



Universidad de Concepción

**Preliminary program of the course and workshop of the
Research Nucleus on Environmental and Natural Resource
Economics of the Millennium Scientific Initiative**

18th - 20th of March, 2015,

Termas de Catillo, Chile.



**P · R · O · G · R · A · M · A
MAGISTER EN ECONOMIA
DE RECURSOS NATURALES
Y DEL MEDIO AMBIENTE**



Wednesday, 18 th of March, 2015

14:30 – 18:30 Termas de Catillo

Course for policy makers.

“Economics of Climate Change”.

(invited participants).

Workshop

Thursday, 19th of March, 2015

Opening (11:15 - 11:30, Room Auditorio)

Session 1 “Climate Change”

(11:30 – 13:00, Room Salón Julio Méndez) (**parallel to Session 2**)

(Chair Felipe Vásquez)

Ramón López: *Climate Change policies: Is Mainstream Economics Part of the Problem?* (Discussant: Felipe Vásquez)

Alejandra Engler: *The impact of climatic change adaptation on agricultural productivity in Central Chile: a stochastic production frontier approach* (Discussant: Ramón López)

Felipe Vásquez: *“Economic Impacts of Climate Change at River Basin Scale: Insights from a Hydro-Economic Model”*. (Discussant: Alejandra Engler)

Session 2 “Salmon Aquaculture”

(11:30 – 13:00, Room Auditorio) (**parallel to Session 1**)

(Chair Jorge Dresdner)

Manuel Estay: *Decisiones de Localización y Cambios Regulatorios: El Caso de la Acuicultura en Chile* (Discussant: Jorge Dresdner)

Carolyn Fischer: *Disease Risk, Market Power, and Strategic Environmental Policy. An Exploratory Analysis of Salmon Aquaculture* (Discussant: Manuel Estay)

Jorge Dresdner: *“Biosecurity vs. Profits: A multi-objective model for the aquaculture industry”* (Discussant: Carolyn Fischer)

Lunch (13:00 – 14:30)

Keynote lecture 1: (14:30 – 15:30, Room Auditorio)

(Chair Carlos Chávez)

Subhrendu K Pattanayak: *“Fueling environment for development”*

Coffe Break (15:30 -16:00)

Session 3 “Research proposals”

(16:00 – 18:00, Room Auditorio)
(Chair Manuel Estay)

Felipe Montealegre: “Efecto de la información ecológica, en el comportamiento de los turistas para la protección de los pingüinos de Humboldt”.(Discussant: Guillermo Donoso)

Felipe Quezada: "What can we learn from a sanitary crisis? The ISA virus and market prices". (Discussant: Carolyn Fischer)

Gloria Chavez: “Efectos del RAE en la Eficiencia Técnica del Sector Pesquero Artesanal de Sardina Común y Anchoveta”. (Discussant: Julio Peña)

Leonardo Vargas: "Valor económico del agua en la industria manufacturera chilena: enfoque de productividad marginal de factores. Datos entre los años 1995 y 2012".(Discussant: Ramón López)

Friday, 20th of March 2015

Session 4: Sustainability and compliance
(9:30 – 11:00, Room Salón Julio Méndez)(parallel to Session 5)
(Chair Julio Peña)

Miguel Quiroga: “What factors do influence sustainability of marine resources? An empirical analysis using country level data.”(Discussant: Carol Luengo)

Carol Luengo: “Uncertain Penalties and Compliance”.(Discussant: Julio Peña)

Julio Peña: “Risk and Sustainability: Assessing Fishery Management Strategies”.(Discussant: Miguel Quiroga)

Session 5: Conservation and the environment
(9:30 – 11:00, Room Auditorio)(parallel to Session 4)
(Chair Guillermo Donoso)

Rodrigo Arriagada: “Creating protected areas on public lands: is there room for additional conservation?”.(Discussant: Subhrendu K Pattanayak)

Subhrendu K Pattanayak: *Fetal attractions? Impacts of early-life exposure to forest fires on long-term outcomes of Indonesian children (Environmental impacts)* .(Discussant: Guillermo Donoso)

Guillermo Donoso: “*Are Participants in Water Markets More Efficient in the Use of Water Than Non-Participants?: A Case Study For Limarí Valley (Chile)*” .(Discussant: Rodrigo Arriagada)

Coffe Break (11:00 - 11:30)

Keynote lecture 2: (11:30 - 12:30, Room Auditorio)
(Chair **Miguel Quiroga**)

Carolyn Fischer: "Developing guidance for addressing carbon leakage through border carbon adjustments"

Lunch (12:30 – 14:00)

Session 6 “*Artisanal Fisheries*”
(14:00 – 15:30, Room Salón Julio Méndez) (**parallel to Session 7**)
(Chair **Walter Gómez**)

Yanina Figueroa: “*Determinantes socioeconómicos en la oferta de colectores de semilla de chorito (Mytiluschilensis) producidos en áreas de manejo de la Región de los Lagos, Chile*”. (Discussant: Carlos Chávez)

Carlos Chávez: “*Quota Compliance in Territorial Use Rights in Fisheries: An Experimental Analysis of Formal and Informal Enforcement with Changes in Abundance*”.(Discussant: Walter Gómez)

Walter Gómez “*Collective rights in artisanal fisheries and the trade-offs in fisheries policies: An analysis of distributive policies*”. (Discussant: Yanina Figueroa)

Session 7 “*Advances on research in environmental economics*”
(14:00 – 15:30, Room Auditorio) (**parallel to Session 6**)
(Chair **John Stranlund**)

Lorenzo Cerda. “*Pushing the Tipping in International Environmental Agreements*”.(Discussant: Roberto Pasten)

Roberto Pasten: “*Beyond Additive Preferences: Economic Behavior and the Income Pollution Path*”. (Discussant: John Stranlund)

John Stranlund: “*Prices versus Quantities versus Hybrids in the Presence of Co-pollutants*”.(Discussant: Lorenzo Cerda)

Coffe Break (15:30–16:00)

16:00 – 17:30 Meeting of the Research Nucleus

Meeting of the members of the Research Nucleus on Environmental and Natural Resource Economics, Millennium Science Initiative, with senior researchers and other invited researchers (*only with invitation*).

Instructions.

Each paper in the sessions will receive a total of 30 minutes. The speaker will have first 20 minutes for presentation. Then, the discussant of the paper will have five minutes for comments. Finally there will be given another five minutes for discussion.

In the session of "Research proposals", the speakers will have 15 minutes for the presentation. The discussant shall have 10 minutes for comments and the final discussion should take the last 5 minutes.

It is suggested, to verbally give the comments to the speaker after the presentation. However the discussants can also provide written comments to the speaker.

The speaker can use Spanish for presenting their papers, but the overhead transparencies should be in English. The keynote lectures and the sessions 2, 5 and 7 are in English.

Keynote speakers



Ph. D. Carolyn Fischer Carolyn Fischer is senior fellow at Resources for the Future and associated director of its Center for Climate and Electricity Policy. Her research focuses on policy mechanisms and modeling tools that cut across a variety of environmental and resource management issues. In the areas of climate change and energy policy, she has made contributions on designing cap-and-trade programs, fuel economy standards, renewable portfolio standards, energy efficiency programs, technology policies, the Clean Development Mechanism, and the evaluation of international climate policy commitments. A recent focus of her research is the interplay between international trade and climate policy, options for avoiding carbon leakage, and the implications for energy-intensive, trade-exposed sectors. In areas of natural resources management, she has addressed issues of eco-certification, wildlife conservation, invasive species, and biotechnology, with particular emphasis on the opportunities and challenges posed by international trade.

Ph. D. Subhrendu K. Pattanayak is Professor of Public Policy and Environment at Sanford School of Public Policy & Nicholas School of the Environment at Duke University. Professor Pattanayak leads an international initiative dedicated to study energy use and its impact on household's health. He is associated editor of the journal *Environment and Development Economics* and co-editor of the *Handbook of Environmental Economics*, North-Holland.

