

Marion Glaser



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Summary

Marion Glaser leads the Social-Ecological Systems Analysis Group at the ZMT, Bremen and teaches at Bremen University. After studies at the University of Cologne (Germany) and the London School of Economics and Political Science (U.K.), she obtained a PhD in rural sociology at Bath University (U.K.) and professorial qualifications at the Humboldt University, Berlin and the University of Bremen. After engagements in development cooperation and research on self-help housing, agriculture and irrigation management, forestry, flood control and coastal management in Colombia, Bangladesh and Belize, she coordinated the social science research of the Brazilian-German Mangrove Dynamics and Management (MADAM) project (1996-2005) and the “Governance and Management of Coastal Social-Ecological Systems” Project in the Science for the Protection of Indonesian Coastal Ecosystems (SPICE) and two subsequent projects (2007-2016) in Indonesia. Since 2010, she is Vice President of the German Society for Human Ecology (DGH). She was twice elected on the Scientific Steering Committee of the Land-Ocean Interaction in the Coastal Zone project (now Future Earth Coast), on its Executive Board and Interim CEO (2012-2013). Since 2017, she is member of the Integrated Marine Biosphere (IMBeR) Scientific Steering Committee. Her research analyses the integrated dynamics and the governance and management of coastal and marine social-ecological systems focusing on the transdisciplinary potentials of agent-based modelling and network analysis, and on the theory and practice of contextualized, multi-site and cross-scale sustainability analysis.

Education and Academic Titles

Umhabilitation (second professorial qualification) in *Social Ecology of Coastal Areas* at the Institute of Geography, University of Bremen, Germany (2013)

- Habilitation (professorial qualification) in *Rural Sociology* Faculty of Agriculture and Horticulture, Humboldt University Berlin, Germany. (2006)
- PhD (*Rural Sociology*) from the University of Bath, UK supervisor Geof Wood, with scholarship by Bath University. (1989)
- Master of Science in *Development Studies*, (Economics/Sociology/Political Science) University of Bath, UK (1983)
- Zwischenprüfung (BA equivalent) *Economics and Political Science* (German course title: Volkswirtschaft sozialwissenschaftlicher Richtung), University of Cologne, Germany (1981)
- International Baccalaureate, United World College of the Atlantic, South Wales, UK, with scholarship from the German National Academic Foundation (1978)

Current Functions

- Leader of Social-Ecological Systems Analysis (SES) Group, Leibniz Center for Tropical Marine Research (ZMT), Bremen, Germany
- PD (professorial level) at the Humboldt University (Berlin) Faculty of Agriculture and Horticulture, (since 2006) and at the University of Bremen, (FB8, Geography) since 2013
- Vice-President of German Society for Human Ecology (DGH)
- Editorial Board member of the Journals *Ecology and Society*, *Sustainability* and *Journal of Indonesian Coral Reefs*
- Member of IMBeR Scientific Steering Committee (from Jan 2017)

Research Interests

My research develops and interfaces social science knowledge to support the development of sustainable human-nature relations. Drawing on long-term academic and participatory action research into regional development in Bangladesh, Belize, Brazil and Indonesia I am now also actively engaged in the creation of international knowledge and science-policy networks that respond to the “grand challenges” of global sustainability research. My current work explores the potential for transdisciplinary site- and ecosystem-specific collaborations that elucidate social-ecological connectivity and advance cross-scale multi-level analysis of the social drivers of social-ecological change. I am particularly interested in linking across coastal and marine regions where the challenges of sustainable human-nature relations are particularly pronounced.

Professional Development	
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2000 to date	Leader of the Social-Ecological Systems Group at ZMT. With field research in Brazil, Indonesia, Bangladesh, Zanzibar, Peru, Taiwan, Thailand, Fiji, Solomons and other tropical coastal locations.
2011-2016	Coordinator of MABICO and MACORAS social science subprojects under SPICE III
2011-2013	LOICZ Chief Executive Officer
2006–2010	Coordinator of the project <i>Coastal and Disaster Management for Improving the Preparedness for Natural Extreme Events in Indonesia</i> and of Research Cluster 6 <i>The Governance and Management of Indonesian Coastal Social-ecological Systems</i> in the Science for the Protection of Indonesian Coastal Ecosystems (SPICE) Programme leading a team of 20-30 researchers
1996-2005	Social Science Coordinator of the Mangrove Dynamics and Management (MADAM) Programme in North Brazil, leading a research team of 12-20 people
1992-1995	Consultant for the Overseas Development Administration (ODA) to the Ministry of Economic Development and the Forest Department, Government of Belize
1992	Lecturer in Development Studies and Sociology of Development at the University of Bath, Great Britain
1991	Consultant / Teamleader in the <i>Deep Tubewell II (DTW II) Project</i> , (Bangladesh) <i>IBRD/ODA</i> (Bangladesh, USA): Development of National Minor Irrigation Development Project (NMIDP) <i>OXFAM International</i> (Great Britain/Bangladesh): Evaluation of the OXFAM Bangladesh Programme
1989-90	Sociologist for the German Technical Cooperation Agency (GTZ) in Tangail Agricultural Development Project (TADP) Bangladesh
1988-89	Socio-economist, Overseas Development Institute, London

Teaching	
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2015-2019	Sustainable Development: Vision or Illusion?" (Annual week-long block course, University of Bremen)
2017-2019	Network Analysis in Environmental governance (Block Seminar, University of Bremen)
2014	"Development and the Natural Environment: Trade-offs and tensions between social and ecological sustainability" (with Annette Breckwolddt) for Fachbereich 2, University of Bremen.

- 1999-2012 two annual courses (2 SWS) in the International Studies in Tropical Ecology (ISATEC) Master course at the University of Bremen, Germany
 1. *Social Science Research Methods for Social-Ecological Analysis &*
 2. *Interdisciplinarity between the Natural and Social Sciences in Coastal Management*
- 2007-2009 taught an annual two-week intensive course on social-ecological systems analysis and social science field methods in coral reef environments in Hasanuddin University, Indonesia
- 2009-2010 taught two 10-day summer schools on social-ecological systems analysis for post-graduates and young lecturers at the Centre for Coral Reef Research (CCRR), Hasanuddin University, South Sulawesi, Indonesia.
- 1999–2003 Taught an annual two-week intensive course on *The participatory management of coastal resources* at the Universidade Federal do Pará, Brazil (in Portuguese)
- 1998 Lectured on an international course on *Integrated Coastal Zone Management* at the University of Bremen
- 1992 taught for my doctoral supervisor Prof. Dr. Geof Wood at the University of Bath, U.K. during his one-year sabbatical leave. Courses taught:
 1. *General Sociology (to undergraduates)*
 2. *Sociology of Development (to postgraduates)*

Academic Supervision

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| ongoing | Doctoral Thesis (Juliette KonKamKing) <i>A Sea under Watch: Tracking Fish and Fishers in the South Pacific</i> <i>First Supervisor</i> |
| ongoing | Doctoral Thesis (Léa Riera) <i>Fisheries in the South Pacific: (dis)connecting science, resource management and conservation. An interdisciplinary and comparative study between Fiji and New Caledonia</i> <i>First Supervisor</i> |
| ongoing | Doctoral Thesis (Eike Holzkämper) <i>The role of social networks for adopting innovative production techniques as a response to environmental change</i> <i>First supervisor</i> |
| ongoing | Doctoral Thesis (Anke Möisinger) <i>Local ecological knowledge and understandings of rapid environmental change on Takuu Atoll: Perceptions from a Polynesian Outlier.</i> <i>First supervisor</i> |
| ongoing | Doctoral Thesis (Theresa Schwenke) <i>Social-Ecological Networks and Actors: Understanding Dynamics in MPA governance.</i> <i>First supervisor</i> |
| ongoing | Doctoral Thesis (Rebecca Borges) <i>Spatial Analysis in MPA development.</i> <i>Second supervisor</i> |

ongoing	Doctoral Thesis (Pilar Heron) Effects of multi-species and multi-gear artisanal fisheries practices on fished resources and on resource users in the Colombian Pacific. <i>Second supervisor</i>
ongoing	Doctoral Thesis (Chia-Chi Wu) Multi-actors and multi-criteria marine protected area design in southern Penghu archipelago, Taiwan (Universität Bonn). <i>First Supervisor</i>
2014-2018	Doctoral Thesis (Akuila Cakacaka) Livelihoods and reef use in the Melanesian Pacific (working title). <i>First supervisor</i>
2014-2018	Doctoral Thesis (Stefan Partelow) Finding sustainability: Advancing multiple methods to apply the social-ecological systems framework. Jacobs University Bremen <i>Second supervisor</i>
2018	Master Thesis (Stefanie de Buhr) Sustainable Livelihood Outcomes: Lessons from two NGO approaches in Bangladesh Master Thesis <i>First Supervisor</i>
2017	Master Thesis (Eike Holzkämper) Comparing Realities: Analysis of Stakeholders' Perceptions relating to the Governance Network of a MPA – the Case of the Coral Coast Environmental Protection Area, Brazil. <i>First Supervisor</i>
2017	Bachelor Thesis (Francheska Tacke) Integrated multi-trophic aquaculture in coastal Bangladesh - Approaches for a sustainable social & ecological adaptation process Eberhard Karls Universität Tübingen Mathematisch-Naturwissenschaftliche Fakultät; BSc Geoökologie
2016	Master Thesis (Sofia Solano) Using the Ostrom's SESF to analyze the implementation of a co-management regime in North Brazil. <i>Second supervisor</i>
2016	Doctoral Thesis (Wasistini Baitoningsih) Synergizing Top-down and Bottom-up Approaches: Institutional Solution for Sustainable Coastal and Small Islands Management in Berau, East Kalimantan, Indonesia. <i>First Supervisor</i>
2016	Doctoral Thesis (Wang Fei) Environmental Impact and Social Implications of Ecotourism in Marine Protected Areas (MPA) - Application of an Agent-bases modelling Approach. <i>Second Supervisor</i>
2016	Doctoral Thesis (Martin Lukas) Land use/land cover change and environmental governance in the Segara Anakan lagoon and its catchment area, Java, Indonesia. <i>Second Supervisor</i>
2015	Doctoral Thesis (Luz Elba Torres Guevara) A Social-ecological systems framework and coastal zone management in Colombia. <i>Second Supervisor</i>
2015	Doctoral Thesis (Philipp Gorris) Linking local governance systems for regional-scale coral reef management: Analysis of case studies in Brazil and Indonesia. <i>First Supervisor</i>

- 2015 Doctoral Thesis (Daniella Schaumlöffel (née Ferrol-Schulte)) Livelihood vulnerability and marine natural resource dependency in coastal communities. *First Supervisor*
- 2013 Master Thesis (Veronika Breilkopf) Rationalities behind the choice of a certain fishing gear and fishing location in the Spermonde Archipelago, South Sulawesi, Indonesia. *Second Supervisor*
- 2012 Master Thesis (Nancy Gilkonjo) MPAs in Zanzibar (Working Title). *First Supervisor*
- 2012 Doctoral Thesis (Rio Deswandi) Understanding Institutional Dynamics: The Emergence, Persistence, and Change of Institutions in Capture Fisheries in Makassar Spermonde Archipelago, South Sulawesi, Indonesia. *Second Supervisor*
- 2011 Doctoral Thesis (Milena Arias-Schreiber) Institutions for sustainable fisheries governance. The commercial Peruvian anchovy fishery. *Second Supervisor*
- 2011 Master Thesis (John Sebit Benansio) Fishery and Tourism Impact in Zanzibar. *First Supervisor*
- 2011 Master Thesis (Philipp Gorris) Nachhaltige Nutzung mariner Ressourcen: Partizipatives Management von Marine Protected Areas auf den Philippinen, Universität Bonn. *Second Supervisor*
- 2011 Bachelor Thesis (Maria Voigt) The Co-Management approach of the marine Extractive Reserve "Caeté- Taperacu" in northern Brazil: Analysis of selected biological and socio-economic aspects. *Second Supervisor*
- 2011 Master Thesis (H. M. Moniruzzaman) Female contribution from homestead aquaculture to family livelihood in south-west coastal districts of Bangladesh. *Second Supervisor*
- 2011 Doctoral Thesis (Lucinaldo Blandtt) Capacitation of social resilience with participatory methodologies, UFPa, Campo Universitario de Belém, Brasilien. *Second Supervisor*
- 2011 Doctoral Thesis (Neila Cabral) O setor pesqueiro brasileiro e o desempenho das estruturas e sistemas de representação política, Universidade Federal do Pará. *Second Supervisor*
- 2010 Master Thesis (Eva Suhren) Wie ein Fluss das Leben seiner Anwohner prägt: eine motivierte Interviewstudie mit Anwohnerinnen des Siak in Indonesien. *Second Supervisor*
- 2010 Master Thesis (Katrin Prüter) Wasserverschmutzung und mögliche Auswirkungen auf die Gesundheit - eine Situationsanalyse am Beispiel des Siak River (Indonesien). *Second Supervisor*

Research Funding

- 1996-2005 Developed and coordinated social science component of the *Mangrove Dynamics and Management* (MADAM) Project, Brazil.
- 2006-2007 Initiated German social science cooperation with Indonesia on coastal management. *Coastal and Disaster Management for Improving the Preparedness for Natural Extreme Events in Indonesia*.
- 2007-2010 Science for the Protection of Indonesian Coastal Ecosystems (SPICE II) Cluster 6 *Governance and Management of Indonesian Coastal Social-Ecological Systems* Funding obtained:
- 2012-2014 SPICE III Topic 3 *The Social Drivers of Coral Reef Resilience and their social-ecological repercussions* und Topic 1 *Impacts of Marine Pollution on Biodiversity and coastal livelihoods*.

Organisation of Academic and Science-Policy Events (selection)

IMBeR Future Oceans2 conference session on global ocean governance, Session organizer, June 2019, Brest

ICES conference session on fisheries and conservation governance October 2018, Hamburg

Co-convenor of IMBIZO V conference, Woods Hole, USA, October 2-6 2017

Session on *Governing Across Scales: Toward a sustainability-science knowledge-network on marine-ecosystems: achieving innovative, transdisciplinary stewardship across multiple scales* with Peter Fox, Oran Young, Alida Bundy, and Moeniba Issacs) at the Planet under Pressure Conference, London (March 2012)

Session on *Cross-scale, multi-level analyses in coastal and marine social ecological systems* at LOICZ Open Science Conference in Yantai, China with Bernhard Glaeser (September 2011); and at the Resilience 2011 conference in Tempe, Arizona, U.S.A. with Gesche Krause (March 2011)

Regional Science-Policy Workshop '*People, reefs and fish in Spermonde Archipelago, South Sulawesi - Research findings, policy recommendations and future research needs*' with Regional Planning Authority BAPPEDA South Sulawesi, Indonesia (24 November 2010)

National Science Policy Workshop (SPICE II Cluster 6) *Developing theory and supporting policy through multi-level social-ecological analysis in coastal and marine resources governance* Center for Coastal and Marine Resource Studies (CCMRS), IPB, Bogor, Indonesia (14–15 April 2010)

International Conference of the German Society for Human Ecology, *Human-Nature Interactions in the Anthropocene: Potentials for Social-Ecological Systems Analysis*, Sommerhausen, Germany (May 2008)

Session at the XVth International Conference of the Society for Human Ecology, Rio de Janeiro, Brazil (October 2007)

Southeast Asia Coastal Governance and Management Forum: Science meets Policy for Coastal Management and Capacity Building Bali, Indonesia (14–16 November 2006)

Publications

Peer-reviewed

Gorris, P., **Glaser, M.**, Idrus, M. R., & Yusuf, A. M. (2019). The role of social structure for governing natural resources in decentralized systems: Insights from governing a fishery in Indonesia. *Public Administration*, published at <http://doi.org/10.1111/padm.12586>.

Partelow, S., **M. Glaser**, S. Solano Arce, R. Sá Leitão Barboza, and A. Schlüter (2018). Mangroves, fishers, and the struggle for adaptive co-management: applying the social-ecological systems framework to a marine extractive reserve (RESEX) in Brazil. *Ecology and Society* 23(3):19. <https://doi.org/10.5751/ES-10269-230319>

Glaser, M., Breckwoldt, A., Carruthers, T., Forbes, D., Costanzo, S., Kelsey, H., Stead, S. (2018). Towards a framework to support coastal change governance in small islands. *Environmental Conservation*, 1-11. doi:10.1017/S0376892918000164

Glaser, M., Gorris, P., Padovani Ferreira, B., Breckwoldt, A. (2018) Analysing ecosystem user perceptions of the governance interactions surrounding a Brazilian near shore coral reef. *Sustainability* Vol. 10, Article 1464. DOI: 10.3390/su10051464

Gerhardinger, L.C., Gorris, P., Gonçalves, L.R., Herbst, D.F., Vila-Nova, D.A., de Carvalho, F.G., **Glaser, M.**, Zondervan, R. Glavovic, B.C. (2018) Healing Brazil's blue Amazon: the role of knowledge networks in nurturing cross-scale transformations at the frontlines of ocean sustainability. *Frontiers in Marine Science* Vol. 4, Article 395. DOI: 10.3389/fmars.2017.00395

Ahmed, N., Thompson, S. & **Glaser, M.** (2018). Global Aquaculture Productivity, Environmental Sustainability, and Climate Change Adaptability *Environmental Management* <https://doi.org/10.1007/s00267-018-1117-3>

Ahmed, N., Thompson, S., **Glaser, M.** (2018) Transforming organic prawn farming in Bangladesh: Potentials and challenges *Journal of Cleaner Production* 172, pp. 3806-3816. DOI: 10.1016/j.jclepro.2017.06.110

Glaser, M., Plass-Johnson, J., Ferse S., Neil, M. Yanuarita S. D., Teichberg, M., Reuter H. (2018) Breaking Resilience for a Sustainable Future: Thoughts for Governance and Management in a Coral Reef Archipelago in the Anthropocene *Frontiers in Marine Science* (Feb 16th doi 10.3389/fmars.2018.0034

Aswani, S., Basurto X., Ferse S., **Glaser, M.**, Campbell, L., Cinner, J.E., Dalton, T., Jenkins, L.D., Miller, M.L., Pollnac, R., Vaccaro, I., Christie, P. (2017) Marine resource management and conservation in the Anthropocene *Environmental Conservation* 11 pp. online DOI: : 10.1017/S0376892917000431 Download at <https://www.cambridge.org/core>

Ahmed, N., Thompson, S., **Glaser, M.** (2017) Integrated mangrove-shrimp cultivation: Potential for blue carbon sequestration *Ambio* online DOI: 10.1007/s13280-017-0946-2

Ahmed, N., Bunting, S.W., **Glaser, M.**, Flaherty, M.S., Diana, J.S. (2017). Can greening of aquaculture sequester blue carbon? *Ambio* 46(4), pp. 468-477. DOI: 10.1007/s13280-016-0849-7.

Ahmed, N., Cheung, W.W.L., Thompson, S., **Glaser, M.** (2017). Solutions to blue carbon emissions: shrimp cultivation, mangrove deforestation and climate change in coastal Bangladesh. *Marine Policy* 82, pp. 68-75. DOI: 10.1016/j.marpol.2017.05.007.

Ahmed, N., **Glaser, M.** (2016). Coastal aquaculture, mangrove deforestation and blue carbon emission: is REDD plus a solution? *Marine Policy* 66, pp. 58-66. DOI:10.1016/j.marpol.2016.01.011.

Ahmed, N., **Glaser, M.**, (2016). Can “Integrated Multi-Trophic Aquaculture (IMTA)” adapt to climate change in coastal Bangladesh? *Ocean and Coastal Management* 132, pp. 120-131. DOI: 10.1016/j.ocecoaman.2016.08.017.

Bai, X., van der Leeuw, S., O’Brien, S., Berkhout, F., Biermann, F., Brondizio, E.S., Cudenneq, C., Dearing, J., Duraiappah, A., **Glaser, M.**, Revkin, A., Steffen, W., Syvitski, J. (2016). Plausible and desirable futures in the Anthropocene: a new research agenda. *Global Environmental Change* 39, pp. 351-362. DOI 10.1016/j.gloenvcha.2015.09.017.

Biermann, F., Bai, X., Bondre, N., Broadgate, W., Chen, C.-T.A., Dube, O.P., Erisman, J.W., **Glaser, M.**, van der Hel, S., Lemos, M.C., Seitzinger, S., Seto, K.C. (2016). Down to Earth: contextualizing the Anthropocene. *Global Environmental Change* 39, pp. 341-350. DOI: 10.1016/j.gloenvcha.2015.11.004.

Ramesh, R., Chen, Z., Cummins, V., Day, J., D’Elia, C., Dennison, B., Forbes, D.L., Glaeser, B., **Glaser, M.**, Glavovic, B., Kremer, H., Lange, M., Larsen, J.N., Le, M., Newton, A., Pelling, M., Purvaja, R., Wolanski, E. (2015). Land-ocean interactions in the coastal zone: past, present and future. *Anthropocene* 12, pp. 85-98. DOI: 10.1016/j.ancene.2016.01.005.

Baum, G., Kusumanti, I., Breckwoldt, A., Ferse, S.C.A., **Glaser, M.**, Dwiytitno, Adrianto, L., van der Wulp, S., Kunzmann, A. (2016, in press). Under pressure: investigating marine resource-based livelihoods in Jakarta Bay and the Thousand Islands. *Marine Pollution Bulletin*. DOI: 10.1016/j.marpolbul.2016.05.032.

Glaser, M., Breckwoldt, A., Deswandi, R., Radjawali, I., Baitoningsih, W., Ferse, S.C.A (2015). Of exploited reefs and fishers - a holistic view on participatory coastal and marine management in an Indonesian archipelago. *Ocean and Coastal Management* 116, p. 193-213. DOI: 10.1016/j.ocecoaman.2015.07.022.

Glaser, M., Glaeser, B. (2014) Towards a framework for cross-scale *and* multi-level analysis of coastal and marine social-ecological systems dynamics. *Regional Environmental Change* 14 (6):2039-2052. doi:10.1007/s10113-014-0637-5

Suhren EJ, Devita F, Prüter K, Tarumun S, **Glaser M**, Glaeser B (2014) River Health and Community Health: A Collaborative Action-oriented Social-ecological Analysis. *Asian Journal of Water, Environment and Pollution* 11 (1):51-66

Schwerdtner Máñez K., Ring I., Krause G., Glaser M. (2014) The Gordian Knot of Mangrove Conservation: Disentangling the Role of Scale, Services and Benefits. *Global Environmental Change* 28, 120-128.

Ferse, S., **Glaser, M.**, Neil, M., Schwerdtner Mañez, K. (2014). 'To cope or to sustain? Eroding long-term sustainability in an Indonesian coral reef fishery.' *Regional Environmental Change* [online]: 1-13. Available at: <http://www.springerlink.com/content/cv5974132658x685/>.

Schlüter, A., Wise, S., Schwerdtner Máñez, K., de Morais, G., **Glaser, M.** (2013) 'Institutional Change, Sustainability and the Sea.' *Sustainability* 5 (12):5373-5390.

Ferrol-Schulte, D., Wolff, M., Ferse, S., **Glaser, M.** (2013) 'Sustainable Livelihoods Approach in tropical coastal and marine social-ecological systems: A review.' *Marine Policy* 42: 253-258.

von Essen, L.M., Ferse, S., **Glaser, M.**, Kunzmann, A. (2013). 'Attitudes and perceptions of villagers towards community-based mariculture in Minahasa, North Sulawesi, Indonesia.' *Ocean and Coastal Management* 73: 101-112.

Glaser, M., Christie, P., Diele, K., Dsikowitzky, L., Ferse, S., Nordhaus, I., Schlüter, A., Schwerdtner Mañez, K., Wild, C. (2012) 'Measuring and understanding sustainability-enhancing processes in tropical coastal and marine social-ecological systems'. *Current Opinion in Environmental Sustainability* 4 (3): 300-308.

Wever, L., **Glaser, M.**, Gorris, P. & Ferrol-Schulte, D. (2012) 'Decentralization and participation in integrated coastal management: Policy lessons from Brazil and Indonesia'. *Ocean & Coastal Management* 66: 63-72.

Ferse, S., Knittweis L., Krause G., Maddusila A. & **Glaser, M.** (2012): Livelihoods of Ornamental Coral Fishermen in South Sulawesi/Indonesia: Implications for Management, *Coastal Management*, 40:5, 525-555.

Ferse, S., **Glaser, M.**, Schultz, C. & Jompa, J. (2012) 'Linking research to Indonesia's CTI Action Plan: the SPICE Program'. 12th International Coral Reef Symposium 9-13 July 2012, Cairns, Australia.

Deswandi, R., **Glaser, M.** & Ferse, S. (2012) 'What makes a social system resilient?' Book Chapter in: Hornidge, A.K. & Antweiler, C. (eds.): *Environmental Uncertainty and Local Knowledge. Southeast Asia as a Laboratory of Global Ecological Change*. Bielefeld: Transcript Publishers, pp. 243-272.

Glaser, M. & Glaeser, B. (2012) 'The Social Dimension in the Management of Social-Ecological Change', In: Kremer, H. Pinckney, J. (eds.), *Treatise on Estuarine and Coastal Science, Vol. 11: Integrated Management of Estuaries and Coasts*. München: Elsevier, 59p. available in print and electronically at www.elsevierdirect.com/esco or <http://www.elsevierdirect.com/article.jsp?pageid=11682>

Glaser, M., Krause, G., Ratter, B.M.W. & Welp, M. (eds.) (2012) *Human-Nature Interaction in the Anthropocene: Potentials of Social-Ecological Systems Analysis*, Routledge, 232p.

Glaser, M., Krause, G., Ratter, B.M.W. & Welp, M. (2012) 'New approaches to the analysis of human-nature relations', *In: Glaser, M. et al. (eds.) Chapter 1, Human-Nature Interaction in the Anthropocene: Potentials of Social-Ecological Systems Analysis*, Routledge, pp. 3-12.

Glaser, M. (2012) 'Transdisciplinary multi-agent modelling for social-ecological systems analysis: Achievements and Potentials', *In: Glaser, M. et al. (eds.) Chapter 8, Human-Nature Interaction in the Anthropocene: Potentials of Social-Ecological Systems Analysis*, Routledge, pp. 141-160.

Glaser, M., Krause, G., Halliday, A. & Glaeser, B. (2012) 'Towards global sustainability analysis in the Anthropocene', *In: Glaser, M. et al. (eds.) Chapter 10, Human-Nature Interaction in the Anthropocene: Potentials of Social-Ecological Systems Analysis*, Routledge, pp. 193-222.

Halliday, A. & **Glaser M.** (2011) 'A Management Perspective on Social-ecological systems – A generic system model and its application to a case study from Peru'. *Human Ecology review* 18 (1): 1-18.

Glaser, M., Baitoningsih, W., Neil, M. & Ferse, S. (2010) 'Whose sustainability? Top-down participation and emergent rules in protected area management - Local lessons for MPA design from Indonesia', *Marine Policy* (34): 1215-1225.

Glaeser, B. & **Glaser, M.** (2011) 'People, Fish and Coral Reefs in Indonesia. A Contribution to Social-Ecological Research'. *GAIA* 20 (2) 139-141.

Glaeser, B. & **Glaser, M.** (2011) 'People, fish and coral reefs in Indonesia: Social-ecological research in 2010'. *LOICZ Inprint* (1): 34-40.

Glaeser, B. & **Glaser, M.** (2010) 'Global change and coastal threats: The Indonesian case. *Human Ecology Review* 17 (2): 135-147.

Glaser, M., Radjawali, I., Ferse, S. & Glaeser, B. (2010) 'Nested participation in hierarchical societies? Lessons for social-ecological research and management', *International Journal of Sustainable Society Vol 2 (4):390-414*.

Mondal P, **Glaser M.**, Nishat A, Breckwoldt A. (2010) Co-management approach on fisher group: A case study on *Ramsar* site, *Tanguar haor* in Bangladesh. *Bangladesh Fisheries Research Institute*. 105-116.

Glaser, M., Krause, G., Oliveira, R., Fontalvo-Herazo, M.(2010). *Mangroves and People: A Social-Ecological System. Mangrove Dynamics and Management in North Brazil*. U. Saint-Paul and H. Schneider. Berlin, Springer: 307-351.

Diele, K., Araujo, A., **Glaser, M.** & Salzmann, U. (2010) 'Artisanal fishery of the Mangrove Crab *Ucides cordatus* (Ocypodidae) and First Steps towards a Successful Co-Management in Bragança, N-Brazil', *In: Saint Paul, U. and Schneider, H. (eds.), Mangrove dynamics and management in North Brazil*. Ecological Studies Series. Heidelberg, Berlin: Springer: 287-298.

Ferse, S., Máñez-Costa, M., Schwerdtner Máñez, K., Adhuri D.S. & **Glaser, M.** (2010) 'Allies, not aliens - increasing the role of local communities in MPA implementation', *37 (1):23-34 Environmental Conservation*.

Reichel, C., Frömming, U. & **Glaser, M.** (2009) 'Conflicts between stakeholder groups affecting the ecology and economy of the Segara Anakan region.' *Regional Environmental Change* [online] Vol. 9, No. 4. on <http://www.springerlink.com/content/78x9108232563797/fulltext.html>

Glaeser, B., Bruckmeier, K., **Glaser, M.** & Krause, G. (2009) 'Social-ecological systems analysis in coastal and marine areas: A path toward integration of interdisciplinary knowledge', *In: Lopes P. and Begossi, A. (eds), Current Trends in Human Ecology*, (183-203), Cambridge, UK: Cambridge Scholars Publishing.

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