



New Opportunities for Environmental Measurement

May 31, 2017

Omni William Penn Hotel, Three Rivers Room • Pittsburgh, PA

Assessing environmental outcomes has historically required in-situ measurement. Exciting new technologies and methods – most notably in the area of remote sensing – are now providing alternatives that can greatly expand the spatial and temporal extent of available data. Environmental economists have begun exploring how high resolution remote sensing data for air pollution, water pollution, land use, marine resources, and other margins (including in some cases behavioral outcomes) can be leveraged for economic modeling. The workshop will include lectures from technical experts at NASA and EPA on current and future capabilities and limitations, practical input on accessing and using data, and case studies demonstrating successful implementation in economic studies.

PROGRAM (Three Rivers Room, Omni William Penn Hotel)

7:00-8:00 am	Registration/Continental Breakfast		Catherine Kling, Iowa State University		Yusuke Kuwayama, Resources for the Future
8:00-8:30 am	Welcome Catherine Kling, Iowa State University Yusuke Kuwayama, Resources for the Future; Dan Phaneuf, University of Wisconsin				
8:30-9:45 am	Remote Sensing of Air Pollution David Diner, NASA Jet Propulsion Lab		Dan Phaneuf, University of Wisconsin		David Diner, NASA Jet Propulsion Lab
9:45-10:45 am	A Case Study on Air Pollution Corbett Grainger, University of Wisconsin				
10:45-11:00 am	Coffee Break				
11:00 am-12:15 pm	Remote Sensing of Water Pollution Blake Schaeffer, US EPA		Corbett Grainger, University of Wisconsin		Blake Schaeffer, US EPA
12:15-1:45 pm	Lunch (on your own)				
1:45-2:45 pm	A Case Study on Water Pollution Dave Keiser, Iowa State University Joe Shapiro, Yale University		Dave Keiser, Iowa State University		Joe Shapiro, Yale University
2:45-3:45 pm	Remote Sensing of Land Use Change Meha Jain, University of Michigan				
3:45-4:00 pm	Coffee Break				
4:00-5:00 pm	Global Fisheries Watch Grant McDermott, UC Santa Barbara		Meha Jain, University of Michigan		Grant McDermott, UC Santa Barbara
5:00 pm	Adjournment				