ECONSTOR Make Your Publications Visible.

A Service of

ZBW

Leibniz-Informationszentrum Wirtschaft Leibniz Information Centre for Economics

Nunes, Paulo A.L.D.; Rossetto, Luca; de Blaeij, Arianne

Working Paper Monetary Value Assessment of Clam Fishing Management Practices in the Venice Lagoon: Results from a Stated Choice Exercise

Nota di Lavoro, No. 67.2003

Provided in Cooperation with: Fondazione Eni Enrico Mattei (FEEM)

Suggested Citation: Nunes, Paulo A.L.D.; Rossetto, Luca; de Blaeij, Arianne (2003) : Monetary Value Assessment of Clam Fishing Management Practices in the Venice Lagoon: Results from a Stated Choice Exercise, Nota di Lavoro, No. 67.2003, Fondazione Eni Enrico Mattei (FEEM), Milano

This Version is available at: https://hdl.handle.net/10419/118089

Standard-Nutzungsbedingungen:

Die Dokumente auf EconStor dürfen zu eigenen wissenschaftlichen Zwecken und zum Privatgebrauch gespeichert und kopiert werden.

Sie dürfen die Dokumente nicht für öffentliche oder kommerzielle Zwecke vervielfältigen, öffentlich ausstellen, öffentlich zugänglich machen, vertreiben oder anderweitig nutzen.

Sofern die Verfasser die Dokumente unter Open-Content-Lizenzen (insbesondere CC-Lizenzen) zur Verfügung gestellt haben sollten, gelten abweichend von diesen Nutzungsbedingungen die in der dort genannten Lizenz gewährten Nutzungsrechte.

Terms of use:

Documents in EconStor may be saved and copied for your personal and scholarly purposes.

You are not to copy documents for public or commercial purposes, to exhibit the documents publicly, to make them publicly available on the internet, or to distribute or otherwise use the documents in public.

If the documents have been made available under an Open Content Licence (especially Creative Commons Licences), you may exercise further usage rights as specified in the indicated licence.



WWW.ECONSTOR.EU

Monetary Value Assessment of Clam Fishing Management Practices in the Venice Lagoon: Results from a Stated Choice Exercise Paulo A.L.D. Nunes, Luca Rossetto and Arianne de Blaeij NOTA DI LAVORO 67.2003

JULY 2003 SIEV – Sustainability Indicators and Environmental Valuation

Paulo A.L.D. Nunes, Ca' Foscari University Venice, Fondazione Eni Enrico Mattei and Free University Amsterdam Luca Rossetto, University of Padova Arianne de Blaeij, Free University Amsterdam

This paper can be downloaded without charge at:

The Fondazione Eni Enrico Mattei Note di Lavoro Series Index: http://www.feem.it/Feem/Pub/Publications/WPapers/default.html

Social Science Research Network Electronic Paper Collection: http://papers.ssrn.com/abstract_id=XXXXXX

The opinions expressed in this paper do not necessarily reflect the position of Fondazione Eni Enrico Mattei

Monetary Value Assessment of Clam Fishing Management Practices in the Venice Lagoon: Results from a Stated Choice Exercise

Summary

This article focuses on the economic valuation of alternative clam management practices in the Venice Lagoon. The proposed valuation method is characterized by the design of a survey questionnaire next to the fishermen population. In each questionnaire two fishing alternatives are described. The respondent is asked to choose one of them. This valuation method, referred in the article as conjoint valuation, gives sufficient flexibility to set, alter, and combine different management practices. Furthermore, this approach presents an important advantage to the well-known contingent valuation method since it makes the monetary valuation of each management attribute possible. Estimation results of the random utility model show that fishermen's willingness to pay for a larger clam fishing area is approximately 568 € per year. In addition, an individual fisherman would be willing to pay 1,005 € for a change from today's fishing situation practice towards a fishing practice exclusively based on vibrant rake system. If we take into account the interaction between fishing management attributes and fishermen characteristics, we can see that the valuation of each management practice differs substantially across the two populations. We can observe that the population of fishermen that operate in the cooperative regime presents not only a higher monetary valuation for an increase in the dimension of the fishing concession, which is now valued at 811 €, but also a stronger willingness to pay for a change from today's fishing situation towards a fishing practice exclusively based on vibrant rake system, which is now estimated at $2,456 \in$. Finally, the adoption of a clam fish management practice in Venice Lagoon that is exclusively based on the use of manual rakes, which is associated to the lowest damage to the Lagoon ecosystem, will represent a welfare loss of 5,904 € per fisherman per year. Combining this value with the total number of fishermen currently operating in the Lagoon of Venice, the welfare loss associated with the adoption of such clam management policy that is exclusively based on the use of manual rakes amounts to $11.8 \notin$ million per year. This figure can be regarded as an upper bound to the cost of implementation of a clam fishing system anchored in the use of manual, ecosystem friendly rakes.

Keywords: Exotic marine species, Fishing rakes, Manila clam, Fishing effort, Open access, Welfare damages, Policy guidance, Permit price.

JEL: C25, C29, D62, H41, Q20, Q25, Q30

This research was funded by a grant from the Consortium for Managing the Coordination Centre of the Research Activities concerning the Venice Lagoon System (CORILA) within its Research Programme 2000-2004, in particular the research line 1.1 "Economic valuation of environmental goods".

Address for correspondence: Paulo A.L.D.Nunes Fondazione Eni Enrico Mattei Palazzo Querini Stampalia Castello 5252 30122 Venice Italy Fax: +39-041-2711-461 E-mail: pnunes@unive.it

I. Introduction

This article focuses on the estimation, and discussion, of the economic valuation results of alternative clam fishing management practices in the Lagoon of Venice. The proposed valuation approach is anchored in the use of the stated preference methodology and it is characterized by the design of a contingent choice survey, which was carried out by personal interviewers (see 'Exploring the use of stated preferences methods to value fish management practices' for more details on the involved econometric modeling and survey design aspects). The organization of the article is as follows. Section 2 describes the recent fish management practices, as a result of the introduction of exotic clam species in the Venice Lagoon. Section 3 discusses the range of the economic estimates and evaluates these for different policy scenarios. Section 4 concludes.

II. Statement of the natural resource problem

A. Clam fish management practices in the lagoon of Venice

Clam fishing in the Lagoon of Venice comes from several fishing activities. These include fishing in lagoon canals and water areas; valley fishing; farm fishing (aquaculture); and clam fishing (CVN 1999). These activities involved the harvest of two endemic species, Tapes decussatus, and Scrobicularia plana. Originally, clam fishing relied on manual rakes and triangular iron dredges, also known by the local fishermen population as 'cassa'. Such a traditional fishing practice goes back to the Serenissima Republic as was characterized by many restrictions. For example, nets had to conform to pre-determined models, their mesh needed to be of a certain dimension, and fishing was absolutely forbidden in some periods of the year (see Ninni 1940, Pellizzato and Giorgiutti 1997). Until recently, clam fishing activity in the lagoon continued to be strongly regulated. The local authority together with fishing cooperatives controlled the fishing activity by fixing prices and amounts of catch, as well as defining and managing specific areas in the lagoon (Bevilacqua 1998). Furthermore, until the end of the Second World War motorboats were limited to the port of Chioggia. Elsewhere in lagoon there were only rowing and sailing boats. Their main fishing systems were limited to trawl nets, fyke-nets, gillnets, seine nets, and other manual equipments (Brunelli et al. 1940, Zolezzi 1944).

Today more than 2,000 people are employed in the clam fishery sector. The current cam fishing practice is characterized by an open access situation. In other words, in order to fish in the Lagoon, it is necessary to buy a license. There is no limit of the total licenses issued per fishing season. This fact together with the high revenues associated with clam fishing have

encouraged an increasing fishing effort, resulting in the adoption of technological intensive equipment and the progressive abandon of the traditional fishing practices (Pellizzato and Giorgiutti 1997). In this context, the Lagoon has been assisting the widespread of mechanical and vibrating fishing equipments, including the use of suction dredgers and rakes for harvesting clams (see Figure 1).

*** Introduce Figure 1 about here ***

B. The introduction of the exotic clam species

The clam fishing effort in the Lagoon has strongly increased since 1983, coinciding with the introduction of Tapes philippinarum, also called the Manila clam in the Lagoon. This exotic species originally comes from the Indo-Pacific region and it has rapidly adapted to the lagoon environment. Now it is responsible for colonising large shallow areas and competing directly in the ecological niche with the endemic clam species. Furthermore, the relatively high market price of this species, ranging from 1.6 to 3.6 euro a kilogram, has contributed to an increase of the Manila clam fishing profitability. Because of the open access situation, many operators came into this activity. Most of them adopted mechanical equipment, such as the vibrating rake technology, used exclusively for the harvest of this shellfish. All together, this has led to significant in the fish management practices. For example, in 1998, the fishing fleet was composed of about 600 vessels, 84 of which used vibrating rake technology. The vibrating rake is equipped with an electrical cage, shaking and filtering sediment mechanisms with a capacity to harvest 150 to 200 kg of clam shellfish a day (Pellizzato et al 2000). Manila clams live at water bottom and for this reason they are very sensitive to water movements and to deposit and accumulation of water sediments (Orel et al. 1997). Since the harvest of this shellfish implies sediment movements, these have become exceptionally significant with the introduction of mechanical and vibrating fishing equipments. Therefore, the adoption of these vibrating technologies has brought unavoidable negative environmental impacts on the morphology, processes and marine life functions of the Lagoon (ICRAM 1994, Pranovi and Giovanardi 1994, Sfriso 2000).

These management practices are currently are far and away from being a sustainable economical activity as they have been causing unprecedented damages to the marine system. For example, market data shows a diminishing supply of approximately 40% between 2000 and 2001 due to a reduction in the clam's stock (see Granzotto *et al.* 2002 for additional details). To make matters worse, such a heavy fishing pressure has been followed by an

increased pollution in the Lagoon due to the neighborhood industrial activities, such a the oil refineries located at Marghera. These have also contributed to caused significant environmental damage to the marine ecosystem, including the destruction of nursery areas and feeding grounds of many commercial fishes.

In such a context, the economic valuation of alternative clam management practices is of central importance since it sheds light in the involved welfare changes (see van den Bergh *et al.* 2002, Nunes and van den Bergh 2002). These can be compared with the benefits derived from protecting the Lagoon from environmental damage across alternative policy scenarios. Valuation results are presented and discussed in the following section.

III. Monetary valuation results

The questionnaire was carried out in summer 2001. The sampling was executed across the two main areas of the Lagoon: the northern area, including Burano, and the southern area. The questionnaire was performed by face-to-face interviews, involving the participation of researchers with high levels of field knowledge as the interviewers. The interviewers contacted 193 fishermen, 114 of which completed the questionnaire. The non-participation rate is therefore about 40 percent. Figure 2 shows the descriptive statistics of the surveys responses.

*** Introduce Figure 2 about here ***

The present questionnaire only contains one section, the contingent choice question. The empirical specification of the random utility model is characterized by decomposing the systematic utility component in terms of price of the permit, area of fishing concession, and the type of fishing system. The valuation results are presented in Table 1a. First, we can observe that all explanatory variable estimates reveal to be statistically significant at the 90 percent level indicating that respondents receive an utility change whenever these change. Second, estimation results show that the probability of the choice of a management practice is positively related to the dimension of the fishing concession area, i.e. any policy option that is characterized by increasing the fishing area is ceteris paribus associated with an increase of the utility and therefore supported by the fishermen. Third, the choice of a management practice reveals to be negatively related to its associated costs, reflecting the fact that higher prices result in lower utilities. Finally, the choice of a management practice reveals to be positively related to its degree of technology, measured in a three-level attribute. In other

words, any policy option that is characterized by the exclusive use of a vibrant rake is, ceteris paribus, associated with a positive impact in fishermen's welfare and thus connected with a higher probability of choice.

*** Introduce Table 1a and Table 1b about here ***

In the present application, stated preference results are used to predict the monetary impact of changing the dimension of the fishing area and type of fishing system on fishing behavior. Monetary valuation results show that the amount of money that an individual fisherman would be willing to pay for a change in the dimension of the fishing concession is $568 \in$. In addition, Table 3b shows that the economic welfare impact of a change in the clam management practice, due to a change in the fishing system amounts to $1,005 \in$. In other words, an individual fisherman would be willing to pay 1,005 \in for a change from today's fishing situation towards a fishing practice exclusively based on the vibrant rake system.

We can also observe that only a relatively small part of the variance of the observed stated preference behavior can be explained by these fishing-related-attributes, the R^2 is about 19 percent. As a consequence the respective monetary valuation results are characterized by relatively wide interval estimates. For example, according to Table 3b, fishermen's WTP for a larger fishing concession ranges between $125 \in$ and $1,732 \in$. In order to improve MNL estimation results, we study the degree to which preferences for fishing programs differ between the two segments of the fishermen population. In this context, two fishing segments were defined, corresponding to two types of fishing regimes in the Venice Lagoon. One fishing regime refers to a fishing fleet that is composed of vessels jointly managed by cooperatives. The other refers to a fishing regime that is characterized by smaller and individually owned vessels. While the former are currently submitted to a set of cooperative managing rules, the latter are often managed by private individuals, who predominantly fish as a complementary income source to their main economic activity. In addition, some of these individuals are unauthorized or illegal fishermen.

Therefore, we explore an additional model formulation, see Table 2a, which includes interactions of operations in collective regime and operations in individual regime (individual characteristics) with the attributes originally under consideration at the stated preferences model. In fact, the introduction of such information contributed to a significant qualitative improvement of our econometric model. This is now capable of explaining more than thirty percent of the variance of the observed stated preferences behavior – see R^2 in Table 2a.

As before, estimation results show that as the price of the permit increases, utility decreases. Similarly, as the concession area increases, utility increases. In addition, regime interactions coefficients are added to the main effects for fishermen who operate in the cooperative regime. Since fishermen who operate in the individual regime are coded as zero, we can see that fishermen who operate in the cooperative regime present a higher sensitivity to the price of the permits, see the estimate for regime*price cross effect in Table 2a. In fact, for the population that operate in the individual regime, a price increase is characterized by a negative impact in the utility and estimated to be of the magnitude – 0.0007. In contrast, the fishermen population who operate in the cooperative regime this impact decreases to – 0.0028 (= -0.0007 - 0.0011). Independently of the type of fishermen, price estimates are statistically significant indicating that, everything held constant, fishermen continue to receive more utility from lower prices.

*** Introduce Table 2a and Table 2b about here ***

We can also observe that a change in the dimension of the concession area presents stronger impact on the utility of the population of the fishermen who operate in the cooperative regime than on fishermen who operate in the individual regime, 1.167 and 0.5814 respectively. Finally, estimation results show that the welfare impact of a change in the fishing system differs substantially across the two fishermen populations, which is particularly strong for the fishermen who operate in the cooperative regime. Such parameter estimates are reflected in the economic welfare measurements – see Table 2b. In fact, when comparing these valuation results with the ones presented in Table 1b, which represents the polled fisherman population, we can observe that the population of fishermen who operate in the cooperative regime present higher monetary valuation for an increase in the dimension of the fishing concession, which is now valued at $811 \in$. In addition, this population is characterized by a stronger willingness to pay for a change from today's fishing situation towards a fishing practice exclusively based on vibrant rake system, which is now estimated at $2.456 \in$.

Finally we address a policy issue related to the economic value assessment exercise of a change in the clam management practice in Lagoon Venice due to an adoption of a clam system exclusively based the use of manual rakes, which are described as the showing the lowest environmental damage. In other words, how much would it cost to pay all fishermen, independently of their current fishing equipment, to adopt such an environmental friendly clam fishing technology? According to our calculations – see Table 3a and 3b – the financial

costs associated with the adoption of such a policy is estimated to be 5,904 \in per fisherman per year, ranging up to a maximum of 80,160 \in per fisherman per year, depending on the type of fishermen population and current management practice. Combining this value with the total number of fishermen currently operating in the Lagoon of Venice, the total welfare loss associated with the adoption of the manual clam fishing technology is estimated to at 11.8 \in million per year. This information is crucial for the evaluation of the costs due to the adoption of a clam fishing system based on the use of manual rakes. In this context, this figure can be regarded as an lower bound to the benefits of implementation of a clam fishing system based associated with the lowest environmental damage in the Lagoon.

IV. Conclusions

This article focused on the economic valuation of alternative clam management practices in the Lagoon of Venice. The proposed valuation method is characterized by the design of a questionnaire. Estimation results show that: (1) fishermen bear an utility change whenever the price of the annual permit, the fishing technological system and the dimension of the fishing area change; (2) the probability of the choice of a management practice is positively related to the dimension of the fishing concession area and the level of technology. In other words, any policy option that is characterized by the exclusive use of the vibrating and scrapers fishery system is associated with a positive impact in fishermen's welfare. Furthermore, (3) the choice of a management practice reveals to be negatively related to its associated costs, reflecting the fact that higher prices of the annual permit result in lower utilities.

In addition, economic results show that individual fisherman value: (1) positively the enlargement of the fishing area (ranging from 568 \in to 811 \in , ha/year); (2) positively the change from today's fishing situation practice towards a fishing practice exclusively based on the vibrant rake system (ranging from 1,005 \in to 2,455 \in , year); (3) negatively the change from today's fishing situation practice towards a fishing practice exclusively based in the use of manual, ecosystem friendly rakes (5,905 \in to 80,160 \in , year). Furthermore, combining the valuation results with the fishermen population (2,000) means that the adoption of a clam fishing management practice that is exclusively based on the use of the manual rakes will be associated with a welfare loss that ranges from 11.8 \in to 160.3 \in million per year. Such a range reflects that the welfare impact of a change in clam management practices differs substantially across the population of fishermen that operates in the cooperative regime and the population of fishermen that operates in the individual regime. Finally, from a policy perspective the adoption of a clam fish management practice anchored in the use of manual,

ecosystem friendly rakes, and associated forgone environmental damages on the morphology processes and marine life functions, will require an annual a lump sum payment to the fisherman population that amounts to no less than 11.8 €million per year.

Reference

Bevilacqua, P. (1998) Venezia e La Acque, Donzelli Press, Venice, Italy.

- Boatto, V., L. Galletto, G. Orel, M. Pellizzato, L. Rossetto, A. Sfriso, S. Silvestri and A. Zentilin (2002) 'Evaluation of alternative scenarios for alieutic resources management in the Lagoon of Venice', Working Paper presented at 1st Corila Conference, Isola di San Servolo, Venice, Italy.
- Brunelli, G. (1940) 'La pesca nella laguna: parte generale e introduttiva', in G. Brunelli, G. Magrini, L. Milani and P. Orsi, *La laguna di Venezia*, Essay, Vol. III, section IV, tome IX, par. LII, Venice, Italy.
- CVN Consorzio Venezia Nuova (1999) Monitoraggio delle Attività di Pesca Artigianale e del Pescato in Laguna Aperta, Accordo di Programma Magistrato alle Acque, Provincia di Venezia, Final report.
- Granzotto, A., P. Franzoi, A. Longo, F. Pranovi and P. Torricelli (2002) 'La pesca nella laguna di Venezia: un percorso di sostenibilità nel recupero delle tradizioni Lo stato dell'arte', Working Paper, Fondazione Eni Enrico Mattei, Venice, Italy.
- ICRAM (1994) 'Indagine preliminare sull'utilizzo della draga idraulica (turbosoffiante) per la pesca dei bivalvi in ambiente lagunare', *Quaderni*, **7**.
- Ninni, E. (1940) 'Attrezzi e sistemi di pesca nella Laguna', in G. Brunelli, G. Magrini, L. Milani P. Orsi, *La laguna di Venezia*, Essay, Vol. III section IV, tome IX, par. LII, Venice, Italy.
- Nunes, P.A.L.D. and J.C.J.M. van den Bergh (2002) "Measuring the economic value of a marine protection program against the introduction of non-indigenous species in the Netherlands", *Tinbergen Institute Discussion Paper 057/3*, 54 pages, Tinbergen Institute, The Netherlands.
- Orel, G., G. Di Silvio and G. Pessa G. (1997) *Effetti della Draga e del Rastrello sul Sistema Lagunare*, Report for the judictial act n. 20729/96 R.G.N., Venice, Italy.
- Pelizzato, M., R. Rossi, C. Solidoro, R. Pastres and C.D. Melaku (2000) 'Modelling the growth of Tapes philippinarum in Northern Adriatic lagoons', *Marine Ecology Series*, 199, pp. 137-148.
- Pellizzato, M. and E. Giorgiutti (1997) *Attrezzi e Sistemi di Pesca nella Provincia di Venezia*, Provincia di Venezia, Venice, Italy.

- Pranovi, F. and O. Giovanardi (1994) 'The impact of hydraulic dredging for short-necked clams on an infaunal community in the lagoon of Venice', *Science Marine*, **58**, pp. 345-353.
- Rabagliati, R. (1984) 'Caratteristiche idrodinamiche e tendenze evolutive della laguna di Venezia', in (WWF, eds) *Laguna Conservazione di un* Ecosistema, Arsenale Press, Venice, Italy.
- Sfriso, A. (2000) 'Eutrofizzazione e inquinamento delle acque e dei sedimenti nella parte centrale della laguna di Venezia', in (CVN, MAV, LLPP, eds), *Nuovi Interventi per la Salvaguardia di Venezia*, vol. 3, Venice, Italy.
- van den Bergh, J.C.J.M., P.A.L.D. Nunes, H.M. Dotinga, W.H.C.F. Kooistra, E.G. Vrieling and L. Peperzak (2002) "Exotic harmful algae in marine ecosystems: an integrated biological-economic-legal analysis of impacts and policies", *Marine Policy*, **26**, pags. 59-74
- Zolezzi, G. (1944) 'La pesca nella provincia di Venezia', Bollettino Pesca, Piscicoltura e Idrobiologia, **22**, pp. 155-231.

Variable	Estimate	p-value
Price of the permit	-0.0006	0.000 *
Area	0.3340	0.005 *
Fishing system ^(b)	-0.6017	0.085 **
Adjusted R ²	0.1911	

Table 1a: Stated preferences model estimates ^(a)

WTP for	Point estimate	95% Confidence Interval ^(d)	
Area	568 € (1.70) ^(c)	[125 € ; 1 732 €]	
Fishing system ^(b)	1 005 € (1.36) ^(c)	[-119€; 3 236€]	

Table 1b: Economic welfare measurement

Notes:

 $^{*(**)}$ Statistically significant at 5% (10%).

^(a) Calculations are performed using the MULTINOMIAL LOGIT procedure in $LIMDEP^{\mathbb{R}}$.

^(b) Ordinal categorical variable with 0 = today (benchmark), 1 = manual, and -1 =vibrant.

^(c) t-values are computed using the delta method.
 ^(d) CI is estimated using the asymtotic t-test method as described by Armstrong *et al.*

(2001).

Variable	Estimate	p-value
Price of the permit	-0.0007	0.008 *
Area	0.5814	0.008 *
Fishing system ^(b)	- 1.7661	0.013
Regime ^(c) * Price	- 0.0011	0.316
Regime ^(c) * area	0.5856	0.492
Regime ^(c) * system	4.2996	0.052 *
Adjusted R ²	0.3023	

Table 2a: Stated preferences model estimates with cross effects for the fishing regime ^(a)

WTP for	Point estimate	95% Confidence Interval ^(e)
Area	811 € (1.97) ^(d)	[225 € ; 2 917 €]
Fishing system ^(b)	2 456 € (1.84) ^(d)	[403 € ; 8 340 €]

Table 2b: Economic welfare measurement

Notes:

 $^{*\,(**)}$ Statistically significant at 5% (10%).

^(a) Calculations are performed using the MULTINOMIAL LOGIT procedure in $LIMDEP^{\mathbb{R}}$.

(b) Ordinal categorical variable (0 = today, 1 = exclusively manual, <math>-1 = exclusively

vibrant). (c) Regime is a dummy variable with 1 denoting regime cooperative and 0 regime

^(d) t-values are computed using the delta method.

^(e) CI is estimated using the asymtotic t-test method as described by Armstrong *et al.* (2001)

Variable	Estimate	p-value
Price of the permit	- 0.0003	0.030 *
Area	0.2787	0.031 *
Fishing system = Manual	- 1.8644	0.013 *
Regime ^(b) * Price	- 0.0015	0.170
Regime ^(b) * area	0.8888	0.292
Regime ^(b) * manual	4.4041	0.048 *
Adjusted R ²	0.3023	

Table 3a: Model estimation with cross effects for the fishing regime ^(a)

WTP for	Point estimate	95% Confidence Interval ^(d)
Fishing system = Manual	- 5 904 € (1.66) ^(c)	[-80 160 € ; -953 €]

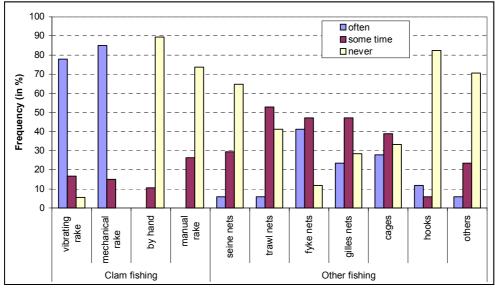
Notes:

* Statistically significant at 5%.

^(a)Calculations are performed using the MULTINOMIAL LOGIT procedure in *LIMDEP*[®]. ^(b) Regime is a dummy variable with 1 denoting regime cooperative and 0 regime

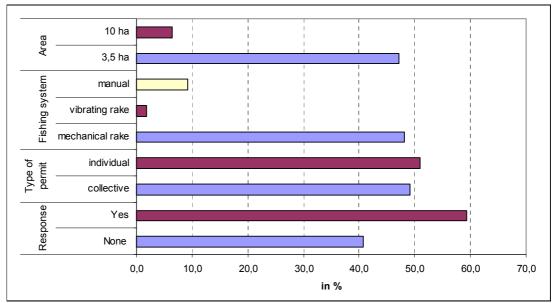
individual

 ^(c) t-values are computed using the delta method.
 ^(d) CI is estimated using the asymtotic t-test method as described by Armstrong *et al*. (2001)



Source: Boatto et al. (2002)

Figure 1 - Diffusion of fishing equipments in the Lagoon of Venice



Source: Boatto et al. (2002)

Figure 2 - Descriptive statistics of contingent choice questionnaire

NOTE DI LAVORO DELLA FONDAZIONE ENI ENRICO MATTEI Fondazione Eni Enrico Mattei Working Paper Series

Our working papers are available on the Internet at the following addresses: http://www.feem.it/Feem/Pub/Publications/WPapers/default.html

http://papers.ssrn.com

SUST	1.2002	K. TANO, M.D. FAMINOW, M. KAMUANGA and B. SWALLOW: Using Conjoint Analysis to Estimate Farmers'
		Preferences for Cattle Traits in West Africa
ETA	2.2002	Efrem CASTELNUOVO and Paolo SURICO: What Does Monetary Policy Reveal about Central Bank's
	2 2002	Preferences?
WAT	3.2002	Duncan KNOWLER and Edward BARBIER: The Economics of a "Mixed Blessing" Effect: A Case Study of the
OF D (1 2002	Black Sea
CLIM	4.2002	Andreas LÖSCHEL: Technological Change in Economic Models of Environmental Policy: A Survey
VOL	5.2002	Carlo CARRARO and Carmen MARCHIORI: Stable Coalitions
CLIM	6.2002	Marzio GALEOTTI, Alessandro LANZA and Matteo MANERA: Rockets and Feathers Revisited: An International
		Comparison on European Gasoline Markets
ETA	7.2002	Effrosyni DIAMANTOUDI and Effichios S. SARTZETAKIS: Stable International Environmental Agreements: An
		Analytical Approach
KNOW	8.2002	Alain DESDOIGTS: Neoclassical Convergence Versus Technological Catch-up: A Contribution for Reaching a
		Consensus
NRM	9.2002	Giuseppe DI VITA: Renewable Resources and Waste Recycling
KNOW	10.2002	Giorgio BRUNELLO: Is Training More Frequent when Wage Compression is Higher? Evidence from 11
		European Countries
ETA	11.2002	Mordecai KURZ, Hehui JIN and Maurizio MOTOLESE: Endogenous Fluctuations and the Role of Monetary
		Policy
KNOW	12.2002	Reyer GERLAGH and Marjan W. HOFKES: Escaping Lock-in: The Scope for a Transition towards Sustainable
		Growth?
NRM	13.2002	Michele MORETTO and Paolo ROSATO: The Use of Common Property Resources: A Dynamic Model
CLIM	14.2002	Philippe QUIRION: Macroeconomic Effects of an Energy Saving Policy in the Public Sector
CLIM	15.2002	Roberto ROSON: Dynamic and Distributional Effects of Environmental Revenue Recycling Schemes:
		Simulations with a General Equilibrium Model of the Italian Economy
CLIM	16.2002	Francesco RICCI (1): Environmental Policy Growth when Inputs are Differentiated in Pollution Intensity
ETA	17.2002	Alberto PETRUCCI: Devaluation (Levels versus Rates) and Balance of Payments in a Cash-in-Advance
		Economy
Coalition	18.2002	László Á. KÓCZY (liv): The Core in the Presence of Externalities
Theory		
Network		
Coalition	19.2002	Steven J. BRAMS, Michael A. JONES and D. Marc KILGOUR (liv): Single-Peakedness and Disconnected
Theory		
Network		Coalitions
Coalition	20.2002	Guillaume HAERINGER (liv): On the Stability of Cooperation Structures
Theory		
Network		
NRM	21.2002	Fausto CAVALLARO and Luigi CIRAOLO: Economic and Environmental Sustainability: A Dynamic Approach
a. n. /		in Insular Systems
CLIM	22.2002	Barbara BUCHNER, Carlo CARRARO, Igor CERSOSIMO and Carmen MARCHIORI: Back to Kyoto? US
or n (a a a aaa	Participation and the Linkage between R&D and Climate Cooperation
CLIM	23.2002	Andreas LÖSCHEL and ZhongXIANG ZHANG: The Economic and Environmental Implications of the US
	24 2002	Repudiation of the Kyoto Protocol and the Subsequent Deals in Bonn and Marrakech
ETA	24.2002	Marzio GALEOTTI, Louis J. MACCINI and Fabio SCHIANTARELLI: Inventories, Employment and Hours
CLIM	25.2002	Hannes EGLI: Are Cross-Country Studies of the Environmental Kuznets Curve Misleading? New Evidence from
	26 2002	Time Series Data for Germany
ETA	26.2002	Adam B. JAFFE, Richard G. NEWELL and Robert N. STAVINS: Environmental Policy and Technological
GLIGT	27 2002	Change
SUST	27.2002	Joseph C. COOPER and Giovanni SIGNORELLO: Farmer Premiums for the Voluntary Adoption of
OLICT	20 2002	Conservation Plans
SUST	28.2002	<u>The ANSEA Network: Towards An Analytical Strategic Environmental Assessment</u>
KNOW	29.2002	Paolo SURICO: Geographic Concentration and Increasing Returns: a Survey of Evidence
ETA	30.2002	Robert N. STAVINS: Lessons from the American Experiment with Market-Based Environmental Policies

NRM	31.2002	Carlo GIUPPONI and Paolo ROSATO: Multi-Criteria Analysis and Decision-Support for Water Management at
	51.2002	the Catchment Scale: An Application to Diffuse Pollution Control in the Venice Lagoon
NRM	32.2002	Robert N. STAVINS: National Environmental Policy During the Clinton Years
KNOW	33.2002	A. SOUBEYRAN and H. STAHN : Do Investments in Specialized Knowledge Lead to Composite Good
KNOW	24 2002	Industries?
KNOW	34.2002	G. BRUNELLO, M.L. PARISI and Daniela SONEDDA: Labor Taxes, Wage Setting and the Relative Wage Effect
CLIM	35.2002	C. BOEMARE and P. QUIRION (lv): Implementing Greenhouse Gas Trading in Europe: Lessons from
CLIM	55.2002	Economic Theory and International Experiences
CLIM	36.2002	T.TIETENBERG (lv): The Tradable Permits Approach to Protecting the Commons: What Have We Learned?
CLIM	37.2002	K. REHDANZ and R.J.S. TOL (lv): On National and International Trade in Greenhouse Gas Emission Permits
CLIM	38.2002	C. FISCHER (lv): Multinational Taxation and International Emissions Trading
SUST	39.2002	G. SIGNORELLO and G. PAPPALARDO: Farm Animal Biodiversity Conservation Activities in Europe under
NRM	40.2002	the Framework of Agenda 2000 S.M. CAVANAGH, W. M. HANEMANN and R. N. STAVINS: Muffled Price Signals: Household Water Demand
	40.2002	under Increasing-Block Prices
NRM	41.2002	A. J. PLANTINGA, R. N. LUBOWSKI and R. N. STAVINS: The Effects of Potential Land Development on
		Agricultural Land Prices
CLIM	42.2002	C. OHL (lvi): Inducing Environmental Co-operation by the Design of Emission Permits
CLIM	43.2002	J. EYCKMANS, D. VAN REGEMORTER and V. VAN STEENBERGHE (lvi): Is Kyoto Fatally Flawed? An
CUM	44 2002	<u>Analysis with MacGEM</u> A. ANTOCI and S. BORGHESI (1vi): Working Too Much in a Polluted World: A North-South Evolutionary
CLIM	44.2002	A. ANTOCI and S. BORGHESI (191): <u>working 100 Much in a Polluted world: A North-South Evolutionary</u> Model
ETA	45.2002	<i>P. G. FREDRIKSSON, Johan A. LIST and Daniel MILLIMET</i> (lvi): Chasing the Smokestack: Strategic
		Policymaking with Multiple Instruments
ETA	46.2002	Z. YU (lvi): A Theory of Strategic Vertical DFI and the Missing Pollution-Haven Effect
SUST	47.2002	Y. H. FARZIN: Can an Exhaustible Resource Economy Be Sustainable?
SUST	48.2002	Y. H. FARZIN: Sustainability and Hamiltonian Value
KNOW	49.2002	C. PIGA and M. VIVARELLI: Cooperation in R&D and Sample Selection
Coalition	50.2002	M. SERTEL and A. SLINKO (liv): Ranking Committees, Words or Multisets
Theory		
Network	51 2002	Course CURRADINI (line). Stable Operations with Enternalities
Coalition Theory	51.2002	Sergio CURRARINI (liv): Stable Organizations with Externalities
Network		
	52 2002	Robert N STAVINS: Experience with Market-Based Policy Instruments
ETA	52.2002 53.2002	Robert N. STAVINS: Experience with Market-Based Policy Instruments C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and
	52.2002 53.2002	
ETA ETA CLIM	53.2002 54.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty
ETA ETA	53.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market-
ETA ETA CLIM ETA	53.2002 54.2002 55.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies
ETA ETA CLIM ETA SUST	53.2002 54.2002 55.2002 56.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs
ETA ETA CLIM ETA	53.2002 54.2002 55.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of
ETA ETA CLIM ETA SUST SUST	53.2002 54.2002 55.2002 56.2002 57.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests
ETA ETA CLIM ETA SUST	53.2002 54.2002 55.2002 56.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of
ETA ETA CLIM ETA SUST SUST SUST	53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation?
ETA ETA CLIM ETA SUST SUST	53.2002 54.2002 55.2002 56.2002 57.2002 58.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staving Together
ETA ETA CLIM ETA SUST SUST SUST	53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staving Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary
ETA ETA CLIM ETA SUST SUST SUST SUST VOL	53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staving Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union
ETA ETA CLIM ETA SUST SUST SUST	53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staying Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F.WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic
ETA ETA CLIM ETA SUST SUST SUST VOL ETA	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staying Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F.WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV	53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staying Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F. WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: Demand Growth, Entry and Collusion Sustainability
ETA ETA CLIM ETA SUST SUST SUST VOL ETA	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staying Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F.WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV	53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staying Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F.WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: Demand Growth, Entry and Collusion Sustainability Federico MUNARI and Raffaele ORIANI: Privatization and R&D Performance: An Empirical Analysis Based on
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV PRIV PRIV	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002 63.2002 64.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staving Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary <u>Union</u> Robert N. STAVINS, Alexander F.WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: Demand Growth, Entry and Collusion Sustainability Federico MUNARI and Raffaele ORIANI: Privatization and R&D Performance: An Empirical Analysis Based on Tobin's Q Federico MUNARI and Maurizio SOBRERO: The Effects of Privatization on R&D Investments and Patent Productivity
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV PRIV	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002 63.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staying Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary <u>Union</u> Robert N. STAVINS, Alexander F.WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: Demand Growth, Entry and Collusion Sustainability Federico MUNARI and Raffaele ORIANI: Privatization and R&D Performance: An Empirical Analysis Based on <u>Tobin's Q</u> Federico MUNARI and Maurizio SOBRERO: The Effects of Privatization on R&D Investments and Patent <u>Productivity</u> Orley ASHENFELTER and Michael GREENSTONE: Using Mandated Speed Limits to Measure the Value of a
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV PRIV PRIV SUST	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002 63.2002 64.2002 65.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staying Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F. WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: Demand Growth, Entry and Collusion Sustainability Federico MUNARI and Raffaele ORIANI: Privatization and R&D Performance: An Empirical Analysis Based on Tobin's Q Federico MUNARI and Raffaele ORIANI: Privatization and R&D Investments and Patent Productivity Orley ASHENFELTER and Michael GREENSTONE: Using Mandated Speed Limits to Measure the Value of a Statistical Life
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV PRIV PRIV SUST ETA	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002 63.2002 64.2002 65.2002 66.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economics in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staving Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F. WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: Demand Growth, Entry and Collusion Sustainability Federico MUNARI and Raffaele ORIANI: Privatization and R&D Performance: An Empirical Analysis Based on Tobin's Q Federico MUNARI and Maurizio SOBRERO: The Effects of Privatization on R&D Investments and Patent Productivity Orley ASHENFELTER and Michael GREENSTONE: Using Mandated Speed Limits to Measure the Value of a Statistical Life Paolo SURICO: US Monetary Policy Rules: the Case for Asymmetric Preferences
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV PRIV PRIV SUST	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002 63.2002 64.2002 65.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (lvii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economics in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staving Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F.WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: Demand Growth, Entry and Collusion Sustainability Federico MUNARI and Raffaele ORIANI: Privatization and R&D Performance: An Empirical Analysis Based on Tobin's Q Federico MUNARI and Maurizio SOBRERO: The Effects of Privatization on R&D Investments and Patent Productivity Orley ASHENFELTER and Michael GREENSTONE: Using Mandated Speed Limits to Measure the Value of a Statistical Life Paolo SURICO: US Monetary Policy Rules: the Case for Asymmetric Preferences Rinaldo BRAU and Massimo FLORIO: Privatisations as Price Reforms: Evaluating Consumers' Welfare
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV PRIV PRIV SUST ETA PRIV	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002 63.2002 64.2002 65.2002 66.2002 67.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (1iii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (1iii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (1vii): <u>Reorganisation of Environmental Policy in Russia: The Decade of</u> Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (1vii): <u>Policy in Transition: New Framework for Russia's Climate Policy</u> Fanny MISSFELDT and Arturo VILLAVICENCO (1vii): <u>How Can Economies in Transition Pursue Emissions</u> Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: <u>Staving Together</u> or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F.WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: <u>Demand Growth, Entry and Collusion Sustainability</u> Federico MUNARI and Raffaele ORIANI: <u>Privatization and R&D Performance: An Empirical Analysis Based on Tobin's Q</u> Federico MUNARI and Maurizio SOBRERO: <u>The Effects of Privatization on R&D Investments and Patent</u> <u>Productivity</u> Orley ASHENFELTER and Michael GREENSTONE: <u>Using Mandated Speed Limits to Measure the Value of a</u> <u>Statistical Life</u> Paolo SURICO: <u>US Monetary Policy Rules: the Case for Asymmetric Preferences</u> <i>Rinaldo BRAU and Massimo FLORIO</i> : <u>Privatisations as Price Reforms: Evaluating Consumers' Welfare</u> Changes in the U.K.
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV PRIV PRIV SUST ETA PRIV CLIM	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002 63.2002 64.2002 65.2002 66.2002 67.2002 68.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (Iiii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (Iii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (Ivii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (Ivii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (Ivii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staving Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F. WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: Demand Growth, Entry and Collusion Sustainability Federico MUNARI and Raffaele ORIANI: Privatization and R&D Performance: An Empirical Analysis Based on Tobin's Q Federico MUNARI and Maurizio SOBRERO: The Effects of Privatization on R&D Investments and Patent Productivity Orley ASHENFELTER and Michael GREENSTONE: Using Mandated Speed Limits to Measure the Value of a Statistical Life Paolo SURICO: US Monetary Policy Rules; the Case for Asymmetric Preferences Rinaldo BrAU and Massimo FLORIO: Privatisations as Price Reforms: Evaluating Consumers' Welfare Changes in the ULK. Barbara K. BUCHNER and Roberto ROSON: Conflicting Perspectives in Trade and Environmental Negotiations
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV PRIV PRIV SUST ETA PRIV CLIM CLIM	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002 64.2002 65.2002 66.2002 67.2002 68.2002 69.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (liii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (liii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (lvii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (vii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (lvii): How Can Economics in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staying Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F. WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: Demand Growth, Entry and Collusion Sustainability Federico MUNARI and Raffaele ORIANI: Privatization and R&D Performance: An Empirical Analysis Based on Tobin's Q Federico MUNARI and Maurizio SOBRERO: The Effects of Privatization on R&D Investments and Patent Productivity Orley ASHENFELTER and Michael GREENSTONE: Using Mandated Speed Limits to Measure the Value of a Statistical Life Paolo SURICO: US Monetary Policy Rules: the Case for Asymmetric Preferences Rinaldo BRAU and Massimo FLORIO: Privatisations as Price Reforms: Evaluating Consumers' Welfare Changes in the U.K. Barbara K. BUCHNER and Roberto ROSON: Conflicting Perspectives in Trade and Environmental Negotiations Philippe QUIRION: Complying with the Kyoto Protocol under Uncertainty. Taxes or Tradable Permits?
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV PRIV PRIV SUST ETA PRIV CLIM	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002 63.2002 64.2002 65.2002 66.2002 67.2002 68.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (Iiii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (Iii): Towards a Better Climate Treaty Richard G. NEWELL and Robert N. STAVINS: Cost Heterogeneity and the Potential Savings from Market- Based Policies Paolo ROSATO and Edi DEFRANCESCO: Individual Travel Cost Method and Flow Fixed Costs Vladimir KOTOV and Elena NIKITINA (Ivii): Reorganisation of Environmental Policy in Russia: The Decade of Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (Ivii): Policy in Transition: New Framework for Russia's Climate Policy Fanny MISSFELDT and Arturo VILLAVICENCO (Ivii): How Can Economies in Transition Pursue Emissions Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: Staving Together or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary Union Robert N. STAVINS, Alexander F. WAGNER and Gernot WAGNER: Interpreting Sustainability in Economic Terms: Dynamic Efficiency Plus Intergenerational Equity Carlo CAPUANO: Demand Growth, Entry and Collusion Sustainability Federico MUNARI and Raffaele ORIANI: Privatization and R&D Performance: An Empirical Analysis Based on Tobin's Q Federico MUNARI and Maurizio SOBRERO: The Effects of Privatization on R&D Investments and Patent Productivity Orley ASHENFELTER and Michael GREENSTONE: Using Mandated Speed Limits to Measure the Value of a Statistical Life Paolo SURICO: US Monetary Policy Rules; the Case for Asymmetric Preferences Rinaldo BrAU and Massimo FLORIO: Privatisations as Price Reforms: Evaluating Consumers' Welfare Changes in the ULK. Barbara K. BUCHNER and Roberto ROSON: Conflicting Perspectives in Trade and Environmental Negotiations
ETA ETA CLIM ETA SUST SUST SUST VOL ETA PRIV PRIV PRIV SUST ETA PRIV CLIM CLIM	 53.2002 54.2002 55.2002 56.2002 57.2002 58.2002 59.2002 60.2002 61.2002 62.2002 64.2002 65.2002 66.2002 67.2002 68.2002 69.2002 	C.C. JAEGER, M. LEIMBACH, C. CARRARO, K. HASSELMANN, J.C. HOURCADE, A. KEELER and R. KLEIN (1iii): Integrated Assessment Modeling: Modules for Cooperation Scott BARRETT (1iii): <u>Towards a Better Climate Treaty</u> Richard G. NEWELL and Robert N. STAVINS: <u>Cost Heterogeneity and the Potential Savings from Market- Based Policies</u> Paolo ROSATO and Edi DEFRANCESCO: <u>Individual Travel Cost Method and Flow Fixed Costs</u> Vladimir KOTOV and Elena NIKITINA (Ivii): <u>Reorganisation of Environmental Policy in Russia: The Decade of</u> Success and Failures in Implementation of Perspective Quests Vladimir KOTOV (Ivii): <u>Policy in Transition: New Framework for Russia's Climate Policy</u> Famy MISSFELDT and Arturo VILLAVICENCO (Ivii): <u>How Can Economics in Transition Pursue Emissions</u> Trading or Joint Implementation? Giovanni DI BARTOLOMEO, Jacob ENGWERDA, Joseph PLASMANS and Bas VAN AARLE: <u>Staving Together</u> or Breaking Apart: Policy-Makers' Endogenous Coalitions Formation in the European Economic and Monetary <u>Union</u> <i>Robert N. STAVINS, Alexander F. WAGNER and Gernot WAGNER</i> : <u>Interpreting Sustainability in Economic</u> Terms: Dynamic Efficiency Plus Intergenerational Equity <i>Carlo CAPUANO</i> : <u>Demand Growth, Entry and Collusion Sustainability</u> <i>Federico MUNARI and Raffaele ORIANI</i> : <u>Privatization and R&D Performance</u> : An Empirical Analysis Based on Tobin's Q <i>Federico MUNARI and Maurizio SOBRERO</i> : <u>The Effects of Privatization on R&D Investments and Patent</u> <u>Productivity</u> <i>Orley ASHENFELTER and Michael GREENSTONE</i> : <u>Using Mandated Speed Limits to Measure the Value of a Statistical Life</u> <i>Paolo SURICO</i> : <u>US Monetary Policy Rules</u> : the Case for Asymmetric Preferences <i>Rinaldo BRAU and Massimo FLORIO</i> : <u>Privatisations as Price Reforms</u> : Evaluating Consumers' Welfare <u>Changes in the U.K.</u> Barbara K. BUCHNER and Roberto ROSON: <u>Conflicting Perspectives in Trade and Environmental Negotiations</u> <i>Philippe QURION</i> : <u>Complying with the Kyoto Protocol under Uncertainty</u> : Taxes or Tradable Permits? <i>Anna ALBERINI</i> , Patrizia RIGANTI and Alberto LONGO:

NRM	72.2002	Philippe BONTEMS and Pascal FAVARD: Input Use and Capacity Constraint under Uncertainty: The Case of
	72 2002	Irrigation
PRIV	73.2002	Mohammed OMRAN: The Performance of State-Owned Enterprises and Newly Privatized Firms: Empirical
PRIV	74.2002	Evidence from Egypt Mike BURKART, Fausto PANUNZI and Andrei SHLEIFER: <u>Family Firms</u>
PRIV	75.2002	<i>Emmanuelle AURIOL, Pierre M. PICARD:</i> Privatizations in Developing Countries and the Government Budget
I KI V	13.2002	Constraint
PRIV	76.2002	Nichole M. CASTATER: Privatization as a Means to Societal Transformation: An Empirical Study of
		Privatization in Central and Eastern Europe and the Former Soviet Union
PRIV	77.2002	Christoph LÜLSFESMANN: Benevolent Government, Managerial Incentives, and the Virtues of Privatization
PRIV	78.2002	Kate BISHOP, Igor FILATOTCHEV and Tomasz MICKIEWICZ: Endogenous Ownership Structure: Factors
		Affecting the Post-Privatisation Equity in Largest Hungarian Firms
PRIV	79.2002	Theodora WELCH and Rick MOLZ: How Does Trade Sale Privatization Work?
		Evidence from the Fixed-Line Telecommunications Sector in Developing Economies
PRIV	80.2002	Alberto R. PETRUCCI: Government Debt, Agent Heterogeneity and Wealth Displacement in a Small Open
CL D.(01 2002	Economy
CLIM	81.2002	Timothy SWANSON and Robin MASON (lvi): The Impact of International Environmental Agreements: The Case
PRIV	82.2002	of the Montreal Protocol George R.G. CLARKE and Lixin Colin XU: Privatization, Competition and Corruption: How Characteristics of
IKIV	82.2002	Bribe Takers and Payers Affect Bribe Payments to Utilities
PRIV	83.2002	Massimo FLORIO and Katiuscia MANZONI: The Abnormal Returns of UK Privatisations: From Underpricing
	00.2002	to Outperformance
NRM	84.2002	Nelson LOURENÇO, Carlos RUSSO MACHADO, Maria do ROSÁRIO JORGE and Luís RODRIGUES: An
		Integrated Approach to Understand Territory Dynamics. The Coastal Alentejo (Portugal)
CLIM	85.2002	Peter ZAPFEL and Matti VAINIO (lv): Pathways to European Greenhouse Gas Emissions Trading History and
		Misconceptions
CLIM	86.2002	Pierre COURTOIS: Influence Processes in Climate Change Negotiations: Modelling the Rounds
ETA	87.2002	Vito FRAGNELLI and Maria Erminia MARINA (Iviii): Environmental Pollution Risk and Insurance
ETA	88.2002	Laurent FRANCKX (lviii): Environmental Enforcement with Endogenous Ambient Monitoring
ETA	89.2002	<i>Timo GOESCHL and Timothy M. SWANSON</i> (lviii): Lost Horizons. The noncooperative management of an evolutionary biological system.
ETA	90.2002	Hans KEIDING (lviii): Environmental Effects of Consumption: An Approach Using DEA and Cost Sharing
ETA	91.2002	Wietze LISE (Iviii): <u>A Game Model of People's Participation in Forest Management in Northern India</u>
CLIM	92.2002	Jens HORBACH: Structural Change and Environmental Kuznets Curves
ETA	93.2002	Martin P. GROSSKOPF: Towards a More Appropriate Method for Determining the Optimal Scale of Production
		Units
VOL	94.2002	Scott BARRETT and Robert STAVINS: Increasing Participation and Compliance in International Climate Change
		Agreements
CLIM	95.2002	Banu BAYRAMOGLU LISE and Wietze LISE: Climate Change, Environmental NGOs and Public Awareness in
CL D (06 0000	the Netherlands: Perceptions and Reality
CLIM	96.2002	Matthieu GLACHANT: The Political Economy of Emission Tax Design in Environmental Policy
KNOW	97.2002	Kenn ARIGA and Giorgio BRUNELLO: Are the More Educated Receiving More Training? Evidence from
ETA	98.2002	<u>Thailand</u> Gianfranco FORTE and Matteo MANERA: Forecasting Volatility in European Stock Markets with Non-linear
	70.2002	GARCH Models
ETA	99.2002	Geoffrey HEAL: Bundling Biodiversity
ETA	100.2002	Geoffrey HEAL, Brian WALKER, Simon LEVIN, Kenneth ARROW, Partha DASGUPTA, Gretchen DAILY, Paul
		EHRLICH, Karl-Goran MALER, Nils KAUTSKY, Jane LUBCHENCO, Steve SCHNEIDER and David
		STARRETT: Genetic Diversity and Interdependent Crop Choices in Agriculture
ETA	101.2002	Geoffrey HEAL: Biodiversity and Globalization
VOL	102.2002	Andreas LANGE: Heterogeneous International Agreements – If per capita emission levels matter
ETA	103.2002	Pierre-André JOUVET and Walid OUESLATI: Tax Reform and Public Spending Trade-offs in an Endogenous
ET A	104 2002	Growth Model with Environmental Externality
ETA	104.2002	Anna BOTTASSO and Alessandro SEMBENELLI: Does Ownership Affect Firms' Efficiency? Panel Data Evidence on Italy
PRIV	105.2002	Bernardo BORTOLOTTI, Frank DE JONG, Giovanna NICODANO and Ibolya SCHINDELE: Privatization and
I KI V	105.2002	Stock Market Liquidity
ETA	106.2002	Haruo IMAI and Mayumi HORIE (lviii): Pre-Negotiation for an International Emission Reduction Game
PRIV	107.2002	Sudeshna GHOSH BANERJEE and Michael C. MUNGER: Move to Markets? An Empirical Analysis of
		Privatisation in Developing Countries
PRIV	108.2002	Guillaume GIRMENS and Michel GUILLARD: Privatization and Investment: Crowding-Out Effect vs Financial
		Diversification
PRIV	109.2002	Alberto CHONG and Florencio LÓPEZ-DE-SILANES: Privatization and Labor Force Restructuring Around the
	110 2002	World
PRIV	110.2002	Nandini GUPTA: <u>Partial Privatization and Firm Performance</u> François DEGEORGE, Dirk JENTER, Alberto MOEL and Peter TUFANO: <u>Selling Company Shares to</u>
PRIV	111.2002	Reluctant Employees: France Telecom's Experience
		Nordount Employees, France Ferebolin 5 Experience

PRIV	112.2002	Isaac OTCHERE: Intra-Industry Effects of Privatization Announcements: Evidence from Developed and
		Developing Countries
PRIV	113.2002	Yannis KATSOULAKOS and Elissavet LIKOYANNI: Fiscal and Other Macroeconomic Effects of Privatization
PRIV	114.2002	Guillaume GIRMENS: Privatization, International Asset Trade and Financial Markets
PRIV	115.2002	D. Teja FLOTHO: A Note on Consumption Correlations and European Financial Integration
PRIV	116.2002	Ibolya SCHINDELE and Enrico C. PEROTTI: Pricing Initial Public Offerings in Premature Capital Markets: The Case of Hungary
PRIV	1.2003	Gabriella CHIESA and Giovanna NICODANO: Privatization and Financial Market Development: Theoretical Issues
PRIV	2.2003	<i>Ibolya SCHINDELE</i> : Theory of Privatization in Eastern Europe: Literature Review
PRIV	3.2003	Wietze LISE, Claudia KEMFERT and Richard S.J. TOL: Strategic Action in the Liberalised German Electricity
110,	0.2000	Market
CLIM	4.2003	Laura MARSILIANI and Thomas I. RENSTRÖM: Environmental Policy and Capital Movements: The Role of Government Commitment
KNOW	5.2003	Rever GERLAGH: Induced Technological Change under Technological Competition
ETA	6.2003	<i>Efrem CASTELNUOVO</i> : Squeezing the Interest Rate Smoothing Weight with a Hybrid Expectations Model
SIEV	7.2003	Anna ALBERINI, Alberto LONGO, Stefania TONIN, Francesco TROMBETTA and Margherita TURVANI: The
SIL V	1.2005	Role of Liability, Regulation and Economic Incentives in Brownfield Remediation and Redevelopment:
NDM	0 2002	Evidence from Surveys of Developers
NRM	8.2003	Elissaios PAPYRAKIS and Reyer GERLAGH: <u>Natural Resources: A Blessing or a Curse?</u>
CLIM	9.2003	A. CAPARRÓS, JC. PEREAU and T. TAZDAÏT: North-South Climate Change Negotiations: a Sequential Game
WARDER	10 2002	with Asymmetric Information
KNOW	10.2003	Giorgio BRUNELLO and Daniele CHECCHI: School Quality and Family Background in Italy
CLIM	11.2003	Efrem CASTELNUOVO and Marzio GALEOTTI: Learning By Doing vs Learning By Researching in a Model of
WNOW	10 0000	Climate Change Policy Analysis
KNOW	12.2003	Carole MAIGNAN, Gianmarco OTTAVIANO and Dino PINELLI (eds.): Economic Growth, Innovation, Cultural
KNOW	13.2003	Diversity: What are we all talking about? A critical survey of the state-of-the-art Carole MAIGNAN, Gianmarco OTTAVIANO, Dino PINELLI and Francesco RULLANI (lix): Bio-Ecological
		Diversity vs. Socio-Economic Diversity. A Comparison of Existing Measures
KNOW	14.2003	Maddy JANSSENS and Chris STEYAERT (lix): Theories of Diversity within Organisation Studies: Debates and Future Trajectories
KNOW	15.2003	<i>Tuzin BAYCAN LEVENT, Enno MASUREL and Peter NIJKAMP</i> (lix): <u>Diversity in Entrepreneurship: Ethnic and</u> Female Roles in Urban Economic Life
KNOW	16.2003	Alexandra BITUSIKOVA (lix): Post-Communist City on its Way from Grey to Colourful: The Case Study from Slovakia
KNOW	17.2003	Billy E. VAUGHN and Katarina MLEKOV (lix): A Stage Model of Developing an Inclusive Community
KNOW	18.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World
Coalition	19.2003	Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities
Theory	17.2005	Seglo Contentanti, on the stability of merateliles in Games with Externations
Network		
PRIV	20.2003	Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale
PRIV	21.2003	Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation
1 Ki v	21.2005	Principle, Efficiency, Full Surplus Extraction and Information Acquisition
PRIV	22.2003	Marco LiCalzi and Alessandro PAVAN (lx): <u>Tilting the Supply Schedule to Enhance Competition in Uniform</u> - Price Auctions
PRIV	23.2003	David ETTINGER (lx): Bidding among Friends and Enemies
PRIV	24.2003	Hannu VARTIAINEN (Ix): Auction Design without Commitment
PRIV	25.2003	Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in
I KI V	25.2005	Uniform Price Auctions: Evidence from Finnish Treasury Auctions
PRIV	26.2003	Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs
PRIV	27.2003	<i>Kjell G. NYBORG and Ilya A. STREBULAEV</i> (lx): <u>Multiple Unit Auctions and Short Squeezes</u>
PRIV	28.2003	Anders LUNANDER and Jan-Eric NILSSON (Ix): Taking the Lab to the Field: Experimental Tests of Alternative
		Mechanisms to Procure Multiple Contracts
PRIV	29.2003	TangaMcDANIEL and Karsten NEUHOFF (lx): Use of Long-term Auctions for Network Investment
PRIV	30.2003	Emiel MAASLAND and Sander ONDERSTAL (lx): Auctions with Financial Externalities
ETA	31.2003	Michael FINUS and Bianca RUNDSHAGEN: A Non-cooperative Foundation of Core-Stability in Positive
		Externality NTU-Coalition Games
KNOW	32.2003	Michele MORETTO: Competition and Irreversible Investments under Uncertainty
PRIV	33.2003	Philippe QUIRION: Relative Quotas: Correct Answer to Uncertainty or Case of Regulatory Capture?
KNOW	34.2003	Giuseppe MEDA, Claudio PIGA and Donald SIEGEL: On the Relationship between R&D and Productivity: A
ET A	25 2002	Treatment Effect Analysis
ETA	35.2003	Alessandra DEL BOCA, Marzio GALEOTTI and Paola ROTA: <u>Non-convexities in the Adjustment of Different</u>
		Capital Inputs: A Firm-level Investigation

GG PRIV	36.2003 37.2003	Matthieu GLACHANT: Voluntary Agreements under Endogenous Legislative Threats Narjess BOUBAKRI, Jean-Claude COSSET and Omrane GUEDHAMI: Postprivatization Corporate
		Governance: the Role of Ownership Structure and Investor Protection
CLIM	38.2003	Rolf GOLOMBEK and Michael HOEL: Climate Policy under Technology Spillovers
KNOW	39.2003	Slim BEN YOUSSEF: Transboundary Pollution, R&D Spillovers and International Trade
CTN	40.2003	Carlo CARRARO and Carmen MARCHIORI: Endogenous Strategic Issue Linkage in International Negotiations
KNOW	41.2003	Sonia OREFFICE: Abortion and Female Power in the Household: Evidence from Labor Supply
KNOW	42.2003	Timo GOESCHL and Timothy SWANSON: On Biology and Technology: The Economics of Managing
		Biotechnologies
ETA	43.2003	Giorgio BUSETTI and Matteo MANERA: STAR-GARCH Models for Stock Market Interactions in the Pacific
CLIM	44 2002	Basin Region, Japan and US Katrin MILLOCK and Céline NAUGES: The French Tax on Air Pollution: Some Preliminary Results on its
CLIM	44.2003	Effectiveness
PRIV	45.2003	Binectiveness Bernardo BORTOLOTTI and Paolo PINOTTI: The Political Economy of Privatization
SIEV	45.2003	Elbert DIJKGRAAF and Herman R.J. VOLLEBERGH: Burn or Bury? A Social Cost Comparison of Final Waste
SILV	40.2005	Disposal Methods
ETA	47.2003	Jens HORBACH: Employment and Innovations in the Environmental Sector: Determinants and Econometrical
		Results for Germany
CLIM	48.2003	Lori SNYDER, Nolan MILLER and Robert STAVINS: The Effects of Environmental Regulation on Technology
		Diffusion: The Case of Chlorine Manufacturing
CLIM	49.2003	Lori SNYDER, Robert STAVINS and Alexander F. WAGNER: Private Options to Use Public Goods. Exploiting
		Revealed Preferences to Estimate Environmental Benefits
CTN	50.2003	László Á. KÓCZY and Luc LAUWERS (lxi): The Minimal Dominant Set is a Non-Empty Core-Extension
CTN	51.2003	Matthew O. JACKSON (lxi): <u>Allocation Rules for Network Games</u>
CTN	52.2003	Ana MAULEON and Vincent VANNETELBOSCH (lxi): <u>Farsightedness and Cautiousness in Coalition Formation</u>
CTN CTN	53.2003 54.2003	Fernando VEGA-REDONDO (lxi): Building Up Social Capital in a Changing World: a network approach
CTN	55.2003	Matthew HAAG and Roger LAGUNOFF (lxi): On the Size and Structure of Group Cooperation Taiji FURUSAWA and Hideo KONISHI (lxi): Free Trade Networks
CTN	56.2003	Halis Murat YILDIZ (lxi): National Versus International Mergers and Trade Liberalization
CTN	57.2003	Santiago RUBIO and Alistair ULPH (lxi): <u>An Infinite-Horizon Model of Dynamic Membership of International</u>
CIIV	57.2005	Environmental Agreements
KNOW	58.2003	Carole MAIGNAN, Dino PINELLI and Gianmarco I.P. OTTAVIANO: <u>ICT, Clusters and Regional Cohesion: A</u>
1111011	00.2000	Summary of Theoretical and Empirical Research
KNOW	59.2003	Giorgio BELLETTINI and Gianmarco I.P. OTTAVIANO: Special Interests and Technological Change
ETA	60.2003	Ronnie SCHÖB: The Double Dividend Hypothesis of Environmental Taxes: A Survey
CLIM	61.2003	Michael FINUS, Ekko van IERLAND and Robert DELLINK: Stability of Climate Coalitions in a Cartel
		Formation Game
GG	62.2003	Michael FINUS and Bianca RUNDSHAGEN: How the Rules of Coalition Formation Affect Stability of
		International Environmental Agreements
SIEV	63.2003	Alberto PETRUCCI: Taxing Land Rent in an Open Economy
CLIM	64.2003	Joseph E. ALDY, Scott BARRETT and Robert N. STAVINS: Thirteen Plus One: A Comparison of
		Global Climate Policy Architectures
SIEV	65.2003	Edi DEFRANCESCO: The Beginning of Organic Fish Farming in Italy
SIEV	66.2003	Klaus CONRAD: Price Competition and Product Differentiation when Consumers Care for the
		Environment
SIEV	67.2003	Paulo A.L.D. NUNES, Luca ROSSETTO, Arianne DE BLAEIJ: Monetary Value Assessment of Clam
		Fishing Management Practices in the Venice Lagoon: Results from a Stated Choice Exercise
		-

(1) This paper was presented at the Workshop "Growth, Environmental Policies and Sustainability" organised by the Fondazione Eni Enrico Mattei, Venice, June 1, 2001

(li) This paper was presented at the Fourth Toulouse Conference on Environment and Resource Economics on "Property Rights, Institutions and Management of Environmental and Natural Resources", organised by Fondazione Eni Enrico Mattei, IDEI and INRA and sponsored by MATE, Toulouse, May 3-4, 2001

(lii) This paper was presented at the International Conference on "Economic Valuation of Environmental Goods", organised by Fondazione Eni Enrico Mattei in cooperation with CORILA, Venice, May 11, 2001

(liii) This paper was circulated at the International Conference on "Climate Policy – Do We Need a New Approach?", jointly organised by Fondazione Eni Enrico Mattei, Stanford University and Venice International University, Isola di San Servolo, Venice, September 6-8, 2001

(liv) This paper was presented at the Seventh Meeting of the Coalition Theory Network organised by the Fondazione Eni Enrico Mattei and the CORE, Université Catholique de Louvain, Venice, Italy, January 11-12, 2002

(lv) This paper was presented at the First Workshop of the Concerted Action on Tradable Emission Permits (CATEP) organised by the Fondazione Eni Enrico Mattei, Venice, Italy, December 3-4, 2001 (lvi) This paper was presented at the ESF EURESCO Conference on Environmental Policy in a Global Economy "The International Dimension of Environmental Policy", organised with the collaboration of the Fondazione Eni Enrico Mattei , Acquafredda di Maratea, October 6-11, 2001

(lvii) This paper was presented at the First Workshop of "CFEWE – Carbon Flows between Eastern and Western Europe", organised by the Fondazione Eni Enrico Mattei and Zentrum fur Europaische Integrationsforschung (ZEI), Milan, July 5-6, 2001

(lviii) This paper was presented at the Workshop on "Game Practice and the Environment", jointly organised by Università del Piemonte Orientale and Fondazione Eni Enrico Mattei, Alessandria, April 12-13, 2002

(lix) This paper was presented at the ENGIME Workshop on "Mapping Diversity", Leuven, May 16-17, 2002

(lx) This paper was presented at the EuroConference on "Auctions and Market Design: Theory, Evidence and Applications", organised by the Fondazione Eni Enrico Mattei, Milan, September 26-28, 2002

(lxi) This paper was presented at the Eighth Meeting of the Coalition Theory Network organised by the GREQAM, Aix-en-Provence, France, January 24-25, 2003

2002 SERIES

CLIM	Climate Change Modelling and Policy (Editor: Marzio Galeotti)
VOL	Voluntary and International Agreements (Editor: Carlo Carraro)
SUST	Sustainability Indicators and Environmental Valuation (Editor: Carlo Carraro)
NRM	Natural Resources Management (Editor: Carlo Giupponi)
KNOW	Knowledge, Technology, Human Capital (Editor: Dino Pinelli)
MGMT	Corporate Sustainable Management (Editor: Andrea Marsanich)
PRIV	Privatisation, Regulation, Antitrust (Editor: Bernardo Bortolotti)
ETA	Economic Theory and Applications (Editor: Carlo Carraro)

2003 SERIES

CLIM	Climate Change Modelling and Policy (Editor: Marzio Galeotti)
GG	Global Governance (Editor: Carlo Carraro)
SIEV	Sustainability Indicators and Environmental Valuation (Editor: Anna Alberini)
NRM	Natural Resources Management (Editor: Carlo Giupponi)
KNOW	Knowledge, Technology, Human Capital (Editor: Gianmarco Ottaviano)
IEM	International Energy Markets (Editor: Anil Markandya)
CSRM	Corporate Social Responsibility and Management (Editor: Sabina Ratti)
PRIV	Privatisation, Regulation, Antitrust (Editor: Bernardo Bortolotti)
ETA	Economic Theory and Applications (Editor: Carlo Carraro)
CTN	Coalition Theory Network