

Tuesday, september 20, 2010

09h30 > 12h30

Salon de l'Océan

IFREMER Plouzané

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## < Right-based Fishery Management Program in Chile: How it was done and how it has worked >

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### Abstract

Right-based fishery management programs started to be introduced in Chile since the early 2000s. For the case of most industrial fisheries, company-allocated (and operationally transferable among firms) percentage-catch quotas were introduced since February 2001, with a 12-year validity horizon and the initial quota allocation being based on historical fishing presence. In the case of small-scale/artisanal (and *de facto* informal-exchange based) fisheries, percentage catch quotas at fishermen's organization level started to be gradually allocated since the early 2000s, and also based on historical fishing presence. In the artisanal sector, quota allocation programs entitled fishermen's organizations with (partially) discretionary powers for deciding how to distribute, use and control each organization's allocated quota among its members. This presentation will describe how these different right-based management programs were implemented, the different timings involved, the main interest groups that participated in the negotiations for deciding how and to whom assign catch quotas, the political compromises finally achieved and, finally, it will discuss some evidence about (i) production-related effects observed at different fisheries (including small-pelagic fisheries) and (ii) ex-post perceptions, about right based management schemes, from different groups of fishermen.

### Basic References

*El mar de oportunidades de las cuotas individuales de pesca*", *Observatorio Económico* 21 (Sept. 2008)  
(<http://www.economiaynegocios.uahurtado.cl/observatorio/pdf/pdf%20observatorio%20n21.pdf>)

*ITQs in Chile: Measuring the Economic Benefits of Reform*. (March 2007)

(<http://economia.uahurtado.cl/pdf/publicaciones/inv179.pdf>)

*Individual Transferable Fishing Quotas in Chile: Recent History and Current Debates* (May 2002)

(<http://economia.uahurtado.cl/pdf/publicaciones/inv139.pdf>)

J. Peña-Torres (1997). "The political economy of fishing regulation: the case of Chile", *Marine Resource Economics*, Vol. 12(4): 239-48

**Julio Peña-Torres**  
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### Education

University of London - *Ph.D. in Economics*, 1995  
(*Queen Mary College*)  
University of Oxford - *M.Sc. in Development Economics*, 1988  
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P. Universidad Católica de Chile (Santiago) - *M.A. (Master) in Economics*, 1986  
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### Key work experience

*Minister (Judge) at the Chilean Antitrust Tribunal (since 2004 up to date), Santiago-Chile*  
*Associate Professor*, Faculty of Economics & Business, Universidad Alberto Hurtado (from November 2001 up to date), Santiago-Chile (also *Professorial Lecturer*, Department of Economics, Georgetown University, since Jan. 2003 to date) (teaching: Industrial Organization, Natural Resource Economics; undergraduate and graduate courses)  
*Senior Economic Adviser* to Chilean Minister of Economics (Regulatory Issues; Fishing and Salmon Industries) (Sept. 2000 to 2004), Santiago-Chile  
*Permanent Lectureship in Economics*, School of Development Studies, University of East Anglia, Norwich, U.K. (teaching: Environmental & Resource Economics; Applied Industrial Organisation) (Oct. 1999 to Aug. 2000).  
*(Post-Doc) Research Associate*, Imperial College Centre for Environmental Technology (ICCET), University of London. (Project: The Economics of Nuclear Power in Liberalised Electricity Markets; Pricing of Carbon Emissions) (June 1996 to Sept. 1999)  
*Lecturer in Economics*, Department of Economics, Universidad de Chile, Santiago (Jan. 1993- Dec. 1995)  
*Teaching Assistant*, Department of Economics, Queen Mary College, University of London (teaching: Finance I, 3th yr. undergraduates in Economics) (1991-92)  
*Research Economist*, Chilean Ministry of Economic Planning (1986-1987)  
*Lecturer in Economics*, Department of Economics, P. Universidad Católica de Chile (1984-1987)

### Examples of Publications (2009-2000):

#### (A) Working Papers (Faculty of Economics & Business, Universidad Alberto Hurtado)

- I-247 "Auctions, Entry Deterrence & Divisibility of the Object for Sale", (c/G. Fernández). 28 Abril 2010. (<http://www.economia.uahurtado.cl/pdf/publicaciones/inv247.pdf>)  
I-236 "Disuasión de Entrada, Subastas repetidas y divisibilidad del Objeto en Venta". Diciembre 2009. (<http://www.economia.uahurtado.cl/pdf/publicaciones/inv236.pdf>)  
I-232 "Harvesting technology and catch-to-biomass dependence: The case of small pelagic fish". Diciembre 2009.

- (<http://www.economia.uahurtado.cl/pdf/publicaciones/inv232.pdf>)  
 I-217 *Fishing Location in the Chilean Transzonal Jack Mackerel Fishery*. Diciembre 2008.  
 (<http://www.economia.uahurtado.cl/pdf/publicaciones/inv217.pdf>)  
 I-179 *ITQs in Chile: Measuring the Economic Benefits of Reform*. Marzo 2007  
 (<http://economia.uahurtado.cl/pdf/publicaciones/inv179.pdf>)  
 I-165 *Informal Markets, Perishability and Vertical Control: Brokerage of Artisanal Landings*. Junio  
 2005 (<http://economia.uahurtado.cl/pdf/publicaciones/inv165.pdf>)

### **(B) Non-Chilean Journal Articles**

- J. Peña-Torres, S. Vergara y M. Basch (2004). “El Dilema de la Escala Productiva frente a Ciclos de Abundancia: La Pesca Industrial en Chile”, *El Trimestre Económico* N° 283 (Julio-Sept.): 575-612  
 J. Peña-Torres and P.J.G. Pearson (2000). “Carbon abatement and new investment in liberalised electricity markets: a nuclear revival in the UK? *Energy Policy* 28 (February): 115-135  
 J. Peña-Torres and M. Basch (2000). “Harvesting in a Pelagic Fishery: the case of Northern Chile”, *Annals of Operations Research* 94: 295-320 (Special Issue on Natural Resources)  
 J. Peña-Torres (1999). “Harvesting Preemption, Industrial Concentration and Enclosure of National Marine Fisheries”, *Environmental and Resource Economics* 14(4): 545-571  
 J. Peña-Torres, R. Serra y M. Basch (1999). “Who can Fish What and Where: Chile’s Trade-offs in High Seas Fishing of Transboundary Species”, *Marine Resource Economics* 14(3): 245-262.

### **(C) Chilean Journal Articles**

- J. Peña-Torres & G. Fernandez (2010), “Disuasión de Entrada, Subastas Repetidas y Divisibilidad del Objeto en Venta”, *Estudios de Economía*, vol. 37(1): 105-149  
 J. Bustos, J. Peña-Torres y M. Willington (2008). “Joint Ventures y Especialización Productiva en la Industria del Vino en Chile”, *Estudios Públicos* 109: 225-266  
 J. Peña-Torres, C. Agostini y S. Vergara (2007), “Fish stock endogeneity in the harvest function: ‘El Niño’ Effects on the Chilean Jack Mackerel Fishery”, *Revista de Análisis Económico (RAE)*, Diciembre, Vol. 22(2): 75-99.  
 J. Peña-Torres, J. Bustos y C. Pérez (2006), “Mercados Informales y Control Vertical: Comercialización de Producción Perecible”, *Estudios Públicos* 101 (Verano): 239-282.  
 J. Peña-Torres, J. Aguirre & R. Cerda (2004). “Pesca Demersal en Chile: Eficiencia Técnica y Escalas de Operación”, *Revista de Análisis Económico* Vol. 19(1) (Julio): 119-160.  
 J. Peña-Torres, M. Basch y S. Vergara (2003). “Eficiencia Técnica y Escalas de Operación en Pesca Pelágica: Un análisis de fronteras estocásticas”, *Cuadernos de Economía* Vol. 40, No. 119 (Abril): 43-83.  
 J. Peña-Torres (2002). “Debates sobre Cuotas Individuales Transferibles: ¿‘Privatizando’ el Mar? ¿Subsidios? o ¿Muerte Anunciada de la Pesca Extractiva en Chile?”, *Estudios Públicos* 86 (Mayo): 183- 222

### **(D) Chapters in Books**

- S.F Herrick, J.G. Norton, R. Hannesson, R. Sumaila, M. Ahmed, J. Peña-Torres (2009). “Global Production and Economics of Small Pelagic Fish”, ch. 11 in D. Checkley, C. Roy, J. Alheit & Y. Oozeki (eds.), *Climate Change and Small Pelagic Fish*, Cambridge University Press.