

## Simron Jit Singh, *Ph.D.*

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### Senior Researcher and lecturer

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### EDUCATION

- Habilitation (Theme: Complex Disasters) at the Institute of Social Ecology, Vienna. In progress
- Ph.D. from the Department of Ethnology, Human Ecology Division, Lund University, Sweden (2003). Opponent: Prof. Joan Martinez Alier
- Masters in Ecology and Environment, Indian Institute of Ecology and Environment, New Delhi (1997)
- Bachelor of Arts, University of Delhi, New Delhi (1995)

### RESEARCH PROJECTS

- **Senior researcher:** Project *Civil Society Organisation's (CSO) Engagement with Ecological Economics* (CEECEC). Financed by EU's FP7 program. Project leader: Joan Martinez Alier. Ongoing.
- **D2 Core team member:** *The Economics of Ecosystem and Biodiversity* (TEEB), TEEB for Administrators; **Lead author** of the chapter on Natural Resource Management for Sustainable Livelihood. Funded by the European Commission and several national funds. Ongoing.
- **Project Leader** for the project *Feasibility study for creating a new MAB-park on the island of Samothraki, Greece (Part I & II)*. Financed by the Austrian Academy of Science (ÖAW) and in collaboration with UNESCO, Venice. Ongoing
- **Deputy Project Leader:** *Research on Coping with Vulnerability to Environmental Risk [RECOVER]: In search of a socio-ecologically viable future for the indigenous peoples of the Andaman-Nicobar archipelago after the tsunami disaster. A case study for a theory on sustainability transitions*. Financed by FWF. Concluded in March 2010.
- **Leader** of work-package *Socio-economic drivers of biodiversity change* of "A Long Term Ecological Research Network of Excellence" (ALTERNET). Financed by the EU's 6th Framework Programme. Concluded in 2009.
- **Project Leader** for the project *Introducing Social Science into Biosphere Reserve Integrated Assessment (BRIA): Conceptual framework and indicators*. Financed by the Austrian Academy of Science (ÖAW). Concluded in 2007.
- **Key investigator** for the project *Practising sustainability: An application of Integrated Analysis in the Nicobar archipelago*. Financed by Jubiläumsfond of the ÖNB. Concluded in November 2005.

- **Key investigator** for the project *Redesigning the research agenda for MAB-Austria in special consideration of Biosphere Reserve Integrated Monitoring (BRIM)*. Financed by the Austrian Academy of Science (ÖAW). Concluded in December 2004.
- **Key investigator** for the project *Cultural, material and Energy Transition in the Nicobar Islands: Empirical Research in Society-Nature Interactions*. Financed by the International Fellowship Award of BMBWK, and START Visiting Fellowship. September 1999 to September 2002.
- **Key investigator** for the project *Conserving and Promoting Tribal Culture: A study of the Nicobarese and Shompen Tribes*. Funded by Govt. of India (Department of Culture, Ministry of Human Resource Development). April 1999 to April 2002.
- **Evaluator and Trainer** for the project *Evaluation & Training for the Total & Post Literacy Campaigns Among the Van Gujjars*. Facilitated by Rural Litigation and Entitlement Kendra, Dehradun India. Funded by the Government of India's National Literacy Mission. September 1996 to April 1997.
- **Project Co-ordinator** for the project *Co-ordination & Training for the Pilot Implementation of Community Forest Management in Protected Areas*. Facilitated by Rural Litigation and Entitlement Kendra, Dehradun India. Funded by the International Workgroup for Indigenous Affairs (IWGIA), Denmark. May 1996 to May 1998.
- **Key Field Investigator** for the project *Community Forest Management in Protected Areas: Van Gujjars Proposal for the Rajaji Area*. Facilitated by Rural Litigation and Entitlement Kendra, Dehradun India. Funded by the Swedish Society for Nature Conservation (SSNC), Sweden and Canadian International Development Agency (CIDA), Canada. September 1995 to April 1996.

## PUBLICATIONS

### Books:

- Singh, S.J., Fischer-Kowalski, M., Haas, W. (in preparation). *Complex disasters: Humanitarian Aid and the Environment*. (under contract from Springer Netherlands)
- Singh, S.J., Haberl, H., Schmid, M., Mirtl, M., Chertow, M. (eds.) (in preparation). *Long-term Socio-ecological Research: Studies in society-nature interactions across spatial and temporal scales*. (under contract from Springer Netherlands)
- Singh, S.J. (2006): *The Nicobar Islands - Cultural choices in the aftermath of the tsunami*. Vienna: Czernin Verlag
- Singh, S.J. (2003): *In the Sea of Influence: A World System Perspective of the Nicobar Islands*. Lund Studies in Human Ecology 6. Lund: Lund University Press
- Warner, A., Glanville, E., and Singh, Simron J. (1997): *Community Forest Management in Protected Areas - Von Gujjars Proposal for the Rajaji Area*. Rural Litigation and Entitlement Kendra and Nataraj Publishers

## Book Chapters:

- Singh, S.J. (in press). Chupon's Dilemma. A Dialogue. In: Venkateshwar, S. & Barcham, M. (eds.). *Envisioning Indigenous Futures. Dialogues and Reflections*. ZED Books.
- Wildenberg, Martin and Singh, Simron J. (in press): Integrated modelling and scenario building for the Nicobar Islands in the aftermath of the Tsunami. In: Glaser, B. et al. (Eds.): *Human/Nature Interaction in the Anthropocene. Potentials for Socio-Ecological Systems Analysis*. Munich: oekom.
- Arabena, Kerry, Assadourian, Erik, Ceausu, Silvia, Constanza, Robert, Mohamed-Katerere, Jennifer, Pan, Wayne, Scarborough, Vernon, Simon, Anthony, Singh, Simron J., Timm, Jana, and Zoysa, Uchita d. (in press): A world of well-being. Shared goals through multiple pathways. In: Brasseur, G. and Constanza, R. (Eds.): *A World of Well-Being: Shared Goals through Multiple Pathways*. (in press with Routledge)
- Singh, Simron J., Haberl, Helmut, Gaube, Veronika, Grünbühel, Clemens M., Lisievici, P., Lutz, Juliana, Matthews, Robin, Mirtl, Michael, Vadineanu, Angheluta, and Wildenberg, Martin (2010): Conceptualising long-term socio-ecological research (LTSER): Integrating socio-economic dimensions into long-term ecological research. In: Müller, F. et al. (Eds.): *Long-Term Ecological Research, Between Theory and Application*. Berlin: Springer.
- Singh, S. J. and Ramanujam, R. V. (2010): Exploring ecological 'unequal' exchange using land and labour appropriation: trade in the Nicobar Islands, 1880-2000. In: Hornborg, A. and Jorgensen, A.K. (Eds.): *International Trade and Environmental Justice: Toward a Global Political Ecology*. Burleigh Heads: Nova Press.
- 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.
- Fischer-Kowalski, Marina, Erb, Karl-Heinz, and Singh, Simron J. (2004): Extending BRIM to BRIA. Social Monitoring and Integrated Sustainability Assessment. In: *Global Environmental and Social Monitoring. Proceedings of the 1st International Thematic Workshop, 9-11 May 2004, Vienna, Austria*. Paris: UNESCO, pp. 138-148.
- 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.
- Morrison, Keith D. and Singh, Simron J. (2009): Adaptation and indigenous knowledge as a bridge to sustainability. In: Begossi, Albina and Lopes, Priscilla (Eds.): *Current Trends in Human Ecology*. Cambridge, UK: Cambridge University Press, pp. 125-155.
- 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.
- Singh, Simron J., Berghöfer, A., and Dudley, N. (2009): Natural resource management for sustainable livelihood. In: *D2 - The Economics of Ecosystem and Biodiversity (TEEB)*. In preparation.

- Singh, Simron J. and Schandl, Heinz (2003): Socio-Economic Metabolism in the Nicobar Islands. Empirical Research in Society-Nature Interactions. In: Benzing, Brigitta and Herrmann, Bernd (Eds.): *Exploitation and Overexploitation in Societies Past and Present. IUAES-Intercongress 2001 Goettingen*. Münster: LIT Publishing House, pp. 169-184.
- Singh, Simron J. (2003): Transitions on an island society: a biophysical reading of society-nature interactions. In: Deb, Kaushik and Srivastava, Leena (Eds.): *Transition towards sustainable development in South Asia*. New Delhi: TERI, pp. 267-275.
- Singh, Simron J. (2001): Winds over the Nicobars. In: Sen, Geeti and Banerjee, Ashis (Eds.): *The Human Landscape*. New Delhi: Orient Longman, pp. 123-138.
- Singh, Simron J. (2001): Festivals in the Nicobars. A photo essay. In: Sen, Geeti and Banerjee, Ashis (Eds.): *The Human Landscape*. New Delhi: Orient Longman, pp. 139-148.

### **Journal articles:**

- Singh, Simron J. (2010). Vom Überfluss zur Knappheit. Handel und Geld auf den Nikobaren (From Abundance to Scarcity. Trade and Money in the Nicobar Islands). *Polylog*. Vienna
- Fischer-Kowalski, Marina, Singh, Simron J., Ringhofer, Lisa, Grünbühel, Clemens M., Lauk, Christian, and Remesch, Alexander (submitted): Socio-metabolic transitions in indigenous communities and the crucial role of working time. A comparison of case studies. In: *Human Ecology Review*, submitted.
- Haas, Willi and Singh, Simron J. (in preparation): Humanitarian aid and ecological sustainability: Pre- and post-tsunami metabolic profiles of Trinket island. Planned for *Journal of Ecological Economics*
- K.C. Samir, Singh, S.J. Lutz, W., Fischer-Kowalski, M. (in preparation). "Demographic trends and the impact of the tsunami. The Nicobar Islands 1880 – 2005".
- Singh, Simron J., Wildenberg, M., Fischer-Kowalski, M., Haas, W. (in preparation). Modelling consumption scenarios and biophysical trade-offs for post-tsunami Nicobar Islands". Planned for the journal, *Ecological Economics*.
- Ramanujam, R.V. and Singh, S.J. (submitted). 'From the ashes into the fire: Institutional change in the post-tsunami central Nicobar Islands.' Submitted to the journal *Environmental policy and Governance*.
- Haberl, Helmut, Gaube, Veronika, Díaz-Delgado, Riccardo, Krauze, Kinga, Neuner, Angelika, Peterseil, Johannes, Singh, Simron J., and Vadineanu, Angheluta (2009): Towards an integrated model of socioeconomic biodiversity drivers, pressures and impacts. A feasibility study based on three European long-term socio-ecological research platforms. In: *Ecological Economics* 68(6), pp. 1797-1812.
- Singh, Simron J. (2009): Complex disasters: the Nicobar Islands in the grip of humanitarian aid. In: *Geografische Rundschau - International Edition* 5(3), pp. 48-56.
- Singh, Simron J. (2007): The political economy of aid. A comment on post-tsunami Nicobars. In: *Light on Andamans* 32(9-10 (March 2007)
- Singh, Simron J. and Grünbühel, Clemens M. (2003): Environmental Relations and Biophysical Transitions: The Case of Trinket Islands. In: *Geografiska Annaler, Series B, Human Geography* 85 B(4), pp. 187-204.

Singh, Simron J. (2003): Transitions in an island society. In: *IHDP Newsletter Update 1/2003*, pp. 8-10.

Singh, Simron J. (2001): Social Metabolism and Labour in a Local Context: Changing Environmental Relations on Trinket Island. In: *Population and Environment* 23(1), pp. 71-104.

### **Working Papers & Reports:**

Singh, Simron Jit, Ringhofer, Lisa, Haas, Willi, Krausmann, Fridolin, and Fischer-Kowalski, Marina (2010): *Local Studies Manual: A researcher's guide for investigating the social metabolism of rural systems*. Vienna: IFF Social Ecology (Social Ecology Working Paper 120).

Fischer-Kowalski, Marina, Singh, Simron J., Ringhofer, Lisa, Grünbühel, Clemens M., Lauk, Christian, and Remesch, Alexander (2010): *Socio-metabolic transitions in indigenous communities and the crucial role of working time. A comparison of case studies*. Vienna: IFF Social Ecology (Social Ecology Working Paper 121).

Dirnböck, T., Bezák, P., Dullinger, S., Haberl, H., Lotze-Campen, L., Mirtl, M., Peterseil, J., Redpath, S., Singh, S.J., Travis, J., Wijdeven, S.M.J. (2008). *Scaling Issues in Long-term Socio-ecological Biodiversity Research: A Review of European Cases*. Vienna: IFF Social Ecology (Social Ecology Working Paper 100).

Erb, Karl-Heinz, Ertl, Siegrun, Gaube, Veronika, Reiter, Karl, and Singh, Simron J. (2005): *MaB Biosphere reserves. Re-designing the Research Agenda of MAB-Austria, in special consideration of BRIM A Feasibility Study - Final Report*. Wien: Verlag der Österreichischen Akademie der Wissenschaften

Singh, Simron J. (2001): *Conserving and Promoting Tribal Culture: A Study of the Nicobarese and Shompen Tribes. Third Field Report (February - March 2000)*.

Singh, Simron J. (2000): *Conserving and Promoting Tribal Culture: A Study of the Nicobarese and Shompen Tribes. Second Field Report (February - March 2000)*.

Singh, Simron J. (1998): *Conserving and Promoting Tribal Culture: A Study of the Nicobarese and Shompen Tribes. First Field Report (April - May 1999)*.

### **Recent conference Presentations (2009 – 2010)**

Singh, S.J. & Haberl, H. (2010). "Conceptualising Long term socio-ecological research (LTSER): The link to ecosystem services and biodiversity". Presentation at the conference of A long term ecological research network of excellence (ALTERNET): Ecosystem services and biodiversity. What is the link between the two? 3-4 November, Vienna, Austria

Singh, S.J. & Haberl, H. (2010). "Long term socio-ecological research (LTSER) and global land change science. Conceptual Clarifications." Presentation at the Global Land Project Open Science Meeting: Land systems, Global Change and Sustainability. 17-19 October 2009, Phoenix, Arizona, U.S.A.

Singh, S.J., Krausmann, F., Gingrich, S. (2010). "India's future in a global context. What does this mean in a biophysical sense?" Presentation at the conference of the International Society for Ecological Economics (ISEE), 22-25 August, 2010, held at Bremen, Germany.

Singh, S.J. (2010). Humanitarian Aid and Ecological Sustainability. A case in the aftermath of the tsunami. Presentation at the conference of the International Geographical Union (IGU) – Commission for Islands, 27-30 August, 2010, Ven, Sweden.

Singh, S.J. (2010). “Negotiating Diversity: Interactions between Nature and Culture”. Keynote at the European Forum on Music, Musical Diversity: Looking back – Looking forward, 15-18 April 2010, Vienna, Austria.

Singh, S.J. (2010). “The Economics of Ecosystem and Biodiversity: An overview”. Keynote at the Austrian Biodiversity Research Platform conference, 22-23 February 2010, Gumpenstein, Austria.

Fischer-Kowalski, Marina, Xendis, L., and Singh, Simron Jit (2009): "Transforming the Greek Island of Samothraki into a Man and Biosphere Reserve. A feasibility Study". Presentation at the International conference on Human Ecology, 29 June - 3 July 2009, Manchester, UK

Fischer-Kowalski, Marina, Xendis, L., and Singh, Simron Jit (2009): "Transforming the Greek Island of Samothraki into a Man and Biosphere Reserve. A feasibility Study". Presentation at the 15th International symposium on Society and Resource Management, 5-8 July 2009, Vienna, Austria