

Curriculum Vitae

<i>address</i>	1
<i>personal</i>	1
<i>education</i>	1
<i>employment</i>	1
<i>teaching positions</i>	2
<i>management positions</i>	2
<i>current memberships and professional activities</i>	2
<i>past professional record (selection)</i>	3
<i>books and edited volumes (selection)</i>	3
<i>recent contributions to journals (selection)</i>	4
<i>recent contributions to books (selection)</i>	6
<i>recent presentations at international conferences (selection)</i>	9

address

Marina Fischer-Kowalski, Univ.Prof. Dr.
Institute of Social Ecology (SEC Vienna)
Alpen Adria Universitaet
Schottenfeldgasse 29
A-1070 Vienna, Austria
<http://www.uni-klu.ac.at/socec>
phone +43-1-5224000-416
fax +43-1-5224000-477
marina.fischer-kowalski@aau.at
marina.fischer-kowalski@univie.ac.at

personal

born in Vienna 1946
nationality: Austrian
married, two children

education

1985 habilitation for sociology at Graz University (assessment: J. Habermas, A. Pelinka)
1970-72 postgraduate social science studies at Institute for Advanced Studies, Vienna
1971 graduation in sociology, psychology and history of art (PhD, University of Vienna)

employment

2003 - cont. full professor of Social Ecology at Alpen Adria Universitaet and director of the Institute of Social Ecology at the Faculty for Interdisciplinary Studies (IFF) in Vienna
1986-03 assistant professor and head of department of social ecology at the Institute for Interdisciplinary Studies of Austrian Universities (IFF); lecturer for sociology at Vienna University
1985-86 research cooperation with F. Kreissler (Sorbonne) on unemployment and quality of life (comparison France - Austria)
1982-84 Austrian delegate to and consultant of OECD Paris, program social indicators
1971-82 assistant professor for sociology at the Institute for Advanced Studies, Vienna

1969-71 research assistant at the Institute for Sociology, University of Vienna

teaching positions

2003 visiting professor at the University Federal de Rio de Janeiro, Brasil
 2002 visiting professor at the Faculty for Forestry and the Environment, Yale University, USA
 1997 visiting professor at Roskilde University, Denmark
 1996 visiting fellow at Griffith University, Australia
 1992 - cont. lecturer for social ecology and environmental sociology at the University of Vienna
 1992 guest lecturer at the Institute for Global Governance, London School of Economics
 1990-96 organizer of university training for environmental counseling
 1987-91 lecturer for gender relations at the Universities of Klagenfurt, Vienna and Innsbruck
 1986 - cont. graduate and postgraduate courses on society and environment at the IFF
 1971-82 lecturer in postgraduate education at the Institute for Advanced Studies, Vienna (focus: educational sociology, social inequality, social change, social indicators)
 1970-78 lecturer at the academy of social work, Vienna, for sociology and social psychology

management positions

2004 – cont. member of the Academic Senate of the Alpen Adria Universitaet
 2004 - cont. director of the Institute of Social Ecology (SEC Vienna) at the Faculty for Interdisciplinary Studies (IFF) of the Alpen Adria Universitaet
 2003-10 chair of scientific advisory board of the *Potsdam Institute on Climate Impact Research (PIK)*
 2000-03 director of the Institute for Interdisciplinary Studies of Austrian Universities (IFF), Vienna node
 1994-00 chair of Greenpeace Austria and member of governing board of Greenpeace International
 1990-94 director of the Institute for Interdisciplinary Studies of Austrian Universities (IFF)
 1987-90 vice director of the Institute for Interdisciplinary Studies of Austrian Universities (IFF)
 1979-82 head of department of sociology at the Institute for Advanced Studies (IHS)

current memberships and professional activities

- section editor for "ecology and environment" of the *Encyclopedia of the Social and Behavioral Sciences* (Elsevier)
- member of the senate of the *Alpen Adria Universitaet*
- vice president of the *ESEE (European Society of Ecological Economics)*
- member of the Austrian Academy of Sciences board to oversee the *International Institute for Applied Systems Analysis (IIASA)*
- member of the Austrian National Committee of *UNESCO's Man and Biosphere Program (MAB)* at the Austrian Academy of Sciences
- member of the Jury of the Deutsche Bundesstiftung Umwelt (DBU)
- panel member of the ERC Starting Grant "environment and society" (2007 onwards)
- founding member and president (2007-2009) of the *International Society for Industrial Ecology (ISIE)*
- member of the "International Resources Panel" of UNEP (2007 onwards), lead author
- advisory board member of *SYKE (Finnish Environment Institute)*
- member of scientific board of *ARTEC research center for sustainability*, University of Bremen
- member of scientific advisory board of the Center for Environmental Systems Research (CESR) at Kassel University
- member of the expert committee for the *World Resources Forum* (Davos)
- member of the editorial board of the *International Journal of Industrial Ecology*
- member of the editorial board of *GAIA - Ecological Perspectives in Science, Humanities, and Economics*

- advisory board member of the journal *Conservation and Society*
- member of the board of *Environmental Innovation and Societal Transitions* (Elsevier)
- member of the editorial board of „Jahrbuch für Ökologie“
- member of scientific advisory board of “*Management of Protected Areas*”, a Master of Science Program at the Alpen Adria Universtaet
- member of the *International Society for Ecological Economics*
- member of the *International Society for Sociology* (ISA), the Research Committee for Environmental Sociology (RC 24), the European and the Austrian Society for Sociology
- member of the *Austrian Statistical Society*
- delegate for Klagenfurt University at the Austrian National Science Fund (FWF)
- reviewer for Ecological Economics, International Journal of Industrial Ecology, EPSRC, Journal of Cleaner Production, GAIA, Environmental Modelling and Software, Journal of Environmental Management, Volkswagen Stiftung (Schumpeter fellowships),

past professional record (selection)

- advisory board member at the *ISIE MFA-Conaccount meeting*, Tokyo, Nov. 2010
- member of the international advisory board of the *9th International Conference on EcoBalance*, Tokyo, Nov. 2010
- member of the NSF-panel on Sociological Perspectives on Global Climate Change (US National Academy of Sciences) (2007)
- member of the evaluation committee of Chalmers University’s environmental initiative (2005)
- president to the Gordon Research Conference on Industrial Ecology 2004, and vice president to the Gordon Research Conference on Industrial Ecology 2002
- referee for the „Swiss National Science Foundation (SNSF) -Sustainable Development and Environment“ in 2004
- chair of board of the scientific program „Sozialökologische Forschung“ of the German Federal Ministry of Science 1999 - 2003
- member of scientific steering committee of the „International Human Dimensions Program - Industrial Transformation“ (IHDP – IT), 1998-2006
- founder and long time editor of the journal “Österreichische Zeitschrift für Soziologie”
- member of editorial board of the journal „Population and Environment”
- member of the Steering Committee for the research program *cultural landscapes* of the Austrian Ministry of Science
- member of „Zukunftskommission“ of the Friedrich-Ebert Foundation, Bonn
- member of the committee for Austria’s state award for “ecosystems science“
- member of the committee for Austria’s state award for Ecodesign
- member of the scientific committee for „Sustainable Consumption” of the Austrian ministry of Environment
- member of advisory board of the department for „Arbeit und Ökologie“ at Hans Böckler Stiftung, Düsseldorf.
- member of the Working Group for the Assessment of Sustainability Indicators, a project of the „Scientific Committee on Problems of the Environment” (SCOPE)
- member of board of Research Committee Environment and Society (ISA – RC 24) of the International Sociological Association

books, edited volumes and monographies (selection)

Fischer-Kowalski, Marina, Swilling, Mark et al. (2011): *Decoupling natural resource use and environmental impacts from economic growth*. UNEP International Resource Panel (editor), Paris

- Fischer-Kowalski, Marina and Haberl, Helmut (2007): *Socioecological transitions and global change: Trajectories of Social Metabolism and Land Use*. Cheltenham, UK, Northampton, USA: Edward Elgar
- Fischer-Kowalski, Marina, Rosa, Eugene A., Sieferle, Rolf P. and Smetschka, Barbara (eds.) (2001): *Nature, Society and History. Long Term Dynamics of Social Metabolism. Special Issue of Innovation - The European Journal of Social Sciences. Vol. 14, Issue 2*. Vienna: ICCR
- Fischer-Kowalski, Marina and Amann, Christof (eds.) (2001): *Societal Metabolism and Human Population. Special Issue of Population and Environment. A Journal of Interdisciplinary Studies. Vol.23, Issue 1*. Norwell, MA: Kluwer
- Matthews, Emily, Amann, Christof, Fischer-Kowalski, Marina, Bringezu, Stefan, Hüttler, Walter, Kleijn, René, Moriguchi, Yuichi, Ottke, Christian, Rodenburg, Eric, Rogich, Don, Schandl, Heinz, Schütz, Helmut, van der Voet, Ester, and Weisz, Helga (2000): *The Weight of Nations: Material Outflows from Industrial Economies*. Washington, D.C.: World Resources Institute
- Fischer-Kowalski, Marina, Haberl, Helmut, Hüttler, Walter, Payer, Harald, Schandl, Heinz, Winiwarter, Verena, and Zangerl-Weisz, Helga (1997): *Gesellschaftlicher Stoffwechsel und Kolonisierung von Natur. Ein Versuch in Sozialer Ökologie*. Amsterdam: Gordon & Breach Fakultas
- Fischer-Kowalski, Marina, Preuß-Lausitz, Ulf, Büchner, Peter, Geulen, Dieter, Karsten, Maria-Eleonora, Kulke, Christine, Rabe-Kleberg, Ursula, Thunemeyer, Bernd, Schütze, Yvonne, Seidl, Peter, Zeiher, Helga, Zimmermann, Peter, and Rolff, Hans-Günter (1995): *Kriegskinder, Konsumkinder, Krisenkinder*. Weinheim, Basel: Beltz
- Fischer-Kowalski, Marina, Pelikan, Jürgen M., and Schandl, Heinz (1995): Große Freiheit für kleine Monster? Kinder an Alternativschulen und Regelschulen. Ein Vergleich. Wien: Verlag für Gesellschaftskritik
- Fischer-Kowalski, Marina (1993): Current Trends in European Sociology. II: Environmental Sociology. Special Issue of Innovation in Social Science Research 6(4)
- Fischer-Kowalski, Marina, Fitzka-Puchberger, Roswitha, and Mende, J.(eds.) (1991): *Kindergruppenkinder. Selbstorganisierte Alternativen zum Kindergarten*. Wien: Verlag für Gesellschaftskritik
- Fischer-Kowalski, Marina (ed) (1988): *Ökobilanz Österreich. Zustand, Entwicklungen, Strategien*. Wien u.Köln (Falter Verlag & Kiepenheuer und Witsch)
- Fischer-Kowalski, Marina and Seidl, P. (1986): *Von den Tugenden der Weiblichkeit. Mädchen und Frauen im österreichischen Bildungssystem*. Wien: Verlag für Gesellschaftskritik
- Fischer-Kowalski, Marina and Bucek, Josef (eds.) (1980): *Ungleichheit in Österreich. Ein Sozialbericht*. Wien, München: Jugend & Volk
- Fischer-Kowalski, Marina and Bucek, Josef (eds.) (1980): *Lebensverhältnisse in Österreich. Klassen und Schichten im Sozialstaat*. Frankfurt a.M.: Campus

recent contributions to peer-reviewed journals (selection)

- Turner II, B. L. and M. Fischer-Kowalski. 2010. Ester Boserup: An interdisciplinary visionary relevant for sustainability. Proceedings of the National Academy of Sciences of the United States of America (PNAS). (55)
- Fischer-Kowalski, M. 2010. Energy in Nature and Society. General Energetics of Complex Systems, by Vaclav Smil. Cambridge, MA: MIT Press, 2008, ISBN 978-0-262-69356-1 2008, 512 pp., \$34.00/£25.95 (Paper). *Journal of Industrial Ecology*. 14(6): 980-981.
- Krausmann, F., S. Gingrich, N. Eisenmenger, K.-H. Erb, H. Haberl, M. Fischer-Kowalski. 2009. Growth in global materials use, GDP and population during the 20th century. *Ecological Economics*. 68(10): 2696-2705.
- Erb, Karl-Heinz, Krausmann, Fridolin, Gaube, Veronika, Gingrich, Simone, Bondeau, Alberte, Fischer-Kowalski, Marina, and Haberl, Helmut (2009): Analyzing the global human appropriation of net primary production – processes, trajectories, implications. An introduction. In: *Ecological Economics* vol.69(2), pp 250-258
- Fischer-Kowalski, Marina and Sieferle, Rolf P. (2009): 12 Fragen an... Marina Fischer-Kowalski. In: *GAIA* 18(3), pp. 190-191.
- Fischer-Kowalski, Marina and Rotmans, Jan (2009): Conceptualizing, Observing and Influencing Social-Ecological Transitions. In: *Ecology and Society* 14(2)3. [online] <http://www.ecologyandsociety.org/vol4/iss2/art3>.

- Fischer-Kowalski, Marina (2009): Den Zusammenbruch von Zivilisationen konzeptualisieren? Plädoyer für eine sozialökologische Gesellschaftstheorie. In: GAIA 18(1), pp. 13-14.
- Fischer-Kowalski, Marina, Singh, Simron J., Ringhofer, Lisa, Grünbühel, Clemens M., Lauk, Christian, and Remesch, Alexander (2009): Socio-metabolic transitions in indigenous communities and the crucial role of working time. A comparison of case studies. In: Human Ecology submitted
- Haberl, Helmut, Fischer-Kowalski, Marina, Krausmann, Fridolin, Martinez-Alier, Joan, and Winiwarter, Verena (2009): A sociometabolic transition towards sustainability? Challenges for another Great Transformation. In: Sustainable Development doi 10.1002/sd.410 (online)
- Krausmann, Fridolin, Gingrich, Simone, Eisenmenger, Nina, Erb, Karl-Heinz, Haberl, Helmut, and Fischer-Kowalski, Marina (2009): Growth in global materials use, GDP and population during the 20th century. In: Ecological Economics 68 (10), pp. 2696-2705.
- Fischer-Kowalski, Marina (2008): Book Review: Energy in Nature and Society: General Energetics of Complex Systems. Vaclav Smil, MIT Press, Cambridge. In: Regional Environmental Change 8(4), pp. 57-58.
- Haberl, Helmut, Weisz, Helga, Amann, Christof, Bondeau, Alberte, Eisenmenger, Nina, Erb, Karl-Heinz, Fischer-Kowalski, Marina, and Krausmann, Fridolin (2008): The Energetic Metabolism of the European Union and the United States: Decadal Energy Input Time-Series with an Emphasis on Biomass. In: Journal of Industrial Ecology 10(4), pp. 151-171.
- Krausmann, Fridolin, Fischer-Kowalski, Marina, Schandl, Heinz, and Eisenmenger, Nina (2008): The global socio-metabolic transition: past and present metabolic profiles and their future trajectories. In: Journal of Industrial Ecology 12(5/6), pp. 637-656.
- Schandl, Heinz, Fischer-Kowalski, Marina, Grünbühel, Clemens M., and Krausmann, Fridolin (2008): Socio-metabolic transitions in developing Asia. In: Technological Forecasting and Social Change 76(2), pp. 267-281. [online], <http://dx.doi.org/10.1016/j.techfore.2007.12.004>
- Haberl, Helmut, Erb, Karl-Heinz, Krausmann, Fridolin, Gaube, Veronika, Bondeau, Alberte, Plutzer, Christof, Gingrich, Simone, Lucht, Wolfgang, and Fischer-Kowalski, Marina (2007): Quantifying and mapping the human appropriation of net primary production in earth's terrestrial ecosystems. In: Proceedings of the National Academy of Sciences of the United States of America 104, pp. 12942-12947.
- Fischer-Kowalski, Marina, Gaube, Veronika, and Rainer, Gerhard (2006): MEFASPACE: A Model Predicting Freight Transport from Material Flows, and Transport Activity in Europe. In: Journal of Industrial Ecology 10(4), pp. 15-35.
- Fischer-Kowalski, Marina and Erb, Karl-Heinz (2006): Epistemologische und konzeptuelle Grundlagen der Sozialen Ökologie. In: Mitteilungen der Österreichischen Geographischen Gesellschaft 148, pp. 33-56.
- Haberl, Helmut, Weisz, Helga, Amann, Christof, Bondeau, Alberte, Eisenmenger, Nina, Erb, Karl-Heinz, Fischer-Kowalski, Marina, and Krausmann, Fridolin (2006): The energetic metabolism of the EU-15 and the USA. Decadal energy input time-series with an emphasis on biomass. In: Journal of Industrial Ecology 10(4), pp. 151-171.
- Haberl, Helmut, Winiwarter, Verena, Andersson, Krister, Ayres, Robert U., Boone, Christopher G., Castillio, Alicia, Cunfer, Geoff, Fischer-Kowalski, Marina, Freudenburg, William R., Furman, Eeva, Kaufmann, Rüdiger, Krausmann, Fridolin, Langthaler, Ernst, Lotze-Campen, Hermann, Mirtl, Michael, Redman, Charles A., Reenberg, Anette, Wardell, Andrew D., Warr, Benjamin, and Zechmeister, Harald (2006): From LTER to LTSER: Conceptualizing the socio-economic dimension of long-term socio-ecological research. In: Ecology and Society 11(2), pp. 13 [online], <http://www.ecologyandsociety.org/vol11/iss2/art13/>
- Weisz, Helga, Krausmann, Fridolin, Amann, Christof, Eisenmenger, Nina, Erb, Karl-Heinz, Hubacek, Klaus, and Fischer-Kowalski, Marina (2006): The physical economy of the European Union: Cross-country comparison and determinants of material consumption. In: Ecological Economics 58(4), pp. 676-698.
- Fischer-Kowalski, Marina and Krausmann, Fridolin (2005): A socio-ecological view on industrialization in Europe since the 19th Century. In: IHDP Update Newsletter of the International Human Dimensions Programme on Global Environmental Change 2005(02), pp. 6-8.
- Fischer-Kowalski, Marina, Krausmann, Fridolin, and Smetschka, Barbara (2004): Modelling scenarios of transport across history from a socio-metabolic perspective. In: Review. A Journal of the Fernand Braudel Center for the Study of Economic, Historical Systems, and Civilizations 4/2004, pp. 307-342.

- Haberl, Helmut, Fischer-Kowalski, Marina, Krausmann, Fridolin, Weisz, Helga, and Winiwarter, Verena (2004): Progress Towards Sustainability? What the conceptual framework of material and energy flow accounting (MEFA) can offer. In: *Land Use Policy* 21(3), pp. 199-213.
- Fischer-Kowalski, Marina (2003): Gesellschaftlicher Metabolismus, Territorium und Nachhaltigkeit. In: *GAIA* 12(1), pp. 1-2.
- Fischer-Kowalski, Marina and Amann, Christof (2001): Beyond IPAT and Kuznets Curves: Globalization as a Vital Factor in Analysing the Environmental Impact of Socio-Economic Metabolism. In: *Population and Environment* 23(1), pp. 7-47.
- Weisz, Helga, Fischer-Kowalski, Marina, Grünbühel, Clemens M., Haberl, Helmut, Krausmann, Fridolin, and Winiwarter, Verena (2001): Global Environmental Change and Historical Transitions. In: *Innovation - The European Journal of Social Sciences* 14(2), pp. 117-142.
- Fischer-Kowalski, Marina and Hüttler, Walter (1999): Society's Metabolism. The Intellectual History of Material Flow Analysis, Part II: 1970-1998. In: *Journal of Industrial Ecology* 2(4), pp. 107-137.
- Fischer-Kowalski, Marina and Weisz, Helga (1999): Society as Hybrid Between Material and Symbolic Realms. Toward a Theoretical Framework of Society-Nature Interrelation. In: *Advances in Human Ecology* 8, pp. 215-251.
- Fischer-Kowalski, Marina and Haberl, Helmut (1998): Sustainable Development: Socio-Economic Metabolism and Colonization of Nature. In: *International Social Science Journal* 158(4), pp. 573-587.
- Fischer-Kowalski, Marina (1998): Society's Metabolism. The Intellectual History of Material Flow Analysis, Part I, 1860 - 1970. In: *Journal of Industrial Ecology* 2(1), pp. 61-78.
- Fischer-Kowalski, Marina and Haberl, Helmut (1997): Tons, Joules and Money: Modes of Production and their Sustainability Problems. In: *Society and Natural Resources* 10(1), pp. 61-85.

recent contributions to books (selection)

- Krausmann, F. and M. Fischer-Kowalski. 2010. Gesellschaftliche Naturverhältnisse: Globale Transformationen der Energie- und Materialflüsse. In *Globalgeschichte 1800-2010*, edited by R. Sieder and E. Langthaler. Wien: Böhlau, pp. 38-66.
- Krausmann, Fridolin, Fischer-Kowalski, Marina, and Schandl, Heinz (2009): Out of the frying pan into the fire: Industrialization as a socio-ecological transition process. In: McNeill, John R. et al. (Eds.): *Environmental History and Ecological Economics*. Delhi: Oxford University Press, pp. 26-48
- Singh, Simron J., Fischer-Kowalski, Marina, and Haas, Willi (2009): Humanitarian aid and ecological consequences. Re-examining Disaster, Recovery and Reconstruction: Social Science Perspective on the Tsunami. In: Reddy, Sunita and Naraindas, Harish (Eds.): *Re-examining Disaster, Recovery and Reconstruction: Social Science Perspectives on the Tsunami*. Delhi: Oxford University Press (in press).
- Fischer-Kowalski, Marina and Schaffartzik, Anke (2008): Arbeit, gesellschaftlicher Stoffwechsel und nachhaltige Entwicklung. In: Füllsack, Manfred (Ed.): *Verwerfungen moderner Arbeit. Zum Formwandel des Produktiven*. Bielefeld: transcript, pp. 65-82.
- Fischer-Kowalski, Marina and Weisz, Helga (2008): Das industrielle sozialökologische Regime und globale Transitionen. In: Gleich, Arnim v. and Gößling-Reisemann, Stefan (Eds.): *Industrial Ecology: Erfolgreiche Wege zu nachhaltigen industriellen Systemen*. Wiesbaden: Vieweg+Teubner Verlag, pp. 181-201.
- Fischer-Kowalski, Marina, Erb, Karl-Heinz, and Singh, Simron J. (2008): Extending BRIM to BRIA: Social monitoring and integrated sustainability assessment. In: Chmielewski, Tadeusz (Ed.): *Nature conservation management: From idea to practical results*. Lublin: PWZN "Print 6", pp. 208-219.
- Marina Fischer-Kowalski. Wie kann Wissenschaft gesellschaftliche Veränderung bewirken? Eine Hommage an Alvin Gouldner, und ein Versuch, mit seinen Mitteln heutige Klimapolitik zu verstehen. *Social Ecology Working Paper*. Anonymous. Anonymous. Vienna: IFF Social Ecology. (102), 2008. ISSN 1726-3808. HW Nr. 931. 04-23-2008. 2008.08. iff-nl08-1, nl18.
- Fischer-Kowalski, Marina and Schaffartzik, Anke (2008): Ökologisierung der Arbeit? Arbeit, gesellschaftlicher Stoffwechsel und nachhaltige Entwicklung. In: Washietl, Engelbert and Pfisterer, Eva (Eds.): *Arbeit - der Mensch zwischen Fremd- und Selbstbestimmung*. Wien: LIT Verlag, Schriftenreihe der Waldviertelakademie, pp. 131-145.
- Fischer-Kowalski, Marina (2008): Sozialmetabolische Regimes und industrielle Transformationen. In: Bundesministerium für Umwelt, Naturschutz u. R. (Ed.): *Die dritte industrielle Revolution -*

Aufbruch in ein ökologisches Jahrhundert. BM für Umwelt, Naturschutz und Reaktorsicherheit, pp. 53-55.

Fischer-Kowalski, Marina and Mayer, Andreas (2008): Umwelt und Ökologie. In: Forster, Rudolf (Ed.): Forschungs- und Anwendungsbereiche der Soziologie. Wien: Facultas Verlag, pp. 266-281.

- Weisz, Helga, Krausmann, Fridolin, Amann, Christof, Eisenmenger, Nina, Erb, Karl-Heinz, Hubacek, Klaus, and Fischer-Kowalski, Marina (2008): The physical economy of the European Union: cross-country comparison and determinants of material consumption, *Ecological Economics* 58, 676-98. In: Martinez-Alier, Joan and Roepke, Inge (Eds.): *Recent Developments in Ecological Economics, Volume I*. Cheltenham, UK and Northampton, MA, USA: Edward ElgarBd. 58, pp. 300-322.
- Eisenmenger, Nina, Fischer-Kowalski, Marina, and Weisz, Helga (2007): Indicators of Natural Resource Use and Consumption. In: Hak, Tomas et al. (Eds.): *Sustainability Indicators. A Scientific Assessment*. Washington, D.C.: SCOPE, Island Press, pp. 193-209.
- Fischer-Kowalski, Marina, Haberl, Helmut, and Krausmann, Fridolin (2007): Conclusions: Likely and unlikely pasts, possible and impossible futures. In: Fischer-Kowalski, Marina and Haberl, Helmut (Eds.): *Socioecological transitions and global change: Trajectories of Social Metabolism and Land Use*. Cheltenham, UK, Northampton, USA: Edward ElgarBd. 8, pp. 223-256.
- Fischer-Kowalski, Marina (2007): Multidisziplinäre Wurzeln der Industrial Ecology. In: Isenmann, Ralf and Hauff, Michael v. (Eds.): *Industrial Ecology. Mit Ökologie zukunftsorientiert wirtschaften*. München: Elsevier, pp. 89-100.
- Fischer-Kowalski, Marina and Haberl, Helmut (2007): Conceptualizing, observing and comparing socioecological transitions. In: Fischer-Kowalski, Marina and Haberl, Helmut (Eds.): *Socioecological transitions and global change: Trajectories of Social Metabolism and Land Use*. Cheltenham, UK, Northampton, USA: Edward ElgarBd. 1, pp. 1-30.
- Grünbühel, Clemens M., Singh, Simron J., and Fischer-Kowalski, Marina (2007): The local base of transitions in developing countries. In: Fischer-Kowalski, Marina and Haberl, Helmut (Eds.): *Socioecological transitions and global change: Trajectories of Social Metabolism and Land Use*. Cheltenham, UK, Northampton, USA: Edward ElgarBd. 6, pp. 139-178.
- Haberl, Helmut, Erb, Karl-Heinz, Plutzer, Christof, Fischer-Kowalski, Marina, and Krausmann, Fridolin (2007): Human appropriation of net primary production (HANPP) as indicator for pressures on biodiversity. In: Hak, Tomas et al. (Eds.): *Sustainability Indicators. A Scientific Assessment*. Washington, D.C., Covelo, London: SCOPE, Island Press, pp. 271-288.
- Haberl, Helmut, Fischer-Kowalski, Marina, Krausmann, Fridolin, Weisz, Helga, and Winiwarter, Verena (2006): Progress Towards Sustainability? What the conceptual framework of material and energy flow accounting (MEFA) can offer. Reprinted from: *Land Use Policy* 21(3), pp. 199-213. In: Pretty, Jules (Ed.): *Sage Environment Major Work. Volume II: Managing the environment*. Essex: SAGEBd. B15
- Fischer-Kowalski, Marina and Reiter, Karl (2005): Biosphere Reserve Integrated Monitoring (BRIM). In: Lange, Sigrun (Ed.): *Inspired by Diversity. UNESCO's Biosphere Reserves as Model Regions for Sustainable Interaction between Man and Nature*. Vienna: Austrian Academy of Sciences Press, pp. 15-18.
- Fischer-Kowalski, Marina and Weisz, Helga (2005): Society as Hybrid Between Material and Symbolic Realms. Toward a Theoretical Framework of Society-Nature Interrelation. In: Redclift, Michael and Woodgate, Graham (eds.) (Eds.): *New developments in environmental sociology*. Cheltenham and Northampton: Edward Elgar, pp. 113-149.
- Fischer-Kowalski, Marina (2004): Gesellschaftliche Kolonisierung natürlicher Systeme. Arbeiten an einem Theorieversuch. In: Serbser, Wolfgang (Ed.): *Humanökologie: Ursprünge - Trends - Zukünfte*. München: ökom, Edition Humanökologie: Band 1 , pp. 308-325.
- Fischer-Kowalski, Marina (2003): On the History of Industrial Metabolism. In: Bourg, Dominique and Erkman, Suren (Eds.): *Perspectives on Industrial Ecology*. Sheffield: Greenleaf PublishingBd. 2, pp. 35-45.
- Fischer-Kowalski, Marina (2003): Modes of Colonizing Nature. In: Benzing, Brigitta and Herrmann, Bernd (Eds.): *Exploitation and Overexploitation in Societies Past and Present. IUAES-Intercongress 2001 Goettingen*. Münster: LIT Publishing House, pp. 21-40.
- Fischer-Kowalski, Marina and Erb, Karl-Heinz (2003): Gesellschaftlicher Stoffwechsel im Raum. Auf der Suche nach einem sozialwissenschaftlichen Zugang zur biophysischen Realität. In: Meusbürger, Peter and Schwan, Thomas (Eds.): *Humanökologie. Ansätze zur Überwindung der Natur-Kultur-Dichotomie*. Stuttgart: Steiner Verlag, *Erdkundliches Wissen* , pp. 257-285.
- Fischer-Kowalski, Marina (2003): Ecology, Social. In: Krech III, Shepard et al. (Eds.): *Encyclopedia of World Environmental History*. London-New York: Routledge
- Amann, Christof and Fischer-Kowalski, Marina (2002): Austria: An "Eco-Land"? In: Weidner, Helmut et al. (Eds.): *Capacity Building in National Environmental Policy. A Comparative Study of 17 Countries*. Berlin-Heidelberg-New York: Springer, pp. 45-68.

- Fischer-Kowalski, Marina (2002): Exploring the history of industrial metabolism. In: Ayres, Robert U. and Ayres, Leslie W. (Eds.): Handbook of Industrial Ecology. Cheltenham, UK and Lyme, US: Edward ElgarBd. 2, pp. 16-26.
- Fischer-Kowalski, Marina (2002): Gesellschaft, Natur und Freiheit. Ein Kommentar aus soziologischer Perspektive. In: Winiwarter, Verena and Wilfing, Harald (Eds.): Historische Humanökologie. Interdisziplinäre Zugänge zu Menschen und ihrer Umwelt. Wien: Facultas, pp. 237-245.
- Fischer-Kowalski, Marina (2002): Herrschaft über die Natur - Befreiung von der Natur? Arbeiten an einem Theoriversuch. In: Brüchert, Oliver and Resch, Christine (Eds.): Zwischen Herrschaft und Befreiung. Politische, kulturelle und wissenschaftliche Strategien. Festschrift zum 60. Geburtstag von Heinz Steinert. Münster: Westfälisches Dampfboot, pp. 123-134.
- Fischer-Kowalski, Marina (2002): Das magische Dreieck von Nachhaltigkeit: Lebensqualität, Wohlstand und ökologische Verträglichkeit. In: Klotz, Arnold (Ed.): Stadt und Nachhaltigkeit. Wien-New York: Springer, pp. 25-41.
- Fischer-Kowalski, Marina (2001): Gesellschaftliche Aktivitäten am Interface zur Natur: Stoffwechsel und Kolonisierung. In: Mackensen, Rainer and Serbser, Wolfgang (Eds.): Akteure beim Bodenschutz. Präliminarien und Annäherungen an sozialwissenschaftliche Zugänge. Opladen: Leske & Budrich, pp. 122-126.
- Fischer-Kowalski, Marina (1998): Das magische Dreieck von Wirtschaft, Lebensqualität und Umweltbelastung: Kopplungen und Entkopplungen. In: Krainz, Ewald E. and Simsa, Ruth (Eds.): Die Zukunft kommt - wohin geht die Wirtschaft? Gesellschaftliche Herausforderungen für Management und Organisationsberatung. Wiesbaden: Gabler, pp. 56-73.
- Fischer-Kowalski, Marina and Sieferle, Rolf P. (1998): Der sozial-ökologische Wirkungszusammenhang. In: Haberl, Helmut et al. (Eds.): Technologische Zivilisation und Kolonisierung von Natur. Wien-New York: Springer, iff-Texte , pp. 45-58.
- Fischer-Kowalski, Marina and Weisz, Helga (1998): Gesellschaft als Verzahnung materieller und symbolischer Welten. In: Brand, Karl-Werner (Ed.): Soziologie und Natur. Theoretische Perspektiven. Opladen: Leske & Budrich, Soziologie und Ökologie , pp. 145-172.
- Fischer-Kowalski, Marina and Haberl, Helmut (1998): Sustainability Problems and Historical Transitions. A Description in Terms of Changes in Metabolism and Colonization Strategies. In: Hamm, Bernd and Muttagi, Pandurang K. (Eds.): Sustainable Development and the Future of Cities. New Delhi, Calcutta: Oxford & IBH Publishing Co.Pvt.Ltd., pp. 57-76.
- Fischer-Kowalski, Marina and Schandl, Heinz (1998): Sustainable Development als gegenwärtig letzte "große Erzählung". In: Preglau, Max and Richter, Rudolf (Eds.): Postmodernes Österreich?: Konturen des Wandels in Wirtschaft, Gesellschaft, Politik und Kultur. Wien: Signum-Verlag, Schriftenreihe des Zentrums für angewandte Politikforschung, pp. 87-106.

recent presentations at international conferences (selection)

- Fischer-Kowalski, M. 2010. Globalizing patterns of natural resource use in relation to human development. Presentation at the 18 th meeting of the UN Commission on Sustainable Development (UNCSD 18). UN Headquarter, New York, 3-14 May 2010.
- Fischer-Kowalski, M. 2010. Achieving a Low Carbon Society: a Challenge for Sociology. Keynote speech to the XVII ISA World Congress of Sociology "Sociology on the move". Gothenburg, Sweden, 11-17 July 2010.
- Fischer-Kowalski, M. 2010. The world economy's use of natural resources: history, dynamics, drivers and future perspectives. Presentation at "The challenge of sustainability: a workshop in preparation for Rio 20+". New York, 8-10 May 2010 .
- Fischer-Kowalski, Marina (2010) Zeitenwende 1970: Das Ende des Konsens und der Beginn einer »roten« Ära, 18.April 2010, Metro Kino Vienna, - Organized by Film Archiv Austria
- Krausmann, F., M. Fischer-Kowalski, S. Giljum, S. Lutter, A. Mayer. Progress in economy wide material flow accounting: How robust are international MFA data? Presentation at the Asia-Pacific Meeting and MFA-ConAccount Meeting of the International Society for Industrial Ecology, Tokyo, Japan, 7-9 November 2010.
- Fischer-Kowalski, Marina (2010) Keynote at Humboldt University Berlin :Vom gesellschaftlichen Stoffwechsel jenseits des American way of life, 18th June 2010
- Fischer-Kowalski, Marina and Krausmann, Fridolin (2009): Future Scenarios for Global Material Flows, In: World Resources Forum Davos, Davos / Nagoya Sept. 15-16 2009

- Fischer-Kowalski, Marina (2009): A Hundred Years of Resource Use of the World Economy, Trends, Drivers and Impacts. Keynote speech., In: World Resources Forum Davos, Davos / Nagoya Sept. 15-16 2009
- Singh, Simron J., Fischer-Kowalski, Marina, and Haas, Willi (2009): The Human Ecology of complex disasters: Nicobar Islands in the aftermath of the tsunami, In: Presentation at the International Conference on Human Ecology, Manchester, UK, 29 June - 3 July 2009
- Fischer-Kowalski, Marina, Xenidis, L., and Singh, Simron J. (2009): Transforming the Greek Island of Samothraki into a Man and Biosphere Reserve. A feasibility Study, In: Presentation at the International conference on Human Ecology, 29 June - 3 July 2009, Manchester, UK.
- Fischer-Kowalski, Marina, Xenidis, L., and Singh, Simron J. (2009): Transforming the Greek Island of Samothraki into a Man and Biosphere Reserve. A feasibility Study, In: Presentation at the 15th International symposium on Society and Resource Management, Vienna, Austria, 5-8 July 2009
- Fischer-Kowalski, Marina, Krausmann, Fridolin, Steinberger, Julia K., and Eisenmenger, Nina (2009): The metabolic scale of the world economy in the past century - dynamics, drivers, impacts, In: Presentation at the 5th International Conference on Industrial Ecology, "Transitions Toward Sustainability", Calouste Gulbenkian Foundation, Lisbon, Portugal, 21-24 June 2009
- Fischer-Kowalski, Marina, Hertwich, Edgar, and Lifset, Reid (2009): Strategies and tools for refashioning the social metabolism: IE as a key to the transition to sustainability, In: Presentation at the 5th International Conference on Industrial Ecology, "Transitions Toward Sustainability", Calouste Gulbenkian Foundation, Lisbon, Portugal, 21-24 June 2009
- Fischer-Kowalski, Marina (2009): Decoupling as a theme of the UNEP panel on Sustainable Resource Management, In: Presentation at the 5th International Conference on Industrial Ecology, "Transitions Toward Sustainability", Calouste Gulbenkian Foundation, Lisbon, Portugal, 21-24 June 2009
- Fischer-Kowalski, Marina (2009): Entwicklung von Wirtschaftswachstum und Ressourcenverbrauch, In: Ressourcenverbrauch und Wachstum, Wien, Lebensministerium, 26. Mai 2009
- Simron Singh, Simron J., Fischer-Kowalski, Marina, Haas, Willi, Adensam, Heidi and Wildenberg Martin (2008): Integrated Modelling and Decision Support for Post-tsunami Nicobar Islands. Paper presented at the DGH Symposium on Human/Nature Interactions in the Anthropocene, "Potentials of Social-Ecological Systems Analysis", Sommerhausen/Main, Germany, 29 - 31 May 2008
- Fischer-Kowalski, Marina (2009): Organizing Societal Efforts to Colonize Natural Systems. Modes and indicators, labour involved, and risks., In: Matter in Social Theory, Basel May 15-16, 2009.
- Haberl, Helmut, Erb, Karl-Heinz, Krausmann, Fridolin, Gaube, Veronika, Bondeau, Alberte, Plutzer, Christoph, Gingrich, Simone, Lucht, Wolfgang and Fischer-Kowalski, Marina Global human appropriation of net primary production in the year 2000: patterns and magnitude.(2008) Poster presentation at the 4th IGBP Congress "Sustainable Livelihoods on a Changing Earth System", Cape Town, South Africa, 5-9 May 2008
- Haberl, Helmut, Gaube, Veronika, Adensam, Heidi, Kaiser, Tina, Richter, Andreas, Wildenberg, Martin, and Fischer-Kowalski, Marina (2008): Combining agent-based and stock/flow modelling approaches in a participative local-level analysis of the integrated land system in Reichraming, Austria, In: 4th IGBP Congress "Sustainable Livelihoods in a Changing Earth System", Working Group A2 "Modelling in coupled human-environmental systems", 5.-9.5.2008, Cape Town, South Africa. (Oral Presentation).
- Fischer-Kowalski, Marina (2008): Energy and Material Metabolism of Social Systems, In: Seminar series of the School of Social Sciences, CSSP, New Delhi.
- Fischer-Kowalski, Marina (2008): Climate change, social metabolism and human life chances, In: Presentation to the National Science Fund, May 2008, Arlington, USA.
- Fischer-Kowalski, Marina (2008): Sozialmetabolische Übergänge und Entwicklungen am Ende des Fossilzeitalters, In: Vortrag beim Promotionskolleg des Wuppertal Instituts, "Ökologie und Fairness im Welthandelsregime", April 2008, Berlin.
- Fischer-Kowalski, Marina (2008): Socio-metabolic Transitions in human history and today, In: Presentation to the Third ALTER-net summerschool, Peyresq, Alpes de Hautes Provence, Sept.2008.
- Fischer-Kowalski, Marina and Weisz, Helga (2008): Transitions to a globally sustainable metabolism - possible and impossible futures, In: Keynote at the International Society of Ecological Economics Conference, "Applying Ecological Economics for Social and Environmental Sustainability", 7-11 August 2008, Nairobi, Kenya.

- Fischer-Kowalski, Marina, Krausmann, Fridolin, and Eisenmenger, Nina (2008): Resource Use in the World Economy 1960-2005. A preliminary assessment., In: International Seminar on Energy and Resource Productivity, Santa Barbara, UCSB, Nov. 2008.
- Fischer-Kowalski, Marina (2008): Naturrevolution im Kopf. Ein Beitrag Hundertwassers zum Umweltschutz, In: Vortrag beim Internationalen Symposium zu Werk und Wirken Hundertwassers, 11.-13. Dezember 2008, Naturhistorisches Museum, Wien.
- Fischer-Kowalski, Marina (2008): Industrial Ecology and global material flows, In: Presentation at the International Seminar on Energy and Resource Productivity, 17-18 November 2008, Santa Barbara, USA.
- Fischer-Kowalski, Marina (2008): Wie verhält sich wissenschaftliche Theorie zu gesellschaftlicher Veränderung? Eine Hommage an Alvin Gouldner., In: Tagung der Nachwuchsgruppe Umweltsoziologie der Deutschen Gesellschaft für Soziologie, Wien, Februar 2008.
- Haberl, Helmut, Erb, Karl-Heinz, Krausmann, Fridolin, Gaube, Veronika, Bondeau, Alberte, Plutzer, Christoph, Gingrich, Simone, Lucht, Wolfgang, and Fischer-Kowalski, Marina (2008): Global human appropriation of net primary production in the year 2000: patterns and magnitude, In: Poster presentation at the 4th IGBP Congress "Sustainable Livelihoods on a Changing Earth System", 5-9 May 2008, Cape Town, South Africa.
- Singh, Simron J., Fischer-Kowalski, Marina, Haas, Willi, Adensam, Heidi, and Wildenberg, Martin (2008): Integrated Modelling and Decision Support for Post-tsunami Nicobar Islands, In: Paper presented at the DGH Symposium on Human/Nature Interactions in the Anthropocene, "Potentials of Social-Ecological Systems Analysis", 29 - 31 May 2008, Sommerhausen/Main, Germany.
- Fischer-Kowalski, Marina (2007): Global environmental change and socioecological transitions. Presentation to CSIRO, Canberra, November 2007
- Fischer-Kowalski, Marina (2007): "Klimaschutz und Verteilungsgerechtigkeit", Vortrag am Bundeskongress der Grünen, Salzburg, 26. November 2007
- Fischer-Kowalski, Marina (2007): "Übergang zu einem nachhaltigen gesellschaftlichen Stoffwechsel", Symposium Bewußtsein Leben, Universität für Bodenkultur, 23. November 2007
- Fischer-Kowalski, Marina (2007): "Socioecological Transitions in human history and present, and their impact upon biodiversity", Presentation to the Second ALTER-net Summerschool, Peyresq, Alpes de Haute-Provence, September 2007
- Fischer-Kowalski, Marina (2007): "Ökologisierung der Arbeit? Arbeit, gesellschaftlicher Stoffwechsel und nachhaltige Entwicklung", Vortrag an der Waldviertel Akademie, August 2007
- Fischer-Kowalski, Marina and Krausmann, Fridolin (2007): "Transition to a sustainable social metabolism. Facing the global challenge". International Conference of the Society for Industrial Ecology, 17-20 June 07, Toronto
- Fischer-Kowalski, Marina and Krausmann, Fridolin (2007): "The challenge of China's transition from an agrarian socio-ecological regime to an industrial "circular economy". 2007 Beijing International Conference on Environmental Sociology, Renmin University, Beijing, July 2007
- Fischer-Kowalski, Marina (2007): "Ageing, time use and the environment", Workshop Research foresight for Environment and Sustainability- megatrends and surprises, Presentation at EEA Copenhagen, May 2007
- Fischer-Kowalski, Marina (2006): "Managing an explosion?". Introductory keynote to the Berlin Conference on the Human Dimensions of Global Environmental Change. Resource Policies: Efficiency, Effectiveness and Equity. Berlin: Nov. 17-19, 2006
- Fischer-Kowalski, Marina (2006): "Transformations of Social Metabolism - Past, Present and Future". Keynote at the Joint Workshop on Social Metabolism and Ecological Engineering, organised by the Faculty for Interdisciplinary Studies, Vienna (IFF) and Toyohashi University of Technology (TUT), Japan, in Vienna, Feb. 5-6, 2006
- Fischer-Kowalski, Marina (2006): "Social Metabolism and Time Use". Keynote lecture at the Marie Curie Summer School in Emerging Theories and Methods in Sustainability Research, Analysing Complexity, at the UAB Barcelona, June 7-17, 2006
- Fischer-Kowalski, Marina, Krausmann, Fridolin, and Rainer, Gerhard (2006): "Material Flows and Transport in Agrarian Societies: The MEFASPACEhist Model". Poster at the Gordon Research Conference on Industrial Ecology, Oxford, July 6-10, 2006
- Fischer-Kowalski, Marina (2006): "The Role of Materials in Socioecological Transitions". Keynote to the ConAccount Meeting in Vienna, September 12-14, 2006

- Fischer-Kowalski, Marina (2006): "MEFASPACE: Modelling Freight Transport Activity from Material Flows". Invited Lecture at the Gordon Research Conference on Industrial Ecology, Oxford, July 6-10, 2006
- Fischer-Kowalski, Marina and Weisz, Helga (2005): "National 'green' accounting in Austria, and Europe: The case of Material flows". Presentation at the 9th Meeting of the Expert Working Group on Improving the Role of Governments in Promoting Environmental Management Accounting, Vienna, Austria, June 9-10 2005
- Fischer-Kowalski, Marina (2005): "Transitions in the North, Transitions in the South. Towards identifying and comparing transitions of coupled socio-ecological systems". Presentation at the IHDP Open Science Meeting in Bonn, Germany, Oct.10-14 2005
- Fischer-Kowalski, Marina, Gallopin, Gilberto C., van der Leeuw, Sander E., and Laumann, Gregor (2005): "Modelling Global Change Dynamics". Presentation at the IHDP Open Science meeting in Bonn, Germany, 10-14 Oct. 2005
- Fischer-Kowalski, Marina (2004): "On the functions of social monitoring within BRIM". Presentation at the Glochamore - Global Change in Mountain Regions 1st Thematic Workshop "Global Environment & Social Monitoring", in Vienna, 9.-11. May 2004
- Fischer-Kowalski, Marina (2003): "Regional roles in a global game: A neglected aspect of sustainability transition research". Keynote at the Conference on the Human Dimensions of Global Environmental Change "Governance for Industrial Transformation", hosted by the Environmental Policy research Centre at the Free University, Berlin Dec. 5-6, 2003
- Fischer-Kowalski, Marina (2003): "Material Flow Analysis and its relevance for understanding the sustainability trajectories of Latin America". Presentation at the Workshop "Social Metabolism and Sustainable Development" at the Centro de Economia Energetica e Ambiental (CENERGIA) of the University Federal de Rio de Janeiro, Brazil, 13. February 2003
- Fischer-Kowalski, Marina (2003): "Socio-Ecological Regimes, Time-Use and the Environment". Presentation at the Second International Conference of the International Society for Industrial Ecology (ISIE), hosted by the University of Michigan, Ann Arbor, 29. June - 2. July 2003
- Fischer-Kowalski, Marina (2003): "Regional Roles in a Global Network of Material Flows: Cases from Latin America and South East Asia". Keynote and Austrian delegate to the International Expert Meeting on Material Flow Accounts and Resource Productivity, hosted by OECD and Ministry of Environment of Japan, Tokyo Nov. 25-26, 2003
- Fischer-Kowalski, Marina (2003): "A socio-metabolic perspective on the Redistribution of Environmental Loads through Transport and Trade". Keynote at the Conference on "World System History and Global Environmental Change", Lund University, Sept. 19-22, 2003
- Fischer-Kowalski, Marina (2001): "Key Questions to MFA for National Economies". Presentation at "The Science & Culture of Industrial Ecology" ISIE 2001 Meeting in Leiden, The Netherlands, 12-14, November 2001
- Fischer-Kowalski, Marina (2001): "Rapid Metabolic Change as a Chance and a Threat to Sustainability: The Case of Amazonia". Presentation at the Open Meeting of the Human Dimensions of Global Environmental Change Research Community of IHDP in Rio de Janeiro, Brazil, 6-8 October 2001
- Fischer-Kowalski, Marina (2001): "Globalizing Socio-Economic Metabolism and Redistributing Environmental Burdens. Trends in Material Flows, described by IPAT and Kuznets Models". Presentation at the conference „New Directions for Environmental Sociology in the Twenty-First Century" organized by Research Committee 24 "Environment and Society" of the International Sociological Association, in Bukkyo University, Kyoto, October 20-23, 2001.