAL OF ENVIRONMENTAL ECONOMICS AND MANAGEMENT_
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**PRESENTATIONS**

- Obama, Carbon and the 2015 Paris Climate Negotiations - Portland State University

- 50 Year Retrospective: Costs of Climate Change - AAAS/Carnegie Institution Symposium (10/29/2015 - 10/29/2015)

- The Papal Encyclical as it Relates to IPCC Findings - Pontifica Catolica Universidad Chile