

## Publications by TERRA Consortium members in 2001

Author(s)	Title	Published in	Date
Ayres, R.U.	Economic growth models and the role of physical resources	Bartelmus, Peter (ed), Unveiling wealth – on money, quality of life, and sustainability, Kluwer Publications	2002
Ayres, R.U.	Towards a new economic paradigm	WorldWatch	Oct. 2001
Ayres, R.U.; Warr, B.	Accounting for Growth; The role of physical work	American Economic Review.	2001
Ayres, R.U.; Warr, B.	Exergy, power and Work in the US. Economy; 1900-1998	Ed. P. Bartelmus	2001
Berg, C.	Nachhaltigkeit und Technikentwicklung aus einer theologischen Perspektive (Sustainability and technology development from a theological perspective)	Berg C. et al. (Hg.), Der Mensch als homo faber – Technikentwicklung zwischen Faszination und Verantwortung (The man as homo faber - technology development between fascination and responsibility), Münster/ Hamburg/ London, p.: 59-83	2001
Dolfsma, W.	Benchmarks voor de 'Nieuwe Economie'	I & I: Nieuwe Media in Perspectief 19(2): 31-4	April 2001
Dolfsma, W.	Metaphors of Knowledge in Economics	Review of Social Economy, 59(1): 71-91, 2001 (London: Routledge)	2001
Dolfsma, W.	The mountain of experience: how people learn in a complex, evolving environment	International Journal of Social Economics, forthcoming 2001 (Bradford: MCB University Press)	2001
Hoffrén, J.; Luukkanen, J.; Kaivo-oja, J.	Decomposition Analyses of Material Flows: The Case of Finland 1960-1996	Journal of Industrial Ecology. Vol. 4, No. 4, pp. 105-125	2001
Hoffrén, J.; Luukkanen, J.; Kaivo-oja, J.	Statistical Decomposition Modelling on the Basis of Material Flow Accounting.	Pre-proceedings. Volume 1. Hersonissos, Crete 18-22 June 2001. NITTS & ETK 2001. New Techniques and Technologies for Statistics. Exchange of Technology and Knowhow. Eurostat. European Union. Institute for Systems, Informatics and Safety. JRC In Association with NSIG ITY department in Crete. ABS. ISI, pp. 515-524.	June 2001
Hoffrén, J.; Luukkanen, J.; Malaska, P.	Sustainability Evaluation Frameworks and Alternative Analytical Scenarios of National Economies	Population and Environment Vol. 21, No. 1.	2001
Jischa, M.	Operationalisierung von Nachhaltigkeit durch Technikbewertung;	S. Hartard, C. Stahmer (Hrsg.): Magische Dreiecke - Berichte für eine nachhaltige Gesellschaft; Band 2/Bewertung von Nachhaltigkeitsstrategien, Metropolis, Marburg, S. 175-195	2001
Jischa, M.	Operationalisierung von Zukunftsfähigkeit durch Technikbewertung;	R. Coenen (Hrsg.): Integrative Forschung zum globalen Wandel, Campus, Frankfurt/Main, S. 205-227	2001
Kaivo-oja, J.	Challenges of Visionary Management in Multilevel Planning Environment: How Murphy's Laws May Emerge in Global Sustainability Policy?	Tony Stevenson, Eleonora Barbieri Masini, Anita Rubin & Martin Lehmann-Chadha (Eds.) The Quest for the Futures: A Methodology Seminar in Futures Studies. Selection from the Methodology Seminar in Futures Studies, Turku, Finland, June 12- 15, 2000. Finland Futures Research Centre. World Futures Studies Federation. Painsalama Oy, Turku, pp. 71-93.	2001
Kaivo-oja, J.	Scenario learning and potential sustainable development processes in spatial contexts: towards risk society or ecological modernization scenarios?	Futures Research Quarterly. Vol. 17. No. 2. Summer 2001, pp. 33-55. ©World Future Society.	2001
Kaivo-oja, J.; Haukioja, T.	Externalities and the Development of the Information Society and Technology: Searching for New Emerging Internalising Potentials.	Lorenz M. Hilty & Paul W. Gilgen (eds.) Sustainability in the Information Society Environmental Informatics 2001, Zürich 2001. Part 2: Methods/Workshop Papers. Metropolis Verlag für Ökonomie, Gesellschaft und Politik GmbH. Metropolis-Verlag, Marburg, Germany, pp. 839-846.	2001
Kaivo-oja, J.; Luukanen, J.; Malaska, P.	Advanced sustainability analysis	M.K. Tolba (Ed.) Our fragile world. Challenges and opportunities for sustainable development. Encyclopedia of Life Support Systems and Sustainable Development. Vol 2. Oxford: EOLSS Publishers Co. Ltd.	2001

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Luukkanen, J.; Kaivo-oja, J.	An analysis of the long-run socio-cultural changes in the energy sector of the wealthiest industrialised countries: Comparison and analysis of G-7 countries energy and CO <sub>2</sub> efficiency dynamics in the years 1960-1997	Proceedings of the Science and Culture of Industrial Ecology. Abstracts for the Inaugural Meeting. International Society for Industrial Ecology, 12-14 November 2001, Leiden, the Netherlands, pp. 84-85.	Nov 2001
Malaska, P.	Science and Technology for Sustainable Development	Tenner, Armin (ed.) (2001) Science, Engineering and Global Responsibility. Plenary lectures of the International Conference 'Challenges for Science and Engineering in the 21st Century', Stockholm, 14-18 June 2000. International Network of Engineers and Scientists for Global Responsibility. pp. 21-34.	2001
Seppälä, T.; Haukioja, T.; Kaivo-oja, J.	The EKC Hypothesis does not hold for direct material flows. An environmental Kuznets curve hypothesis tests for direct material flows in 5 industrial countries.	Population and Environment. A Journal of Interdisciplinary Studies. Vol. 23, No. 2, pp. 217-238. © Kluwer Academic Publishers.	2001
Soete, L.; Ter Weel, B.	Computers and employment: the truth about e-skills	European economic growth: the impact of new technologies, European Investment Bank Cahier Vol.6 No.1 2001	2001
Soete, L.; Weehuizen, R.	New Economy, new Theory?	WTS May 2001, 49-53.	May 2001
Tulbure, I.	An Approach to Define Sustainable Development Indicators	M. Matthies, H. Malchow, J. Kriz (Hrsg.): Integrative Systems Approaches to Natural and Social Dynamics, Springer-Verlag, S. 469-479	2001
Tulbure, I.	Considerations regarding evaluation methods in Technology Assessment	Institut für Technikfolgenabschätzung und Systemanalyse und VDI/VDE-Technologiezentrum Informationstechnik (Eds.): Innovations for an e-Society. Challenges for Technology Assessment. Congress Pre-prints. Berlin. October 17-19, 2001	Oct 2001
Tulbure, I.; Herget, M.	Measuring Sustainable Development: The Use of Fuzzy Logic	Hilty, L., M., Gilgen, P., W. (Eds.): Sustainability in the Information Society. 15 <sup>th</sup> International Symposium Informatics for Environmental Protection, Zürich 2001. Metropolis, Marburg, S.: 571-576.	2001
Weehuizen, R.	E-branding, the medium needs a message	WTS May 2001, 55-56	May 2001