PART II

LIST OF EUROPEAN VALUATION STUDIES

1. Introduction

This is a reasonably complete list of European studies using environmental valuation techniques (Contingent Valuation, other Stated Preference techniques - conjoint analysis, choice experiments, contingent ranking, contingent ratings etc., Travel Cost Method, Hedonic Price Method). Note that several publications might be based on the same empirical study. Therefore the number of original empirical studies is not simply the sum of the publications. The list also contains a few publications which represents collection of studies (i.e. literature reviews and meta analyses).

The most complete existing review of European valuation studies done up until 1992 is Navrud, S. (ed.) 1992: *Pricing the European Environment* (Scandinavian University Press/Oxford University Press). The book covers the following countries: Finland, France, Germany, the Netherlands, Norway, Sweden, Switzerland and United Kingdom and reviews about 200 studies. Around the time the book was published, Denmark, Italy and Spain had just started doing valuation studies (especially on forest recreation). The list below contains mainly studies from the period 1992-1999, and clearly shows how the interest in environmental valuation techniques has spread across Europe. As a result of this, and high activity in the European countries that traditionally have done many valuation studies (UK, Sweden and Norway), the annual number of valuation studies performed in Europe has also increased greatly over the seven years that have passed since Navrud (1992) was published. The list below contains about 450 studies; i.e. bringing the total number of European studies to at least 650.

The studies are listed in alphabetical order by country in three categories: i) EU member states, ii) EFTA countries and iii) Central and Eastern European countries. EVRI contains the following information for each entered/captured study: author(s), year of publication, title, and reference to where it is published (journal, book, internal report/working paper, external report). This list together with the about 200 studied listed in Navrud (1992), will form the basis for selecting European studies to be captured in EVRI, the web-based database for environmental valuation studies: EVRI - see [http://www.evri.ec.gc.ca/EVRI/](http://www.evri.ec.gc.ca/EVRI/). In this pilot project we aim at capturing about 15 studies. Based on the criteria that we should capture at least one study in each EU - member state, 15 studies from the list are proposed (marked "*"). Since the valuation methods have developed rapidly over the last 5 years, we have mainly selected studies from the period 1994-1999 in this first stage of capturing studies. Studies on topics which are thought to be of interest to all EU member states (and preferably those funded by the European Commission) have been selected. We have also tried to select studies on a wide range of environmental goods.
2. References to European Valuation studies

EU-MEMBER STATES

AUSTRIA (16 studies)


Getzner, M. 1999. Hypothetical and real economic commitments, and social statu

in valuing a species protection program. Working paper of the University of Klagenfurt Department of Economic 9903, Klagenfurt


Pruckner, G. J. 1994. Die Ökonomische Quantifizierung natürlicher Ressourcen – Eine Bewertung übertrieblerlicher Leistung der Österreichischen Land- und Forstwirtschaft. (The measurement of non market values in the Austrian agricultural sector), Verlag Peter Lang, Frankfurt am Main. In German


BELGIUM (2 studies)


DENMARK (3 studies)


FINLAND (34 studies)


Gynther L. et al. 1998 Willingness to pay for better air quality. Ilmansuojelu-lehti 4/98 (Journal of the Finnish Air Pollution Prevention Society)


Mäntymaa, E. 1994. Continuous question and bidding tree technique in contingent valuation research. Research Institute of Northern Finland, University of Oulu, Department of Economics, University of Oulu. Department of Economics and Management Sciences, University of Lapland. Discussion papers in economics and business studies, No. 13, Oulu, 21 p

Mäntymaa, E. 1994. On revealing preferences with the contingent valuation method. Research Institute of Northern Finland, University of Oulu, Department of Economics, University of Oulu & Department of Economics and Management Sciences, University of Lapland. Discussion papers in economics and business studies, No. 14, Oulu, 22 p


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Assessment of EVRI and the Expansion of its Coverage to the EU


FRANCE (22 studies)


Furlan, S. 1996: Evaluation du coût externe du bruit généré par le traffic automobile pour la
Le Goffe, P.; Gerber, P. 1994 Coûts environnementaux et bénéfices de l'implantation d'une sablière en zone périurbaine : le cas de Pace (Ille-et-Vilaine). (Environmental costs and benefits of the implementation of a sand quarry: a case study in an urban fringe at Pacé (Ille et Vilaine). In French. INRA Report 36 p.
Rozan A., 1999: Une évaluation économique des bénéfices de morbidité induits par une amélioration de la qualité de l’air, (Economic valuation of morbidity benefits induced by an improvement in air quality), Economie et Prévision submitted. In French.
GERMANY (3 studies)


GREECE (4 studies)


IRELAND (6 studies)


to value the non-market benefits and costs of existing forestry and possible future afforestation programmes in Ireland and Scotland. in: The socio-economic impact of afforestation on rural development (eds Dhubhain A and Gardiner J J University College Dublin) Final Report on contract no. 8001-CT90-0008 under the EU CAMAR Programme.


Hutchinson W G and Chilton S M (1995) Integrating cognitive psychology into the CVM to explore the trade-offs between non market costs and benefits of alternative afforestation programmes in Ireland Chapter 8 in Forest economics and the environment (Eds. Adamowicz W L et al.) CABI, London 160-180


ITALY (18 studies)


PORTUGAL (14 studies)


Nunes, P.A., 1998 "Non-parametric testing procedures and parametric model specifications of the stated WTP responses from a CV survey in Portugal", CES discussion paper, n. 98.11, Center for Economic Studies, Department of Economics, Catholic University of Leuven, Leuven, Belgium;


SPAIN (30 studies)


Naredo, J.M. undated: Los flujos de energía, agua, materiales e información en la Comunidad de Madrid y sus contrapartidas monetarias”.


SWEDEN (36 studies)


Drake, Lars (1987), "Värdet av bevarat jordbrukslandskap - Resultat av intervjuundersökningar” (The value of preserving the agricultural landscape – Results from surveys). Rapport 289, Department of Economics and Statistics, Swedish University of Agricultural Sciences, Ultuna.

Drake, Lars, Kumm, Karl-Ivar and Mari Andersson (1991), "Har jordbruket i Rottnadalen någon framtid? En analys av landskapsvärden och företagsekonomiska kostnader” (Does the agriculture in Rottna valley have any future? Analysis of landscape values and business costs). Småskriftserien nr 48, Department of Economics, Swedish University of Agricultural Sciences, Ultuna.


Hasund, Knut Per (1997),”Documentation of Three Contingent Valuation Surveys on Preservation of Landscape Elements of Agricultural Land” Swedish University of Agricultural Sciences (SLU), Department of Economics.

Inregia AB (Institute for regional analysis), (1993), "Bromma flygfält: Vad tyckers..."
Brommaborna och andra Stockholmare?’. (Bromma airport: What’s the opinion of Bromma residents and other residents of Stockholm). Rapport, Inregia AB, Stockholm.

Ivehammar, Pernilla (1996), ”Värdering av biltunnel framför resecentrum i Linköping med binär CVM” (Valuation of a car tunnel in front of the travel center in Linköping with binary CVM). VTI notat 18, Väg- och transportforskningsinstitutet, Linköping.


Johansson, Per-Olov and Stojan Zavisic (1989), ”Svenska folkets miljöbudget” (Swedes’ environmental budget). Ekonomisk Debatt, 17, 6, 472-474.


Silvander, Ulf (1991), ”Betalningsvillighetsstudier för sportfiske och grundvatten i Sverige” (The willingness to pay for angling and ground water in Sweden). Avhandlingar 2, Department of Economics, Swedish University of Agricultural Sciences, Ulltuna.
Silvander, Ulf (1991), "Betalningsvillighetsstudier för sportfiske och grundvatten i Sverige" (The willingness to pay for angling and ground water in Sweden). Avhandlingar 2, Department of Economics, Swedish University of Agricultural Sciences, Ulltuna.


THE NETHERLANDS (6 studies)


UNITED KINGDOM (192 studies)


Bateman, I.J. (1994) *Carbon dioxide: Valuation and fixing via afforestation*, *Report to the Energy Technology Support Unit (ETSU)*, Harwell, Oxfordshire as part of the IEA Greenhouse Gas R&D Programme, School of Environmental Sciences, University of East Anglia, pp95.

Bateman, I.J. and Lake, I. (1995) Developing a methodology for valuing the visual disamenity of high voltage electricity transmission lines: A hedonic pricing / GIS approach, *Report to the Commission of the European Community as part of the EXTERNE programme*, Energy Technology Support Unit (ETSU), Harwell, Oxfordshire, School of Environmental Sciences, University of East Anglia, pp30.


Bateman, I.J., Bateman, S., Brown, D., Doktor, P., Karas, J.H.W., Maher, A., and Turner, R.K.,


Willingness to Pay", Social Science and Medicine 15C , 1981, 67-75
Chilton S M and W G Hutchinson (1999) Some further implications of incorporating the warm glow of giving into welfare measures; A comment on the use of donation mechanisms by Champ et al., Journal of Environmental Economics and Management 37 202 – 209
Chilton S M and Hutchinson (1999) Exploring divergence between respondent and researcher definition of the good in CV studies. Journal of Agricultural Economics 50(1); 1-16
Dubourg, W. R. , M. W. Jones-Lee and G. Loomes 1994: Imprecise Preferences and the WTP-


Research on the Global Environment, University of East Anglia and University College London.


House M, Tunstall S, Green C, Portou J and Clarke L 1994 Evaluation of use values from alleviating low flows, R & D Note 258, Bristol: National Rivers Authority
Hutchinson W G (1997) Evaluation methods to measure and monitor change in environmental benefits from agriculture. In Environmental benefits from agriculture ; Issues and policies (eds. OECD ) Paris
Kerr, G.N. and Bateman, I.J. (1997) Response behaviours in multiple-bounded contingent


Munro A and N Hanley "Information, Uncertainty and Contingent Valuation" in Bateman, I.J. and Willis, K.G. (eds.) *Contingent Valuation of Environmental Preferences: Assessing Theory and Practice in the USA, Europe, and Developing Countries*. Oxford University Press.


Scarpa R Chilton S M Hutchinson W G and Buongiorno J (1999) Valuing the recreational benefits from the creation of nature reserves in Irish forests. Working paper Fondazione Eni Enrico Mattei, Milan Italy


Turner, R.K., Bateman, I.J. and Brooke J.S. (1992) Valuing the benefits of coastal defence: A


EFTA COUNTRIES

NORWAY (44 studies)


Hagestuen, W and K. Skogen 1995: Samfunnsøkonomisk Verdi av Naturressursene i


Saelensminde, K. 1995: Stated preference methods. Methodological problems and results
from a conjoint analysis survey. Institute for Transport Economics (TØI), Oslo, Unpublished.


SWITZERLAND (16 studies)


CENTRAL AND EASTERN EUROPEAN COUNTRIES

BULGARIA (1 study)


CROATIA (2 studies)


CZECH REPUBLIC (1 study)


HUNGARY (1 study)

Vari, Anna 1999: Development of flood control in Hungary: questionnaire survey of the willingness to pay among the affected population, Budapest: MTA Research Institute of Sociology.

LATVIA (1 study)

POLAND (7 studies)


