

A Service of



Leibniz-Informationszentrum Wirtschaft Leibniz Information Centre

Zhang, ZhongXiang

Working Paper

The World Bank's Prototype Carbon Fund and China

Nota di Lavoro, No. 138.2004

Provided in Cooperation with:

Fondazione Eni Enrico Mattei (FEEM)

Suggested Citation: Zhang, ZhongXiang (2004): The World Bank's Prototype Carbon Fund and China, Nota di Lavoro, No. 138.2004, Fondazione Eni Enrico Mattei (FEEM), Milano

This Version is available at: https://hdl.handle.net/10419/118015

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.





The World Bank's Prototype Carbon Fund and China

ZhongXiang Zhang

NOTA DI LAVORO 138.2004

NOVEMBER 2004

CCMP- Climate Change Modelling and Policy

ZhongXiang Zhang, Research Program, East-West Center

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.htm

Social Science Research Network Electronic Paper Collection: http://ssrn.com/abstract=615668

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

Corso Magenta, 63, 20123 Milano (I), web site: www.feem.it, e-mail: working.papers@feem.it

The World Bank's Prototype Carbon Fund and China

Summary

As the first global carbon fund, the World Bank's Prototype Carbon Fund (PCF) aims to catalyze the market for project-based greenhouse gas emission reductions while promoting sustainable development and offering a learning-by-doing opportunity to its stakeholders. Since the inception in 2000, the PCF has engaged in a dialogue with China to get it to sign up as a host country, because the World Bank and other international and bilateral donors expect great potential of the clean development mechanism (CDM) in China and feel the significant need for building CDM capacity in China to enable it to gain more insight into the CDM and increase its capacity to initiate and undertake CDM projects. This paper first discusses why China had hesitated to sign up as a host country of PCF projects until September 2003. Then the paper explains what has led China to endorse the PCF projects. The paper ends with discussions on the implications of the PCF's offering prices for the emerging global carbon market.

Keywords: Carbon prices, Carbon market, China, Prototype Carbon Fund, The World Bank

JEL Classification: Q54, Q58, Q52, Q48

This paper has benefited from useful discussions with the colleagues at the National Development and Reform Commission, Beijing, China and the Ministry of Science and Technology, Beijing, China. That said, the views expressed here are those of the author. The author bears sole responsibility for any errors and omissions that may remain.

Address for correspondence:

ZhongXiang Zhang Research Program East-West Center 1601 East-West Road Honolulu, HI 96848-1601 USA

Phone: +1 808 9447265 Fax: +1 808 9447298

E-mail: ZhangZ@EastWestCenter.org

1. Introduction

Recognizing that climate change will have the potential impact on its borrowing client countries, the World Bank has been participating in the climate change process since its beginning. The Prototype Carbon Fund, whose establishment was approved on 20 July 1999 by the Executive Directors, establishes the Bank as one of the pioneers in promoting the flexible mechanisms. The PCF aimed to:

- demonstrate how project-based transactions in greenhouse gas emission
 reductions can contribute to the sustainable development of developing countries
 and countries with economies in transition:
- share the knowledge gained in the course of the PCF's operations with all interested parties; and
- demonstrate how the World Bank can work in partnership with the public and private sectors to mobilize new resources for its borrowing member countries while addressing global environmental concerns.²

The PCF operates like a mutual fund, pooling the collective resources from 23 investors (6 governments and 17 companies) and investing these funds in projects that reduce greenhouse gas emissions or remove these emissions from the atmosphere. The PCF is not legally able to own these carbon credits generated from the PCF projects. These credits have to go back to those investors pro rata according to their level of investment in the Fund. Participants in the Fund agreed on a set of project selection and portfolio development criteria designed to serve the "learning-by-doing" objective of the PCF

3

-

² See the PCF web site at: http://carbonfinance.org.

while reducing project risk through portfolio diversity. In practice, these objectives are achieved by balancing the Fund's portfolio between: CDM and JI (joint implementation); geographic regions; and eligible sectors and technologies and/or fuel switching in projects that create emissions reductions additional to a credible baseline of what would have happened without the CDM/JI project.

The World Bank and other international and bilateral donors are keen to support CDM capacity building in China because they expect great potential of the CDM in China and feel the significant need for China to gain more insight into the CDM and to increase its capacity to initiate and undertake CDM projects. Thus, since the inception, the PCF has engaged in a dialogue with China to get the country to sign up as a host country. This paper first discusses why China had hesitated to sign up as a host country of PCF projects until late 2003. Then the paper explains what has led China to endorse the PCF projects in the end. The paper ends with discussions on implications of the PCF's offering prices.

2. Why had China hesitated to sign up as a host country?

With the already huge and growing amount of greenhouse gas emissions and a great deal of low-cost abatement options available, China is widely regarded as the world's number one host country of CDM projects (Zhang, 1999, 2000, 2001). But, making this potential a reality represents a significant challenge for China, because there has been a general lack of awareness by both the Chinese government and business community, institutional structure, and implementation strategy. This has raised great concern about China's

ability to compete for CDM projects and fully exploit the potential. The World Bank and other international and bilateral donors feel the significant need for CDM capacity building in China to enable the country to gain more insight into the CDM and to increase its capacity to initiate and undertake CDM projects. For this, since the inception, the PCF has engaged in a dialogue with China to get it to sign up as a host country. The PCF experience suggests that completing the first carbon deal in a host country is a powerful capacity building tool, with tremendous impact on supply on its own (Lecocq, 2003). But China has hesitated to sign up the PCF until late 2003. There are several reasons. First, rules governing the CDM is not agreed on among parties to the Kyoto Protocol until the seventh Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC), and as a very important player, China does not want to see that its involvement in the PCF leads the rules operating the PCF to have any impacts on overall rule-setting for the Kyoto mechanisms. Second, China finds the PCF's targeted price levels of about US\$ 3.3 per ton of CO₂-equivalent too low,³ relative to its expectation of US\$ 10 per ton of CO₂-equivalent. Understandably, the investors in the PCF demand a low price. The current host countries of the PCF projects have no serious demand to increase the PCF's price levels. China is the only country that seriously regards the PCF's price levels as too low, and views that the low price levels will affect the sustainability and expansion of the PCF over the long run.⁵ Third, the PCF establishes a practice where the host country takes the risk in case a project does not

_

³ Minimum requirements for PCF projects specify that estimated cost of emission reductions should preferably be less than US\$ 10 per ton of carbon, which is equivalent to about US\$ 3 per ton of CO₂-equivalent (see the PCF web site at http://carbonfinance.org).

⁴ Author' interviews in Beijing, January 2004.

⁵ Author' interviews in Beijing, January 2004.

perform as planned, and China does not accept that the PCF projects do not bear some risks in implementation and crediting, although the PCF guarantees payment on delivery of the certified emissions reductions (CERs).⁶ Fourth, there are some concerns about the formal status of PCF projects regarding whether they can be recognized as CDM projects.

3. What led China to endorse the PCF projects?

Despite the difference in opinion, negotiations between the PCF and China have never stopped. Two sides have made important progress in negotiations recently, and China has determined to be a host country of the PCF. At the moment, two PCF projects are in the final stages of discussion between China and the PCF: one on run-of-river hydropower in Gansu Province, and another on coal bed methane capture and power generation in Shanxi Province. The PCF will invest US\$ 8.5 million in the hydropower project that will lead to the emissions reduction of 2 million tons of CO₂-equivalent. Although the PCF has informally promised to offer the most favourable price, no agreement has been made on the purchasing prices of emissions reductions for the PCF project. For the coal bed methane project, the PCF as one of the investors will contribute US\$ 12.75 million in return of 3 million tons of CO₂-equivalent of the total project's emissions reduction of 29 million tons of CO₂-equivalent.

⁶ The risk of non-delivery for a carbon buyer can be mitigated by purchasing CERs on delivery rather than upfront. Although a project developer is able to use this carbon purchase agreement as a collateral to leverage financing that would otherwise not have been available, the host country and business's risks associated with the underlying project remain, unless the carbon buyer is able to share these risks with the project developer (Lecocq, 2003).

⁷ The data for the two PCF projects in China are taken from the following news: PCF Announces New Projects, *Joint Implementation Quarterly*, Vol. 9, No. 4, December 2003, p. 13.

What led China to endorse the PCF projects? First, it is related to the time table set for the funds reserved for projects in China. At the creation of the PCF, its Participants

Committee has decided to reserve some funds for potential projects in China. But these funds are only able to be reserved by the end of 2003. While China still views that the PCF projects do bear some risks in implementation and crediting, such perceived risks are at reasonable levels because the PCF guarantees payment on delivery of the CERs.

Another reason is related to weak demand for CERs, which makes it much hard for China to negotiate with the PCF on the price. It is conceivable that China's side is keen to ensure that the carbon credits from China have a high value. However, as shown in Table 1 indicating the current price levels for CDM projects at less than US\$ 6 per ton of CO₂-equivalent, the current development of the carbon market just turns the price of carbon credits the other way around, and leaves China a very little space to influence the market.⁸

Table 1 Prices of carbon credits under the selected programs

Programs	Price of carbon credits (US\$ per ton of CO ₂ -equivalent)
World Bank's Prototype Carbon Fund	3 - 4
Dutch CERUPT program	4.4 - 5.5*
Dutch-IFC CDM Facility	~ 4
Dutch-IBRD CDM Facility	~ 4

^{* €4-5} per ton of CO₂-equivalent.

Source: Zhang (2004).

⁸ On the other hand, China is fully aware of its role as a dominated suppler of CERs. Whatever prices are set for China projects will have impacts on the world prices. Thus, China is not to give up the price issue so easily.

Third, China hopes to use those projects on the margin to gain much-needed, real learning. Recongnising that it is hard to change the situation in weak demand in the short run, China thought that it is whorthwhile undertaking some PCF projects, in particular those PCF projects that fall into the priority area under the CDM in China and whose local project developers are determined to undertake these projects and need the funding on the margin. In this case, the funding from the PCF is considered additional.

Undertaking these projects will provide much-needed, real learning about baseline setting, project boundaries, monitoring and verification at project levels, these aspects that are most relevant to all prospective projects under the CDM but in which China has gained little experience in the AIJ (Activities Implemented Jointly) pilot phase.

-

⁹ The different attitudes towards the AIJ pilot phase among the Chinese ministries concerned at the beginning put China at the slow starter of AIJ projects. As a result, China has only hosted 5 AIJ projects, with 4 projects registered with the UNFCCC Secretariat (see Table 2). For all these projects, there have been quite tough bilateral negotiations between China and the investor countries. The unit costs of abatement for these registered projects are very high.

Table 2 The registered AIJ projects in China

Project	Type ^a	Parties involved (host/investor)	Lifetime (years)	Emissions reductions per year (tons of CO ₂ -equivalent)	Unit abatement cost (US\$ per avoided ton of CO ₂ -equivalent)
A. Installation of a coke dry-quenching facility	Energy efficiency	China/Japan	20	68265	19.6
B. Model project for energy conservation in electric furnace used for ferro-alloy refining	Energy efficiency	China/Japan	20	29050	22.6
C. CFBC & CHP project in Shangqiu thermal power plant in Henan Province of China	Energy efficiency	China/Norway	20	87480	15.0
D. Model project for utilization of waste heat from incineration of refuse in Harbin of China	Fugitive gas capture	China/Japan	20	62896	31.1

^a The Intergovernmental Panel on Climate Change has classified type of AIJ project as energy efficiency; renewable energy; fuel switching; forest preservation, restoration or reforestation; afforestation; fugitive gas capture; industrial process; solvents; agriculture; waste disposal; or bunker fuels.

Source: Zhang (2004).

4. Implications of the PCF's offering prices

When applauding this positive development in the PCF, we have to realize that host countries are very concerned about the price issue. The World Bank and the Dutch government are the two most active players on the buyer side in project-based transactions. In volume terms, they represent 30% and 26% of the carbon market in 2002-

2003, respectively, as shown in Figure 1.10 Currently, the PCF pays between US\$ 3.5 and US\$ 4.0 per ton of CO₂-equivalent, and this price range was set in 1999 at the creation of the PCF. 11 The Dutch CERUPT (Certified Emission Reduction Unit Procurement Tender) program is aiming at price levels of about US\$ 5 per ton of CO₂-equivalent. The offering price of the PCF is not intended to serve as the market price. Given its dominated role on the buyer side, however, it will largely in practice set the standard for the carbon market. Private investors are unlikely to accept projects with a higher cost. ¹² This raises a very important question of striking the balance between encouraging investors to engage CDM projects (thus increasing the volume of CERs of CDM projects) and ensuring the quality of CERs. If the unit cost of abatement is so high, potential investors are scared away. Without CDM investment, there is no delivery of CERs. On the other hand, government and multinational actors have so far totally dominated on the demand side for CDM projects. If they are just interested in getting cheap CERs, there will be no strong incentives to encourage potential investors to develop CDM projects, in particular those sustainable projects like renewable energy projects. After all, the PCF experience shows that, at the carbon price of US\$ 3 per ton of CO₂-equivalent, carbon finance can hardly

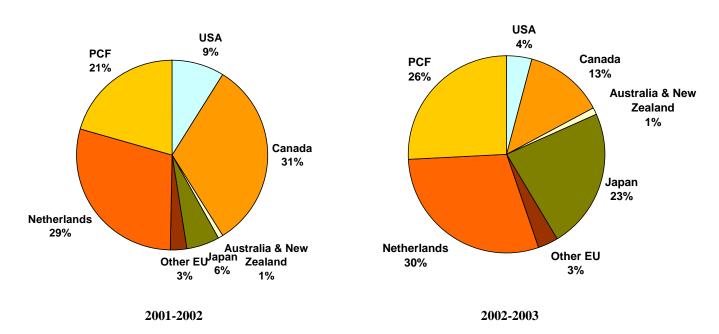
¹⁰ As shown in Figure 1, the share of Japan in the carbon market increased from 6% in 2001-2002 to 23% in 2002-2003. Unlike the Netherlands, the Japan's purchases are mainly from private entities.

¹¹ Cited in the Report of the Asia Meeting on Efficient Clean Development Mechanism Operations, organised by the UNDP and the World Bank, 1-3 April 2003, Kuala Lumpur, Malaysia.

¹² To avoid harming their negotiation positions either in subsequent deals or in negotiating with the government on the emissions target and policy, private players often keep key elements of their deals such as prices or contract features confidential. However, given the fact that the publicly disclosed offering prices of PCF projects provide information on abatement costs in both economies in transition and in developing countries, it is conceivable that private players are unwilling to go beyond this price bound.

increase the internal rate of return of many project types by more than 5%, except for landfill gas (LFG) capture project¹³ (See Table 3). Thus, the corresponding CERs stream is rarely the decisive factor that makes the most significant difference and renders these projects viable.

Figure 1 Market buyers (share of volume of emissions reductions purchased) *Source:* PCF (2003).



¹³ The 100-year global warming potential of methane is 23 times that of CO₂, implying that abating one ton of methane emissions is equivalent to 23 tons of CO₂ emissions abated. Thus, projects involving a reduction in methane emissions are much more cost-effective than projects aimed at reducing CO₂ emissions. For LFG to power generation projects, carbon finance can contribute up to 1.5 cents per kWh to the project and can boost the project internal rate of return by 5% or more. But at the carbon price of US\$ 3 per ton of CO₂-equivalent, carbon finance can only contribute to 0.15-0.50 cents per kWh for conventional renewable energy projects (PCF, 2002). This explains why LFG capture project takes the lead among all project types. As shown in Figure 2, this type of project accounts for 30% of the total volume of project-based emission reductions transacted in 2002-2003.

Table 3 Impact of carbon finance on project financing

Technology	Increases in project internal rate of return
	with carbon credits priced at US\$ 3 per ton
	of CO ₂ -equivalent (%)
Hydro	0.8-2.6
Wind	1.0-1.3
Bagasse	0.4-3.6
Energy efficiency/district heating	~ 2.0
Gas flare reduction	2.0-4.0
Biomass	2.0-7.0
Municipal solid waste	> 5

Source: PCF (2002).

Figure 2 Technology share of emission reduction projects 2002-2003 (in percentage of total volume contracted)

Source: PCF (2003).

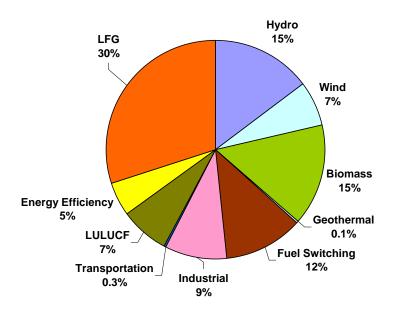


Table 4 The maximum offering prices of CERs under the Dutch CERUPT program

CDM project type	Maximum offering prices of CERs under the Dutch CERUPT program (€per ton of
	CO ₂ -equivalent)
Renewable energy (excluding biomass)	5.5
Biomass energy (excluding waste)	4.4
Energy efficiency improvement	4.4
Fossil fuel switch and methane recovery	3.3

Source: Senter Internationaal (2001).

From the preceding discussion, it thus follows that, to promote the sustainability and expansion of the PCF over the long run, China and the World Bank should work together on the price issue. The World Bank is there to promote and demonstrate how the market can work and to help catalyze the carbon market. The Bank has an obligation to react to the concerns of its borrowing clients as well as its lending clients. In the meantime, joining the Host Country Committee of the PCF, ¹⁴ China is now able to play a more proactive role in either pushing for PCF projects at a more favourable price or demanding that the offering prices are differentiated according to technology types. ¹⁵ This will broaden project types that carbon finance renders viable. After all, the PCF transactions, although they are significant in comparison with the current carbon market, account for only few percentages of the total projected emissions reductions required of Annex I countries. Much work remains ahead to stimulate both demand and supply so as to

¹⁴ A host country of the PCF projects is entitled to be a member of the Host Country Committee if it has signed a memorandum of understanding or a letter of endorsement with the PCF.

¹⁵ As shown in Table 4, the offering prices of CERs under the Dutch CERUPT program are differentiated according to technology types. Renewable energy projects in general have been assigned with a premium price.

progressively scale up project-based carbon transactions and create liquidity in the carbon market.

Acknowledgments

This paper has benefited from useful discussions with the colleagues at the National Development and Reform Commission and the Ministry of Science and Technology, Beijing, China. That said, the views expressed here are those of the author. The author bears sole responsibility for any errors and omissions that may remain.

References

- Lecocq, F. (2003), Pioneering Transactions, Catalyzing Markets, and Building Capacity:

 The Prototype Carbon Fund Contributions to Climate Policies, *American Journal of Agricultural Economics*, Vol. 85, No. 3, pp. 703-707.
- Prototype Carbon Fund (PCF, 2002), Impact of Carbon Finance on Project Financing, April 17, The World Bank, Washington, DC.
- Prototype Carbon Fund (PCF, 2003), State and Trends of the Carbon Market 2003, December 1, The World Bank, Washington, DC.
- Senter Internationaal (2001), Terms of Reference: CERUPT 2001, November 1, The Hague, Available at:

 http://www.senter.nl/sites/erupt/contents/i000008/tor_cerupt2001.doc.
- Zhang, Z.X. (1999), Estimating the Size of the Potential Market for All Three Flexibility

 Mechanisms under the Kyoto Protocol, Prepared for the Asian Development Bank

- under Contract TA-5592-REG, Faculty of Law and Faculty of Economics, University of Groningen, The Netherlands.
- Zhang, Z.X. (2000), Estimating the Size of the Potential Market for the Kyoto Flexibility

 Mechanisms, *Weltwirtschaftliches Archiv Review of World Economics*, Vol. 136,

 No. 3, pp. 491-521.
- Zhang, Z.X. (2001), An Assessment of the EU Proposal for Ceilings on the Use of Kyoto Flexibility Mechanisms, *Ecological Economics*, Vol. 37, No. 1, pp. 53-69.
- Zhang, Z.X. (2004), Meeting the Kyoto Targets: The Importance of Developing Country Participation, *Journal of Policy Modeling*, Vol. 26, No. 1, pp. 3-19.

NOTE DI LAVORO DELLA FONDAZIONE ENI ENRICO MATTEI

Fondazione Eni Enrico Mattei Working Paper Series

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

http://www.ssrn.com/link/feem.html

NOTE DI LAVORO PUBLISHED IN 2003

PRIV	1.2003	Gabriella CHIESA and Giovanna NICODANO: Privatization and Financial Market Development: Theoretical
DDIX	2 2002	Issues Compared to the control of
PRIV	2.2003	Ibolya SCHINDELE: 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
CLIM	4 2002	Market A DENISTRÂN E E EN CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DEL CONTRA DEL CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DE LA CONTRA DEL CONTRA DE LA CONTRA DE LA CONTRA DEL CONT
CLIM	4.2003	Laura MARSILIANI and Thomas I. RENSTRÖM: Environmental Policy and Capital Movements: The Role of
KNOW	5.2003	Government Commitment Reyer GERLAGH: Induced Technological Change under Technological Competition
ETA	6.2003	Efrem CASTELNUOVO: 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	7.2003	Role of Liability, Regulation and Economic Incentives in Brownfield Remediation and Redevelopment:
		Evidence from Surveys of Developers
NRM	8.2003	Elissaios PAPYRAKIS and Reyer GERLAGH: Natural Resources: A Blessing or a Curse?
CLIM	9.2003	A. CAPARRÓS, JC. PEREAU and T. TAZDAÏT: North-South Climate Change Negotiations: a Sequential Game
		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
		Climate Change Policy Analysis
KNOW	12.2003	Carole MAIGNAN, Gianmarco OTTAVIANO and Dino PINELLI (eds.): Economic Growth, Innovation, Cultural
		Diversity: What are we all talking about? A critical survey of the state-of-the-art
KNOW	13.2003	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
		<u>Future Trajectories</u>
KNOW	15.2003	Tuzin BAYCAN LEVENT, Enno MASUREL and Peter NIJKAMP (lix): Diversity in Entrepreneurship: Ethnic and
******	1 6 2002	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
KNOW	17.2003	Slovakia Billy E. VAUGHN and Katarina MLEKOV (lix): A Stage Model of Developing an Inclusive Community
KINOW	17.2003	Dilly E. VAUGITY and Kalarina WLEKOV (IIX). A Stage Would of Developing an inclusive Community
	18 2003	
KNOW	18.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World
KNOW Coalition		Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World
KNOW Coalition Theory	18.2003 19.2003	
KNOW Coalition Theory Network	19.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities
KNOW Coalition Theory		Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World
KNOW Coalition Theory Network PRIV	19.2003 20.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale
KNOW Coalition Theory Network PRIV	19.2003 20.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation
KNOW Coalition Theory Network PRIV PRIV	19.2003 20.2003 21.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition
KNOW Coalition Theory Network PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment
KNOW Coalition Theory Network PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003	Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003	Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 26.2003	Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 26.2003 27.2003	Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 26.2003	Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes Anders LUNANDER and Jan-Eric NILSSON (lx): Taking the Lab to the Field: Experimental Tests of Alternative
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 26.2003 27.2003 28.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes Anders LUNANDER and Jan-Eric NILSSON (lx): Taking the Lab to the Field: Experimental Tests of Alternative Mechanisms to Procure Multiple Contracts
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 26.2003 27.2003 28.2003 29.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes Anders LUNANDER and Jan-Eric NILSSON (lx): Taking the Lab to the Field: Experimental Tests of Alternative Mechanisms to Procure Multiple Contracts TangaMcDANIEL and Karsten NEUHOFF (lx): Use of Long-term Auctions for Network Investment
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 26.2003 27.2003 28.2003 29.2003 30.2003	Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes Anders LUNANDER and Jan-Eric NILSSON (lx): Taking the Lab to the Field: Experimental Tests of Alternative Mechanisms to Procure Multiple Contracts TangaMcDANIEL and Karsten NEUHOFF (lx): Use of Long-term Auctions for Network Investment Emiel MAASLAND and Sander ONDERSTAL (lx): Auctions with Financial Externalities
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 26.2003 27.2003 28.2003 29.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes Anders LUNANDER and Jan-Eric NILSSON (lx): Taking the Lab to the Field: Experimental Tests of Alternative Mechanisms to Procure Multiple Contracts TangaMcDANIEL and Karsten NEUHOFF (lx): Use of Long-term Auctions for Network Investment Emiel MAASLAND and Bianca RUNDSHAGEN: A Non-cooperative Foundation of Core-Stability in Positive
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 26.2003 27.2003 28.2003 29.2003 30.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes Anders LUNANDER and Jan-Eric NILSSON (lx): Taking the Lab to the Field: Experimental Tests of Alternative Mechanisms to Procure Multiple Contracts TangaMcDANIEL and Karsten NEUHOFF (lx): Use of Long-term Auctions for Network Investment Emiel MAASLAND and Sander ONDERSTAL (lx): Auctions with Financial Externalities Michael FINUS and Bianca RUNDSHAGEN: A Non-cooperative Foundation of Core-Stability in Positive Externality NTU-Coalition Games
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 26.2003 27.2003 28.2003 29.2003 30.2003 31.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes Anders LUNANDER and Jan-Eric NILSSON (lx): Taking the Lab to the Field: Experimental Tests of Alternative Mechanisms to Procure Multiple Contracts TangaMcDANIEL and Karsten NEUHOFF (lx): Use of Long-term Auctions for Network Investment Emiel MAASLAND and Sander ONDERSTAL (lx): Auctions with Financial Externalities Michael FINUS and Bianca RUNDSHAGEN: A Non-cooperative Foundation of Core-Stability in Positive Externality NTU-Coalition Games Michele MORETTO: Competition and Irreversible Investments under Uncertainty
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 26.2003 27.2003 28.2003 29.2003 30.2003 31.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes Anders LUNANDER and Jan-Eric NILSSON (lx): Taking the Lab to the Field: Experimental Tests of Alternative Mechanisms to Procure Multiple Contracts TangaMcDANIEL and Karsten NEUHOFF (lx): Use of Long-term Auctions for Network Investment Emiel MAASLAND and Sander ONDERSTAL (lx): Auctions with Financial Externalities Michael FINUS and Bianca RUNDSHAGEN: A Non-cooperative Foundation of Core-Stability in Positive Externality NTU-Coalition Games
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 27.2003 28.2003 30.2003 31.2003 32.2003 33.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes Anders LUNANDER and Jan-Eric NILSSON (lx): Taking the Lab to the Field: Experimental Tests of Alternative Mechanisms to Procure Multiple Contracts TangaMcDANIEL and Karsten NEUHOFF (lx): Use of Long-term Auctions for Network Investment Emiel MAASLAND and Sander ONDERSTAL (lx): Auctions with Financial Externalities Michael FINUS and Bianca RUNDSHAGEN: A Non-cooperative Foundation of Core-Stability in Positive Externality NTU-Coalition Games Michael MORETTO: Competition and Irreversible Investments under Uncertainty Philippe QUIRION: Relative Quotas: Correct Answer to Uncertainty or Case of Regulatory Capture?
KNOW Coalition Theory Network PRIV PRIV PRIV PRIV PRIV PRIV PRIV PRIV	19.2003 20.2003 21.2003 22.2003 23.2003 24.2003 25.2003 27.2003 28.2003 30.2003 31.2003 32.2003 33.2003	Selma van LONDEN and Arie de RUIJTER (lix): Managing Diversity in a Glocalizing World Sergio CURRARINI: On the Stability of Hierarchies in Games with Externalities Giacomo CALZOLARI and Alessandro PAVAN (lx): Monopoly with Resale Claudio MEZZETTI (lx): Auction Design with Interdependent Valuations: The Generalized Revelation Principle, Efficiency, Full Surplus Extraction and Information Acquisition Marco LiCalzi and Alessandro PAVAN (lx): Tilting the Supply Schedule to Enhance Competition in Uniform- Price Auctions David ETTINGER (lx): Bidding among Friends and Enemies Hannu VARTIAINEN (lx): Auction Design without Commitment Matti KELOHARJU, Kjell G. NYBORG and Kristian RYDQVIST (lx): Strategic Behavior and Underpricing in Uniform Price Auctions: Evidence from Finnish Treasury Auctions Christine A. PARLOUR and Uday RAJAN (lx): Rationing in IPOs Kjell G. NYBORG and Ilya A. STREBULAEV (lx): Multiple Unit Auctions and Short Squeezes Anders LUNANDER and Jan-Eric NILSSON (lx): Taking the Lab to the Field: Experimental Tests of Alternative Mechanisms to Procure Multiple Contracts TangaMcDANIEL and Karsten NEUHOFF (lx): Use of Long-term Auctions for Network Investment Emiel MAASLAND and Sander ONDERSTAL (lx): Auctions with Financial Externalities Michael FINUS and Bianca RUNDSHAGEN: A Non-cooperative Foundation of Core-Stability in Positive Externality NTU-Coalition Games Michael MORETTO: Competition and Irreversible Investments under Uncertainty Philippe QUIRION: Relative Quotas: Correct Answer to Uncertainty or Case of Regulatory Capture? Giuseppe MEDA, Claudio PIGA and Donald SIEGEL: On the Relationship between R&D and Productivity: A

00	26.2002	Wall Charles William A. L.
GG	36.2003	Matthieu GLACHANT: Voluntary Agreements under Endogenous Legislative Threats
PRIV	37.2003	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
		Basin Region, Japan and US
CLIM	44.2003	Katrin MILLOCK and Céline NAUGES: The French Tax on Air Pollution: Some Preliminary Results on its
CLIIVI	44.2003	Effectiveness
PRIV	45.2003	Bernardo BORTOLOTTI and Paolo PINOTTI: The Political Economy of Privatization
SIEV	46.2003	Elbert DIJKGRAAF and Herman R.J. VOLLEBERGH: Burn or Bury? A Social Cost Comparison of Final Waste
SIEV	46.2003	· · · · · · · · · · · · · · · · · · ·
	47.2002	Disposal Methods NORTH CONTROL OF THE CONTROL OF T
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
		<u>Diffusion: The Case of Chlorine Manufacturing</u>
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): Allocation Rules for Network Games
CTN	52.2003	Ana MAULEON and Vincent VANNETELBOSCH (lxi): Farsightedness and Cautiousness in Coalition Formation
CTN	53.2003	Fernando VEGA-REDONDO (lxi): Building Up Social Capital in a Changing World: a network approach
CTN	54.2003	Matthew HAAG and Roger LAGUNOFF (lxi): On the Size and Structure of Group Cooperation
CTN	55.2003	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): An Infinite-Horizon Model of Dynamic Membership of International
CIN	37.2003	
IZMOW.	50.2002	Environmental Agreements
KNOW	58.2003	Carole MAIGNAN, Dino PINELLI and Gianmarco I.P. OTTAVIANO: ICT, Clusters and Regional Cohesion: A
		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
0211.1	02005	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
SILV	07.2003	Management Practices in the Venice Lagoon: Results from a Stated Choice Exercise
CLIM	(9.2002	
CLIM	68.2003	ZhongXiang ZHANG: Open Trade with the U.S. Without Compromising Canada's Ability to Comply with its
TO LOTH	60.2002	Kyoto Target
KNOW	69.2003	David FRANTZ (lix): Lorenzo Market between Diversity and Mutation
KNOW	70.2003	Ercole SORI (lix): Mapping Diversity in Social History
KNOW	71.2003	Ljiljana DERU SIMIC (lxii): What is Specific about Art/Cultural Projects?
KNOW	72.2003	Natalya V. TARANOVA (lxii): The Role of the City in Fostering Intergroup Communication in a Multicultural
		Environment: Saint-Petersburg's Case
KNOW	73.2003	Kristine CRANE (lxii): The City as an Arena for the Expression of Multiple Identities in the Age of
		Globalisation and Migration
KNOW	74.2003	Kazuma MATOBA (Ixii): Glocal Dialogue- Transformation through Transcultural Communication
KNOW	75.2003	Catarina REIS OLIVEIRA (lxii): Immigrants' Entrepreneurial Opportunities: The Case of the Chinese in
		Portugal
KNOW	76.2003	Sandra WALLMAN (lxii): The Diversity of Diversity - towards a typology of urban systems
KNOW	77.2003	Richard PEARCE (lxii): A Biologist's View of Individual Cultural Identity for the Study of Cities
KNOW	78.2003	Vincent MERK (lxii): Communication Across Cultures: from Cultural Awareness to Reconciliation of the
12.1011	, 0.2003	Dilemmas
KNOW	79.2003	Giorgio BELLETTINI, Carlotta BERTI CERONI and Gianmarco I.P.OTTAVIANO: Child Labor and Resistance
IX NO W	17.2003	to Change
ETA	90.2002	
ETA	80.2003	Michele MORETTO, Paolo M. PANTEGHINI and Carlo SCARPA: Investment Size and Firm's Value under
		Profit Sharing Regulation

IEM	81.2003	Alessandro LANZA, Matteo MANERA and Massimo GIOVANNINI: Oil and Product Dynamics in International
		Petroleum Markets
CLIM	82.2003	Y. Hossein FARZIN and Jinhua ZHAO: Pollution Abatement Investment When Firms Lobby Against
CL D.4	02 2002	Environmental Regulation
CLIM	83.2003	Giuseppe DI VITA: Is the Discount Rate Relevant in Explaining the Environmental Kuznets Curve?
CLIM	84.2003	Reyer GERLAGH and Wietze LISE: Induced Technological Change Under Carbon Taxes
NRM	85.2003	Rinaldo BRAU, Alessandro LANZA and Francesco PIGLIARU: How Fast are the Tourism Countries Growing?
KNOW	86.2003	The cross-country evidence Flow a RELLINIC Gramman LD OTTAVIANO and Dina BINELLI. The ICT Povelution, apportunities and risks
KNOW	80.2003	Elena BELLINI, Gianmarco I.P. OTTAVIANO and Dino PINELLI: The ICT Revolution: opportunities and risks for the Mezzogiorno
SIEV	87.2003	Lucas BRETSCGHER and Sjak SMULDERS: Sustainability and Substitution of Exhaustible Natural Resources.
SIL V	07.2003	How resource prices affect long-term R&D investments
CLIM	88.2003	Johan EYCKMANS and Michael FINUS: New Roads to International Environmental Agreements: The Case of
CEIN	00.2003	Global Warming
CLIM	89.2003	Marzio GALEOTTI: Economic Development and Environmental Protection
CLIM	90.2003	Marzio GALEOTTI: Environment and Economic Growth: Is Technical Change the Key to Decoupling?
CLIM	91.2003	Marzio GALEOTTI and Barbara BUCHNER: Climate Policy and Economic Growth in Developing Countries
IEM	92.2003	A. MARKANDYA, A. GOLUB and E. STRUKOVA: The Influence of Climate Change Considerations on Energy
		Policy: The Case of Russia
ETA	93.2003	Andrea BELTRATTI: Socially Responsible Investment in General Equilibrium
CTN	94.2003	Parkash CHANDER: The γ-Core and Coalition Formation
IEM	95.2003	Matteo MANERA and Angelo MARZULLO: Modelling the Load Curve of Aggregate Electricity Consumption
		<u>Using Principal Components</u>
IEM	96.2003	Alessandro LANZA, Matteo MANERA, Margherita GRASSO and Massimo GIOVANNINI: Long-run Models of
		Oil Stock Prices
CTN	97.2003	Steven J. BRAMS, Michael A. JONES, and D. Marc KILGOUR: Forming Stable Coalitions: The Process
		<u>Matters</u>
KNOW	98.2003	John CROWLEY, Marie-Cecile NAVES (lxiii): Anti-Racist Policies in France. From Ideological and Historical
		Schemes to Socio-Political Realities
KNOW	99.2003	Richard THOMPSON FORD (lxiii): Cultural Rights and Civic Virtue
KNOW	100.2003	Alaknanda PATEL (lxiii): Cultural Diversity and Conflict in Multicultural Cities
KNOW	101.2003	David MAY (lxiii): The Struggle of Becoming Established in a Deprived Inner-City Neighbourhood
KNOW	102.2003	Sébastien ARCAND, Danielle JUTEAU, Sirma BILGE, and Francine LEMIRE (Ixiii): Municipal Reform on the
CLIM	103.2003	<u>Island of Montreal: Tensions Between Two Majority Groups in a Multicultural City</u> <i>Barbara BUCHNER and Carlo CARRARO:</i> China and the Evolution of the Present Climate Regime
CLIM	103.2003	Barbara BUCHNER and Carlo CARRARO: Emissions Trading Regimes and Incentives to Participate in
CLIIVI	104.2003	International Climate Agreements
CLIM	105.2003	Anil MARKANDYA and Dirk T.G. RÜBBELKE: Ancillary Benefits of Climate Policy
NRM	106.2003	Anne Sophie CRÉPIN (lxiv): Management Challenges for Multiple-Species Boreal Forests
NRM	107.2003	Anne Sophie CRÉPIN (lxiv): Threshold Effects in Coral Reef Fisheries
SIEV	108.2003	Sara ANIYAR (lxiv): Estimating the Value of Oil Capital in a Small Open Economy: The Venezuela's Example
SIEV	109.2003	Kenneth ARROW, Partha DASGUPTA and Karl-Göran MÄLER(lxiv): Evaluating Projects and Assessing
		Sustainable Development in Imperfect Economies
NRM	110.2003	Anastasios XEPAPADEAS and Catarina ROSETA-PALMA(lxiv): Instabilities and Robust Control in Fisheries
NRM	111.2003	Charles PERRINGS and Brian WALKER (lxiv): Conservation and Optimal Use of Rangelands
ETA	112.2003	Jack GOODY (lxiv): Globalisation, Population and Ecology
CTN	113.2003	Carlo CARRARO, Carmen MARCHIORI and Sonia OREFFICE: Endogenous Minimum Participation in
		International Environmental Treaties
CTN	114.2003	Guillaume HAERINGER and Myrna WOODERS: Decentralized Job Matching
CTN	115.2003	Hideo KONISHI and M. Utku UNVER: Credible Group Stability in Multi-Partner Matching Problems
CTN	116.2003	Somdeb LAHIRI: Stable Matchings for the Room-Mates Problem
CTN	117.2003	Somdeb LAHIRI: Stable Matchings for a Generalized Marriage Problem
CTN	118.2003	Marita LAUKKANEN: Transboundary Fisheries Management under Implementation Uncertainty
CTN	119.2003	Edward CARTWRIGHT and Myrna WOODERS: Social Conformity and Bounded Rationality in Arbitrary
CTN	120 2002	Games with Incomplete Information: Some First Results Given the National Results of the Principle of the Pr
CTN	120.2003	Gianluigi VERNASCA: Dynamic Price Competition with Price Adjustment Costs and Product Differentiation Myrna WOODERS, Edward CARTWRIGHT and Reinhard SELTEN: Social Conformity in Games with Many
CTN	121.2003	Myrna WOODERS, Eawara CARTWRIGHT and Reinhard SELTEN: Social Conformity in Games with Many Players
CTN	122.2003	Edward CARTWRIGHT and Myrna WOODERS: On Equilibrium in Pure Strategies in Games with Many Players
CTN	123.2003	Edward CARTWRIGHT and Myrna WOODERS: On Equinoritain in Ture Strategies in Games with Many Edward CARTWRIGHT and Myrna WOODERS: Conformity and Bounded Rationality in Games with Many
CIII	123.2003	Players
	1000	Carlo CARRARO, Alessandro LANZA and Valeria PAPPONETTI: One Thousand Working Papers
		-, <u></u>

NOTE DI LAVORO PUBLISHED IN 2004

IEM	1.2004	Anil MARKANDYA, Suzette PEDROSO and Alexander GOLUB: Empirical Analysis of National Income and So2 Emissions in Selected European Countries
ETA	2.2004	Masahisa FUJITA and Shlomo WEBER: Strategic Immigration Policies and Welfare in Heterogeneous Countries
PRA	3.2004	Adolfo DI CARLUCCIO, Giovanni FERRI, Cecilia FRALE and Ottavio RICCHI: Do Privatizations Boost
		Household Shareholding? Evidence from Italy
ETA	4.2004	Victor GINSBURGH and Shlomo WEBER: Languages Disenfranchisement in the European Union
ETA	5.2004	Romano PIRAS: Growth, Congestion of Public Goods, and Second-Best Optimal Policy
CCMP	6.2004	Herman R.J. VOLLEBERGH: Lessons from the Polder: Is Dutch CO2-Taxation Optimal
PRA	7.2004	Sandro BRUSCO, Giuseppe LOPOMO and S. VISWANATHAN (lxv): Merger Mechanisms
PRA	8.2004	Wolfgang AUSSENEGG, Pegaret PICHLER and Alex STOMPER (lxv): IPO Pricing with Bookbuilding, and a When-Issued Market
PRA	9.2004	Pegaret PICHLER and Alex STOMPER (lxv): Primary Market Design: Direct Mechanisms and Markets
PRA	10.2004	Florian ENGLMAIER, Pablo GUILLEN, Loreto LLORENTE, Sander ONDERSTAL and Rupert SAUSGRUBER (lxv): The Chopstick Auction: A Study of the Exposure Problem in Multi-Unit Auctions
PRA	11.2004	Bjarne BRENDSTRUP and Harry J. PAARSCH (lxv): Nonparametric Identification and Estimation of Multi- Unit, Sequential, Oral, Ascending-Price Auctions With Asymmetric Bidders
PRA	12.2004	Ohad KADAN (lxv): Equilibrium in the Two Player, k-Double Auction with Affiliated Private Values
PRA	13.2004	Maarten C.W. JANSSEN (lxv): Auctions as Coordination Devices
PRA	14.2004	Gadi FIBICH, Arieh GAVIOUS and Aner SELA (lxv): All-Pay Auctions with Weakly Risk-Averse Buyers
PRA	15.2004	Orly SADE, Charles SCHNITZLEIN and Jaime F. ZENDER (lxv): Competition and Cooperation in Divisible Good Auctions: An Experimental Examination
PRA	16.2004	Marta STRYSZOWSKA (lxv): Late and Multiple Bidding in Competing Second Price Internet Auctions
CCMP	17.2004	Slim Ben YOUSSEF: R&D in Cleaner Technology and International Trade
NRM	18.2004	Angelo ANTOCI, Simone BORGHESI and Paolo RUSSU (lxvi): Biodiversity and Economic Growth:
		Stabilization Versus Preservation of the Ecological Dynamics
SIEV	19.2004	Anna ALBERINI, Paolo ROSATO, Alberto LONGO and Valentina ZANATTA: Information and Willingness to
		Pay in a Contingent Valuation Study: The Value of S. Erasmo in the Lagoon of Venice
NRM	20.2004	Guido CANDELA and Roberto CELLINI (lxvii): Investment in Tourism Market: A Dynamic Model of Differentiated Oligopoly
NRM	21.2004	Jacqueline M. HAMILTON (Ixvii): Climate and the Destination Choice of German Tourists
NRM	22.2004	Javier Rey-MAQUIEIRA PALMER, Javier LOZANO IBÁÑEZ and Carlos Mario GÓMEZ GÓMEZ (lxvii):
INKIVI		Land, Environmental Externalities and Tourism Development
NRM	23.2004	Pius ODUNGA and Henk FOLMER (lxvii): <u>Profiling Tourists for Balanced Utilization of Tourism-Based</u> Resources in Kenya
NRM	24.2004	Jean-Jacques NOWAK, Mondher SAHLI and Pasquale M. SGRO (lxvii): Tourism, Trade and Domestic Welfare
NRM	25.2004	Riaz SHAREEF (Ixvii): Country Risk Ratings of Small Island Tourism Economies
NRM	26.2004	Juan Luis EUGENIO-MARTÍN, Noelia MARTÍN MORALES and Riccardo SCARPA (lxvii): Tourism and
		Economic Growth in Latin American Countries: A Panel Data Approach
NRM	27.2004	Raúl Hernández MARTÍN (Ixvii): Impact of Tourism Consumption on GDP. The Role of Imports
CSRM	28.2004	Nicoletta FERRO: Cross-Country Ethical Dilemmas in Business: A Descriptive Framework
NRM	29.2004	Marian WEBER (lxvi): Assessing the Effectiveness of Tradable Landuse Rights for Biodiversity Conservation: an Application to Canada's Boreal Mixedwood Forest
NRM	30.2004	Trond BJORNDAL, Phoebe KOUNDOURI and Sean PASCOE (lxvi): Output Substitution in Multi-Species Trawl Fisheries: Implications for Quota Setting
CCMP	31.2004	Marzio GALEOTTI, Alessandra GORIA, Paolo MOMBRINI and Evi SPANTIDAKI: Weather Impacts on
	32.2004	Natural, Social and Economic Systems (WISE) Part I: Sectoral Analysis of Climate Impacts in Italy Marzio GALEOTTI, Alessandra GORIA, Paolo MOMBRINI and Evi SPANTIDAKI: Weather Impacts on
CCMP	32.2004	Natural, Social and Economic Systems (WISE) Part II: Individual Perception of Climate Extremes in Italy
CTN	33.2004	Wilson PEREZ: Divide and Conquer: Noisy Communication in Networks, Power, and Wealth Distribution
KTHC	34.2004	Gianmarco I.P. OTTAVIANO and Giovanni PERI (Ixviii): The Economic Value of Cultural Diversity: Evidence from US Cities
KTHC	35.2004	Linda CHAIB (Ixviii): Immigration and Local Urban Participatory Democracy: A Boston-Paris Comparison
	36.2004	Franca ECKERT COEN and Claudio ROSSI (lxviii): Foreigners, Immigrants, Host Cities: The Policies of
KTHC	JU.2007	Multi-Ethnicity in Rome. Reading Governance in a Local Context
KTHC	37.2004	Kristine CRANE (Ixviii): Governing Migration: Immigrant Groups' Strategies in Three Italian Cities – Rome, Naples and Bari
KTHC	38.2004	Kiflemariam HAMDE (Ixviii): Mind in Africa, Body in Europe: The Struggle for Maintaining and Transforming Cultural Identity - A Note from the Experience of Eritrean Immigrants in Stockholm
ETA	39.2004	Alberto CAVALIERE: Price Competition with Information Disparities in a Vertically Differentiated Duopoly
PRA	40.2004	Andrea BIGANO and Stef PROOST: The Opening of the European Electricity Market and Environmental
	41.2004	Policy: Does the Degree of Competition Matter?
CCMP		Micheal FINUS (lxix): <u>International Cooperation to Resolve International Pollution Problems</u>
KTHC	42.2004	Francesco CRESPI: Notes on the Determinants of Innovation: A Multi-Perspective Analysis

CTN	43.2004	Sergio CURRARINI and Marco MARINI: Coalition Formation in Games without Synergies
CTN	44.2004	Marc ESCRIHUELA-VILLAR: Cartel Sustainability and Cartel Stability
NRM	45.2004	Sebastian BERVOETS and Nicolas GRAVEL (lxvi): Appraising Diversity with an Ordinal Notion of Similarity:
NRM	46.2004	An Axiomatic Approach Signe ANTHON and Bo JELLESMARK THORSEN (lxvi): Optimal Afforestation Contracts with Asymmetric Information on Private Environmental Benefits
NRM	47.2004	John MBURU (lxvi): Wildlife Conservation and Management in Kenya: Towards a Co-management Approach
NRM	48.2004	Ekin BIROL, Ágnes GYOVAI and Melinda SMALE (lxvi): Using a Choice Experiment to Value Agricultural
CCMP	49.2004	Biodiversity on Hungarian Small Farms: Agri-Environmental Policies in a Transition al Economy Gernot KLEPPER and Sonja PETERSON: The EU Emissions Trading Scheme. Allowance Prices, Trade Flows, Competitiveness Effects
GG	50.2004	Scott BARRETT and Michael HOEL: Optimal Disease Eradication
CTN	51.2004	Dinko DIMITROV, Peter BORM, Ruud HENDRICKX and Shao CHIN SUNG: Simple Priorities and Core Stability in Hedonic Games
SIEV	52.2004	Francesco RICCI: Channels of Transmission of Environmental Policy to Economic Growth: A Survey of the Theory
SIEV	53.2004	Anna ALBERINI, Maureen CROPPER, Alan KRUPNICK and Nathalie B. SIMON: Willingness to Pay for Mortality Risk Reductions: Does Latency Matter?
NRM	54.2004	Ingo BRÄUER and Rainer MARGGRAF (lxvi): Valuation of Ecosystem Services Provided by Biodiversity Conservation: An Integrated Hydrological and Economic Model to Value the Enhanced Nitrogen Retention in Renaturated Streams
NRM	55.2004	Timo GOESCHL and Tun LIN (lxvi): Biodiversity Conservation on Private Lands: Information Problems and Regulatory Choices
NRM CCMP	56.2004 57.2004	Tom DEDEURWAERDERE (lxvi): Bioprospection: From the Economics of Contracts to Reflexive Governance Katrin REHDANZ and David MADDISON: The Amenity Value of Climate to German Households
CCMP	58.2004	Koen SMEKENS and Bob VAN DER ZWAAN: Environmental Externalities of Geological Carbon Sequestration
		Effects on Energy Scenarios
NRM	59.2004	Valentina BOSETTI, Mariaester CASSINELLI and Alessandro LANZA (lxvii): <u>Using Data Envelopment</u> Analysis to Evaluate Environmentally Conscious Tourism Management
NRM	60.2004	Timo GOESCHL and Danilo CAMARGO IGLIORI (lxvi): Property Rights Conservation and Development: An Analysis of Extractive Reserves in the Brazilian Amazon
CCMP	61.2004	Barbara BUCHNER and Carlo CARRARO: Economic and Environmental Effectiveness of a Technology-based Climate Protocol
NRM	62.2004	Elissaios PAPYRAKIS and Reyer GERLAGH: Resource-Abundance and Economic Growth in the U.S.
NRM	63.2004	Györgyi BELA, György PATAKI, Melinda SMALE and Mariann HAJDÚ (lxvi): Conserving Crop Genetic Resources on Smallholder Farms in Hungary: Institutional Analysis
NRM	64.2004	E.C.M. RUIJGROK and E.E.M. NILLESEN (lxvi): The Socio-Economic Value of Natural Riverbanks in the Netherlands
NRM	65.2004	E.C.M. RUIJGROK (lxvi): Reducing Acidification: The Benefits of Increased Nature Quality. Investigating the Possibilities of the Contingent Valuation Method
ETA	66.2004	Giannis VARDAS and Anastasios XEPAPADEAS: Uncertainty Aversion, Robust Control and Asset Holdings
GG	67.2004	Anastasios XEPAPADEAS and Constadina PASSA: Participation in and Compliance with Public Voluntary
GG	68.2004	Environmental Programs: An Evolutionary Approach Michael FINUS: Modesty Pays: Sometimes!
NRM	69.2004	Trond BJØRNDAL and Ana BRASÃO: The Northern Atlantic Bluefin Tuna Fisheries: Management and Policy
CTN	70.2004	Implications Alejandro CAPARRÓS, Abdelhakim HAMMOUDI and Tarik TAZDAÏT: On Coalition Formation with
IEM	71.2004	Heterogeneous Agents Massimo GIOVANNINI, Margherita GRASSO, Alessandro LANZA and Matteo MANERA: Conditional
IEM	72.2004	Correlations in the Returns on Oil Companies Stock Prices and Their Determinants Alessandro LANZA, Matteo MANERA and Michael MCALEER: Modelling Dynamic Conditional Correlations
SIEV	73.2004	in WTI Oil Forward and Futures Returns Margarita GENIUS and Elisabetta STRAZZERA: The Copula Approach to Sample Selection Modelling:
CCMP	74.2004	An Application to the Recreational Value of Forests Rob DELLINK and Ekko van IERLAND: Pollution Abatement in the Netherlands: A Dynamic Applied General
ETA	75.2004	Equilibrium Assessment Rosella LEVAGGI and Michele MORETTO: Investment in Hospital Care Technology under Different
		Purchasing Rules: A Real Option Approach
CTN	76.2004	Salvador BARBERÀ and Matthew O. JACKSON (lxx): On the Weights of Nations: Assigning Voting Weights in a Heterogeneous Union
CTN	77.2004	Àlex ARENAS, Antonio CABRALES, Albert DÍAZ-GUILERA, Roger GUIMERÀ and Fernando VEGA- REDONDO (lxx): Optimal Information Transmission in Organizations: Search and Congestion
CTN	78.2004	Francis BLOCH and Armando GOMES (lxx): Contracting with Externalities and Outside Options
CTN	79.2004	Rabah AMIR, Effrosyni DIAMANTOUDI and Licun XUE (lxx): Merger Performance under Uncertain Efficiency Gains
CTN CTN	80.2004 81.2004	Francis BLOCH and Matthew O. JACKSON (lxx): The Formation of Networks with Transfers among Players Daniel DIERMEIER, Hülya ERASLAN and Antonio MERLO (lxx): Bicameralism and Government Formation

CTN	82.2004	Rod GARRATT, James E. PARCO, Cheng-ZHONG QIN and Amnon RAPOPORT (lxx): Potential Maximization and Coalition Government Formation
CTN	83.2004	Kfir ELIAZ, Debraj RAY and Ronny RAZIN (lxx): Group Decision-Making in the Shadow of Disagreement
CTN	84.2004	Sanjeev GOYAL, Marco van der LEIJ and José Luis MORAGA-GONZÁLEZ (lxx): Economics: An Emerging Small World?
CTN	85.2004	Edward CARTWRIGHT (lxx): Learning to Play Approximate Nash Equilibria in Games with Many Players
IEM	86.2004	Finn R. FØRSUND and Michael HOEL: Properties of a Non-Competitive Electricity Market Dominated by Hydroelectric Power
KTHC	87.2004	Elissaios PAPYRAKIS and Reyer GERLAGH: Natural Resources, Investment and Long-Term Income
CCMP	88.2004	Marzio GALEOTTI and Claudia KEMFERT: Interactions between Climate and Trade Policies: A Survey
IEM	89.2004	A. MARKANDYA, S. PEDROSO and D. STREIMIKIENE: Energy Efficiency in Transition Economies: Is There
121.1	03.200.	Convergence Towards the EU Average?
GG	90.2004	Rolf GOLOMBEK and Michael HOEL: Climate Agreements and Technology Policy
PRA	91.2004	Sergei IZMALKOV (lxv): Multi-Unit Open Ascending Price Efficient Auction
KTHC	92.2004	Gianmarco I.P. OTTAVIANO and Giovanni PERI: Cities and Cultures
KTHC	93.2004	Massimo DEL GATTO: Agglomeration, Integration, and Territorial Authority Scale in a System of Trading
		<u>Cities. Centralisation versus devolution</u>
CCMP	94.2004	Pierre-André JOUVET, Philippe MICHEL and Gilles ROTILLON: Equilibrium with a Market of Permits
CCMP	95.2004	Bob van der ZWAAN and Reyer GERLAGH: Climate Uncertainty and the Necessity to Transform Global
CCMP	96.2004	Energy Supply Francesco BOSELLO, Marco LAZZARIN, Roberto ROSON and Richard S.J. TOL: Economy-Wide Estimates of
		the Implications of Climate Change: Sea Level Rise
CTN	97.2004	Gustavo BERGANTIÑOS and Juan J. VIDAL-PUGA: Defining Rules in Cost Spanning Tree Problems Through
		the Canonical Form
CTN	98.2004	Siddhartha BANDYOPADHYAY and Mandar OAK: Party Formation and Coalitional Bargaining in a Model of
GG	99.2004	Proportional Representation Hans-Peter WEIKARD, Michael FINUS and Juan-Carlos ALTAMIRANO-CABRERA: The Impact of Surplus
dd	JJ.2004	Sharing on the Stability of International Climate Agreements
SIEV	100.2004	Chiara M. TRAVISI and Peter NIJKAMP: Willingness to Pay for Agricultural Environmental Safety: Evidence
SILV	100.2004	from a Survey of Milan, Italy, Residents
SIEV	101.2004	Chiara M. TRAVISI, Raymond J. G. M. FLORAX and Peter NIJKAMP: A Meta-Analysis of the Willingness to
SIL V	101.2004	Pay for Reductions in Pesticide Risk Exposure
NRM	102.2004	Valentina BOSETTI and David TOMBERLIN: Real Options Analysis of Fishing Fleet Dynamics: A Test
CCMP	102.2004	Alessandra GORIA e Gretel GAMBARELLI: Economic Evaluation of Climate Change Impacts and Adaptability
CCIVII	103.2004	in Italy
PRA	104.2004	Massimo FLORIO and Mara GRASSENI: The Missing Shock: The Macroeconomic Impact of British Privatisation
PRA	105.2004	John BENNETT, Saul ESTRIN, James MAW and Giovanni URGA: Privatisation Methods and Economic Growth
DD 4	106 2004	in Transition Economies
PRA	106.2004	Kira BÖRNER: The Political Economy of Privatization: Why Do Governments Want Reforms?
PRA	107.2004	Pehr-Johan NORBÄCK and Lars PERSSON: Privatization and Restructuring in Concentrated Markets
SIEV	108.2004	Angela GRANZOTTO, Fabio PRANOVI, Simone LIBRALATO, Patrizia TORRICELLI and Danilo
		MAINARDI: Comparison between Artisanal Fishery and Manila Clam Harvesting in the Venice Lagoon by
CTN	100 2004	Using Ecosystem Indicators: An Ecological Economics Perspective
CTN	109.2004	Somdeb LAHIRI: The Cooperative Theory of Two Sided Matching Problems: A Re-examination of Some
NDM	110 2004	Results On the second of the
NRM	110.2004	Giuseppe DI VITA: Natural Resources Dynamics: Another Look
SIEV	111.2004	Anna ALBERINI, Alistair HUNT and Anil MARKANDYA: Willingness to Pay to Reduce Mortality Risks:
KTHO	112 2004	Evidence from a Three-Country Contingent Valuation Study
KTHC	112.2004	Valeria PAPPONETTI and Dino PINELLI: Scientific Advice to Public Policy-Making
SIEV	113.2004	Paulo A.L.D. NUNES and Laura ONOFRI: The Economics of Warm Glow: A Note on Consumer's Behavior
IEM	114.2004	and Public Policy Implications Patrick CAYRADE: Investments in Gas Pipelines and Liquefied Natural Gas Infrastructure What is the Impact
12.111	111.2001	on the Security of Supply?
IEM	115.2004	Valeria COSTANTINI and Francesco GRACCEVA: Oil Security. Short- and Long-Term Policies
IEM	116.2004	Valeria COSTANTINI and Francesco GRACCEVA: Social Costs of Energy Disruptions
IEM	117.2004	Christian EGENHOFER, Kyriakos GIALOGLOU, Giacomo LUCIANI, Maroeska BOOTS, Martin SCHEEPERS,
123.11	117.200	Valeria COSTANTINI, Francesco GRACCEVA, Anil MARKANDYA and Giorgio VICINI: Market-Based Options for Security of Energy Supply
IEM	118.2004	David FISK: Transport Energy Security. The Unseen Risk?
IEM	119.2004	Giacomo LUCIANI: Security of Supply for Natural Gas Markets. What is it and What is it not?
IEM	120.2004	L.J. de VRIES and R.A. HAKVOORT: The Question of Generation Adequacy in Liberalised Electricity Markets
KTHC	120.2004	Alberto PETRUCCI: Asset Accumulation, Fertility Choice and Nondegenerate Dynamics in a Small Open
KIIIC	121.2004	Economy
NRM	122.2004	Carlo GIUPPONI, Jaroslaw MYSIAK and Anita FASSIO: An Integrated Assessment Framework for Water
TATATA	122.2004	Resources Management: A DSS Tool and a Pilot Study Application
NRM	123.2004	Margaretha BREIL, Anita FASSIO, Carlo GIUPPONI and Paolo ROSATO: Evaluation of Urban Improvement
TATATA	123.2004	on the Islands of the Venice Lagoon: A Spatially-Distributed Hedonic-Hierarchical Approach

ETA	124.2004	Paul MENSINK: Instant Efficient Pollution Abatement Under Non-Linear Taxation and Asymmetric
		Information: The Differential Tax Revisited
NRM	125.2004	Mauro FABIANO, Gabriella CAMARSA, Rosanna DURSI, Roberta IVALDI, Valentina MARIN and Francesca
		PALMISANI: Integrated Environmental Study for Beach Management: A Methodological Approach
PRA	126.2004	Irena GROSFELD and Iraj HASHI: The Emergence of Large Shareholders in Mass Privatized Firms: Evidence
		from Poland and the Czech Republic
CCMP	127.2004	Maria BERRITTELLA, Andrea BIGANO, Roberto ROSON and Richard S.J. TOL: A General Equilibrium
		Analysis of Climate Change Impacts on Tourism
CCMP	128.2004	Reyer GERLAGH: A Climate-Change Policy Induced Shift from Innovations in Energy Production to Energy
		<u>Savings</u>
NRM	129.2004	Elissaios PAPYRAKIS and Reyer GERLAGH: Natural Resources, Innovation, and Growth
PRA	130.2004	Bernardo BORTOLOTTI and Mara FACCIO: Reluctant Privatization
SIEV	131.2004	Riccardo SCARPA and Mara THIENE: Destination Choice Models for Rock Climbing in the Northeast Alps: A
		Latent-Class Approach Based on Intensity of Participation
SIEV	132.2004	Riccardo SCARPA Kenneth G. WILLIS and Melinda ACUTT: Comparing Individual-Specific Benefit Estimates
		for Public Goods: Finite Versus Continuous Mixing in Logit Models
IEM	133.2004	Santiago J. RUBIO: On Capturing Oil Rents with a National Excise Tax Revisited
ETA	134.2004	Ascensión ANDINA DÍAZ: Political Competition when Media Create Candidates' Charisma
SIEV	135.2004	Anna ALBERINI: Robustness of VSL Values from Contingent Valuation Surveys
CCMP	136.2004	Gernot KLEPPER and Sonja PETERSON: Marginal Abatement Cost Curves in General Equilibrium: The
		Influence of World Energy Prices
ETA	137.2004	Herbert DAWID, Christophe DEISSENBERG and Pavel ŠEVČIK: Cheap Talk, Gullibility, and Welfare in an
		Environmental Taxation Game
CCMP	138.2004	ZhongXiang ZHANG: The World Bank's Prototype Carbon Fund and China

- (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
- (lxii) This paper was presented at the ENGIME Workshop on "Communication across Cultures in Multicultural Cities", The Hague, November 7-8, 2002
- (lxiii) This paper was presented at the ENGIME Workshop on "Social dynamics and conflicts in multicultural cities", Milan, March 20-21, 2003
- (lxiv) This paper was presented at the International Conference on "Theoretical Topics in Ecological Economics", organised by the Abdus Salam International Centre for Theoretical Physics ICTP, the Beijer International Institute of Ecological Economics, and Fondazione Eni Enrico Mattei FEEM Trieste, February 10-21, 2003
- (lxv) This paper was presented at the EuroConference on "Auctions and Market Design: Theory, Evidence and Applications" organised by Fondazione Eni Enrico Mattei and sponsored by the EU, Milan, September 25-27, 2003
- (lxvi) This paper has been presented at the 4th BioEcon Workshop on "Economic Analysis of Policies for Biodiversity Conservation" organised on behalf of the BIOECON Network by Fondazione Eni Enrico Mattei, Venice International University (VIU) and University College London (UCL), Venice, August 28-29, 2003
- (lxvii) This paper has been presented at the international conference on "Tourism and Sustainable Economic Development Macro and Micro Economic Issues" jointly organised by CRENoS (Università di Cagliari e Sassari, Italy) and Fondazione Eni Enrico Mattei, and supported by the World Bank, Sardinia, September 19-20, 2003
- (lxviii) This paper was presented at the ENGIME Workshop on "Governance and Policies in Multicultural Cities", Rome, June 5-6, 2003
- (lxix) This paper was presented at the Fourth EEP Plenary Workshop and EEP Conference "The Future of Climate Policy", Cagliari, Italy, 27-28 March 2003 (lxx) This paper was presented at the 9th Coalition Theory Workshop on "Collective Decisions and
- (lxx) This paper was presented at the 9th Coalition Theory Workshop on "Collective Decisions and Institutional Design" organised by the Universitat Autònoma de Barcelona and held in Barcelona, Spain, January 30-31, 2004

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

2004 SERIES

CCMP 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)

KTHC Knowledge, Technology, Human Capital (Editor: Gianmarco Ottaviano)

IEM International Energy Markets (Editor: Anil Markandya)

CSRM Corporate Social Responsibility and Management (Editor: Sabina Ratti)

PRA Privatisation, Regulation, Antitrust (Editor: Bernardo Bortolotti)

ETA Economic Theory and Applications (Editor: Carlo Carraro)

CTN Coalition Theory Network