

Leibniz Centre for Tropical Marine Research (ZMT)
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Educational History

PhD	Department of Chemistry and Biology, University of Bremen, Germany Supervisors: Prof. Dr. Matthias Wolff, Dr. Andreas Kunzmann Title of thesis: 'Artificial reef structures and coral transplantation: fish community responses and effects on coral recruitment in North Sulawesi/Indonesia', Final grade: <i>magna cum laude</i>	2008
MSc	Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany Supervisors: Prof. Dr. Matthias Wolff, Dr. Andreas Kunzmann Title of thesis: 'Growing corals in an ocean-based nursery: The use of cages' Final grade: A	2004
Vordiplom	Department of Biology, Georg August University Göttingen, Germany Final grade: A	2001

Research and Professional Experience

2019-now	<i>Executive Director</i> , Future Earth Coasts International Project Office, Leibniz Centre for Tropical Marine Research, Bremen, Germany
2018-now	<i>Guest scientist</i> , Marine Ecology Department, Faculty of Biology and Chemistry, University of Bremen, Germany
2014-15	<i>Visiting Scientist</i> , Geography Department, University of Hawaii Mānoa, USA. Host: Prof. Dr. Camilo Mora
2014-18	<i>Deputy Dive Officer</i> , Leibniz Center for Tropical Marine Ecology, Bremen, Germany
2013-18	<i>Junior Research Group Leader</i> , Human Agency, Resilience and Diversity in Coral Reefs, Leibniz Center for Tropical Marine Ecology, Bremen, Germany
2012-13	<i>Project Coordinator</i> , collaborative project in BMBF-funded SPICE III program (Science for the Protection of Indonesian Coastal Ecosystems), Topic 1 (MABICO - Impacts of marine pollution on biodiversity and coastal livelihoods)
2012-13	<i>Post-doctoral Researcher</i> , Coastal Social-Ecological Systems, Leibniz Center for Tropical Marine Ecology, Bremen, Germany. Advisor: PD Dr. Marion Glaser
2011	September – December: <i>Post-doctoral Researcher</i> , Coral Reef Ecology, Leibniz Center for Tropical Marine Ecology, Bremen, Germany. Advisor: Prof. Dr. Christian Wild
2011	January – August: <i>Post-doctoral Researcher</i> , Coastal Social-Ecological Systems, Leibniz Center for Tropical Marine Ecology, Bremen, Germany. Advisor: PD Dr. Marion Glaser
2008-10	<i>Post-doctoral Researcher</i> , SPICE II project, Coastal Social-Ecological Systems, Leibniz Center for Tropical Marine Ecology, Bremen, Germany. Advisor: PD Dr. Marion Glaser
2005-07	<i>Field Research</i> , North Sulawesi/Indonesia as guest scientist at Sam Ratulangi University (UNSRAT), Manado (Ecological effects of coral transplantation and artificial reefs)
2003-04	<i>Guest Student</i> , Bogor Agricultural University (IPB), Java, Indonesia
2003-04	<i>Field Research</i> , Sambangan Island, Karimunjawa National Park, Central Java, Indonesia (Use of cages in ocean-based farming of coral fragments)
2003-04	<i>Research Assistant</i> , Leibniz Centre for Tropical Marine Ecology, Bremen, Germany, MADAM (Mangrove Dynamics and Management) project, Dr. Marion Glaser
2002	<i>Research Assistant</i> , Moorea, French Polynesia (Population regulation in a mutualistic reef fish [<i>Ctenogobiops feroculus</i>]), Andrew Thompson, University of California, Santa Barbara (UCSB)
2001-02	<i>Guest Student</i> , Department of Ecology, Evolution and Marine Biology, University of California, Santa Barbara (UCSB), USA

Teaching and Supervision Experience

Supervision and examination

- 2020 *External Examiner* [member of examination committee], PhD thesis of Angelica Chirico, Stockholm University, Sweden
- 2020 *External Examiner* [opponent], PhD thesis of Maria Eggertsen, Stockholm University, Sweden
- 2020-now *Additional supervisor* [member of PhD panel], PhD thesis of Daniel Schürholz, Leibniz Centre for Tropical Marine Research/ University of Bremen, Germany
- 2020-now *Additional supervisor* [member of PhD panel], PhD thesis of Kathrine Maxwell, Leibniz Centre for Tropical Marine Research/ University of Bremen, Germany
- 2020-now *Additional supervisor* [member of PhD panel], PhD thesis of Munawar Khalil, Leibniz Centre for Tropical Marine Research/ University of Bremen, Germany
- 2019-now *Additional supervisor* [member of PhD panel], PhD thesis of Rifki Furqan, Leibniz Centre for Tropical Marine Research/ University of Bremen, Germany
- 2019 *Examiner*, MSc thesis of Kevin Dietz, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2019 *Examiner*, MSc thesis of Ayodele Oloko, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2019-now *Co-Supervisor*, PhD thesis of Mattia Ghilardi, Leibniz Centre for Tropical Marine Research/ University of Bremen, Germany
- 2019-now *Additional supervisor* [member of PhD panel], PhD thesis of Lisa Röpke, Leibniz Centre for Tropical Marine Research/ University of Bremen, Germany
- 2018-now *Additional supervisor* [member of PhD panel], PhD thesis of Nan Xiang, Leibniz Centre for Tropical Marine Research/ University of Bremen, Germany
- 2018-now *Additional supervisor* [member of PhD panel], PhD thesis of Susana Simancas, University of Bremen, Germany
- 2018-19 *External supervisor*, Sarjana 2 thesis (MSc equivalent) of Tabita Suyoto, Aquatic Science, Sam Ratulangi University, Manado, Indonesia
- 2018-19 *Co-Supervisor*, MSc thesis of Theresa-Marie Fett, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2018-19 *Co-Supervisor*, MSc thesis of Hannah von Hammerstein, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2018 *External Examiner*, MSc thesis of Alejandro Usobiaga Fabian, James Cook University, Australia
- 2018 *Co-Supervisor*, MSc thesis of Malika Müller, Marine Biology, University of Bremen, Germany
- 2018 *Co-Supervisor*, MSc thesis of Constanze Staab, Marine Biology, University of Bremen, Germany
- 2018 *Co-Supervisor*, MSc thesis of Xochitl Elias, Marine Biology, University of Bremen, Germany
- 2017-18 *Supervisor*, Post-doc of Dr. Amanda Ford, Leibniz Center for Tropical Marine Ecology, Bremen, Germany
- 2017-18 *Supervisor*, MSc thesis of Andrés Alegría, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2017-18 *Supervisor*, MSc thesis of Daniel Ortiz, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2017-18 *Supervisor*, MSc thesis of Dina Biehn, Marine Biology, University of Bremen, Germany
- 2017-18 *Supervisor*, BSc thesis of Clara Voigt, Biology (focus Marine Biology, University of Bremen, Germany
- 2016-now *Additional supervisor* [member of PhD panel], PhD thesis of Febrina Desrianti, Leibniz Centre for Tropical Marine Research/Jacobs University, Germany
- 2016-19 *Additional supervisor* [member of PhD panel], PhD thesis of Jennifer Bachmann, Leibniz Center for Tropical Marine Research/University of Bremen, Germany
- 2016-17 *Co-Supervisor*, MSc thesis of Natalie Prinz, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2016-18 *Supervisor*, MSc thesis of Anette Reh, Marine Environmental Science, University of Oldenburg, Germany
- 2016-17 *Co-Supervisor*, MSc thesis of Fabian Werner, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2016-17 *Co-Supervisor*, MSc thesis of Viviana Esteban Garcia, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2016-17 *Co-Supervisor*, MSc thesis of Lena Rölfer, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany

- 2016 *Examiner*, MSc thesis of Britt Ronen, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2016 *External supervisor*, Sarjana 1 thesis (BSc equivalent) of Yuda Perdana, Department of Marine Science and Technology, Bogor Agricultural University, Bogor, Indonesia
- 2016 *Supervisor*, MSc thesis of Élyne Dugény, MSc SDUEE Oceanography and Marine Environments, Pierre and Marie Curie University, Paris, France
- 2016 *Supervisor*, MSc thesis of Robin Gauff, MSc SDUEE Oceanography and Marine Environments, Pierre and Marie Curie University, Paris, France
- 2015-2020 *External Supervisor*, PhD thesis of Beginer Subhan, Department of Marine Science and Technology, Bogor Agricultural University, Bogor, Indonesia
- 2015-16 *Co-Supervisor*, MSc thesis of Emmanuella Orero, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2015-16 *Co-Supervisor*, MSc thesis of Isabell Kittel, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2015-16 *Co-Supervisor*, MSc thesis of Tobias Schneider, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2015-16 *Supervisor*, MSc thesis of Andreas Eich, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2015-17 *Supervisor*, MSc thesis of Ryan McAndrews, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2015-16 *Supervisor*, MSc thesis of Steven Lee, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2015-18 *Additional supervisor* [member of PhD panel], PhD thesis of Stefan Partelow, Leibniz Center for Tropical Marine Ecology/Jacobs University, Bremen, Germany
- 2015 *External Examiner*, PhD thesis of Wahyu Nugraha, Newcastle University, UK
- 2015 *Examiner*, MSc thesis of Lena Heel, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2014-18 *Co-Supervisor*, PhD thesis of Janne Rohe, Leibniz Center for Tropical Marine Ecology/Jacobs University, Bremen, Germany
- 2014-18 *Additional supervisor* [member of PhD panel], PhD thesis of Katie Nelson, Leibniz Center for Tropical Marine Ecology/Jacobs University, Bremen, Germany
- 2014-17 *Supervisor*, Post-doc of Dr. Sonia Bejarano, Leibniz Center for Tropical Marine Ecology, Bremen, Germany
- 2014-15 *Co-Supervisor*, MSc thesis of Jan-Claas Dajka, Marine Biology, University of Bremen, Germany
- 2014-15 *Co-Supervisor*, MSc thesis of Laura Puk, Marine Biology, University of Bremen, Germany
- 2013-18 *Co-Supervisor*, PhD thesis of Akuila Cakacaka, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany
- 2013-17 *Supervisor*, PhD thesis of Amanda Ford, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany
- 2013-16 *Additional supervisor* [member of PhD panel], PhD thesis of Claudia Pogoreutz, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany
- 2013-14 *Co-Supervisor*, MSc thesis of Steffi Meyer, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2013-14 *Supervisor*, MSc thesis of Pilar Velásquez Jofre, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2013-14 *Supervisor*, MSc thesis of Riki Nakajima, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2013-14 *Co-Supervisor*, MSc thesis of Mary Namukose, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2013-14 *Supervisor*, MSc thesis of Nur Garcia Herrera, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2012-15 *Additional supervisor* [member of PhD panel], PhD thesis of Jeremiah Plass-Johnson, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany
- 2012-15 *Additional supervisor* [member of PhD panel], PhD thesis of Gunilla Baum, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany
- 2012-15 *Additional supervisor* [member of PhD panel], PhD thesis of Pia Kegler, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany
- 2012-17 *Additional supervisor* [member of PhD panel], PhD thesis of Roger Spranz, Leibniz Center for Tropical Marine Ecology/Jacobs University, Germany
- 2012-15 *Additional supervisor* [member of PhD panel], PhD thesis of Thomas Mann, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany

- 2012-now *Additional supervisor* [member of PhD panel], PhD thesis of Anke Möisinger, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany
- 2012-13 *Additional supervisor* [member of PhD panel], PhD thesis of Szilvi Cseke, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany
- 2012-13 *Supervisor*, MSc thesis of Nicole Herz, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2012-13 *Supervisor*, MSc thesis of Godfrey Fabiani, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2012-13 *Supervisor*, MSc thesis of Ima Kusumanti, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2011-2019 *Additional supervisor* [member of PhD panel], PhD thesis of Maren Kruse, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany
- 2011-15 *Additional supervisor* [member of PhD panel], PhD thesis of Daniella Ferrol-Schulte, Leibniz Center for Tropical Marine Ecology/University of Bremen, Germany
- 2011-15 *Additional supervisor* [member of PhD panel], PhD thesis of Philipp Gorris, Leibniz Center for Tropical Marine Ecology/Jacobs University, Germany
- 2012 *Examiner*, MSc thesis of Bishwajit Kumar Dev, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2011-12 *Supervisor*, MSc thesis of Marisol Beltran Gutierrez, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2011-12 *Supervisor*, MSc thesis of John Sebit Benansio, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2011-12 *Supervisor*, MSc thesis of Nancy Gikonyo, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2011-12 *Co-Supervisor*, Diploma thesis of Jana Holler, Marine Biology, University of Bremen, Germany
- 2010-14 *Supervisor*, MSc thesis of Coen Bosboom, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2010-12 *External Supervisor*, Sarjana 2 thesis (MSc equivalent) of Sainab Husain, Department of Fisheries and Marine Science, Hasanuddin University, Makassar, Indonesia
- 2010-11 *Supervisor*, MSc thesis of Ario Putra, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2009-10 *Supervisor*, MSc thesis of Marielle Dumestre, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2009-10 *Supervisor*, MSc thesis of Liesa-Marlena von Essen, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany
- 2009 *Co-Supervisor*, MSc thesis of Wasistini Baitoningsih, International Studies in Aquatic Tropical Ecology, University of Bremen, Germany

Teaching and training

- 2020 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis)
- 2020 *Lecturer*, ZMT/IOI Winter School "Ocean Governance for Sustainable Marine Ecosystems", Leibniz Centre for Tropical Marine Research, Bremen, Germany (Introduction to Science-Policy Communication)
- 2019/20 *Lecturer*, Coral Reef Ecology, University of Oldenburg, Germany
- 2019 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis)
- 2018/19 *Lecturer*, Coral Reef Ecology, University of Oldenburg, Germany
- 2018 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis)
- 2018 *Lecturer*, Coral Reef Ecology student excursion of the University of Oldenburg, Manado, Indonesia (Coral reef fishes: diversity, function and census methods)
- 2017/18 *Lecturer*, Coral Reef Ecology, University of Oldenburg, Germany
- 2017 *Lecturer*, Tropical Fisheries with International Linkage Program, Sam Ratulangi University, Manado, Indonesia (Coral Reef Fish Ecology)
- 2017 *Lecturer*, Transatlantic Summer Academy on Sustainability, Jacobs University, Bremen, Germany ((Un)sustainable use of tropical coral reefs)
- 2017 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis)
- 2016/17 *Lecturer*, Coral Reef Ecology, University of Oldenburg, Germany
- 2016 *Assistant Instructor*, Research Diver Training, LIPI, Bali/Indonesia

- 2016 *Lecturer*, Science Day at Elementary School Reinbeker Reeder/ReBBZ Bergedorf, Hamburg, Germany (Coral Reef Ecology and Conservation, in German)
- 2016 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis)
- 2015 *Lecturer*, Marine Ecology Summer Training, Center for Coral Reef Research, Hasanuddin University, Makassar, Indonesia (Coral reef fishes: diversity, function and census methods)
- 2015 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis)
- 2014 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis)
- 2014 *Assistant Instructor*, German Scientific Diver Training, ZMT Bremen
- 2013 *Lecturer*, Marine Ecology Summer Training, Center for Coral Reef Research, Hasanuddin University, Makassar, Indonesia (A social-ecological systems approach to coral reef fisheries in Spermonde)
- 2013 *Lecturer*, MPA Summer School of the SUTAS (Sustainable Use of Tropical Aquatic Systems) Graduate School, Leibniz Center for Tropical Marine Ecology, Bremen, Germany (Interdisciplinary approaches for Marine Protected Area research and creation: what role for (tropical) coastal communities?)
- 2013 *Lecturer*, Red Sea Coral Reef Ecology student excursion of the University of Bremen, Dahab, Egypt (Coral reef fishes: diversity, function and census methods)
- 2013 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis)
- 2012 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis; Interdisciplinarity between natural & social sciences in coastal management)
- 2011 *Lecturer*, Red Sea Coral Reef Ecology student excursion of the University of Bremen, Dahab, Egypt (Coral reef fishes: diversity, function and census methods)
- 2011 *Lecturer*, Marine Conservation Workshop, joint workshop of the ISOS and GLOMAR graduate schools, AWI Wadden Sea Station, List/Sylt, Germany (Marine Protected Areas (MPAs) and other forms of marine conservation: what role for (tropical) coastal communities?)
- 2011 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis; Interdisciplinarity between natural & social sciences in coastal management)
- 2010 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Participatory techniques & stakeholder analysis; Interdisciplinarity between natural & social sciences in coastal management)
- 2009 *Lecturer*, DKP/IPB Coastal and Marine Management Sandwich Program, Leibniz Centre for Tropical Marine Ecology, Bremen, Germany (Counteracting degradation of reefs: conservation, management and restoration)
- 2009 *Lecturer*, Marine Ecology Summer Training, Center for Coral Reef Research, Hasanuddin University, Makassar, Indonesia (Social-Ecological Systems and MPA design)
- 2009 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Interdisciplinarity between natural & social sciences in coastal management)
- 2009 *Teaching Assistant*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Introduction to systems analysis)
- 2008 *Lecturer*, International Studies in Tropical Aquatic Ecology (ISATEC), University of Bremen, Germany (Approaches to coastal planning and management)
- 2007 *Trainer*, Workshop on coral farming for villagers, Pulau Badi, Sulawesi, Indonesia, in cooperation with PT Effem Mars
- 2006-07 *Volunteer*, Environmental education for guests of Gangga Island Resort, North Sulawesi, Indonesia
- 2006 *Lecturer*, Short course on coral reef ecology for students from Southern Adventist University, Bunaken, North Sulawesi, Indonesia
- 2001 *Teaching Assistant*, Botany Department, Georg August University, Göttingen, Germany (Taxonomy and identification of plants, including field excursions)

Consulting

- 2016 *Contracted Expert* in PCA Case No. 2013-19: Republic of the Philippines v. People's Republic of China, "Assessment of the potential environmental consequences of construction activities on seven reefs in the Spratly Islands in the South China Sea" (co-authored with Peter Mumby and Selina Ward), Report for the Permanent Court of Arbitration (PCA) in Den Haag

Scholarships and Grants

- 2019 *Research/Training Grant*, "Ecological implications of shifts from hard corals to turf algae in modern turbid reefs" (EU), ESR5 of ITN "Past, Present and Future of Turbid Reefs" (4D-REEF), H2020-MSCA-ITN-2018, Grant No. 813360 (consortium lead Willem Renema), **252,788.4 Euro**
- 2019 *Research Grant*, "The Futures of Reef Services in the Anthropocene – The roles of coral reef fish in carbon cycling of tropical oceans" (BiodivERsA/Belmont Forum/DFG), Project No. 411104315 (lead author Sonia Bejarano), **281,350 Euro**
- 2017 *Research Grant*, "Resilience of Pacific Island coral reef social-ecological systems in times of global change" (BMBF) extension, Grant No. 01LN1303A, **153,401.50 Euro**
- 2017 *Networking Grant*, "University Partnership – Upgrading the MSc course International Master Coral Reef Biodiversity and Conservation at UNSRAT Manado" (DAAD), (lead author Heike Wägele, co-author Hauke Reuter), **201,508 Euro**
- 2014 *Research Grant*, "Contributing to Coral Commons – Assessing multilevel drivers of reef health" (Leibniz Society), Grant No. SAW-2014-ZMT-1 (consortium lead Achim Schlüter), **116,964 Euro**
- 2013 *Research Grant*, "Resilience of Pacific Island coral reef social-ecological systems in times of global change" (BMBF), Grant No. 01LN1303A, **1,205,349 Euro**
- 2013 *Networking Grant*, "PACE-Net Plus" (EU), FP7-INCO-2013-1, Grant No. 609490 (co-authors Kathleen Schwerdtner Máñez and Corinna Harms), **274,615.5 Euro**
- 2012 *Robert Bosch Junior Professorship 'Sustainable Use of Renewable Natural Resources'*, Robert Bosch Foundation, 2nd place
- 2012 *Travel Grant*, German Academic Exchange Service (DAAD), **2,500 Euro**
- 2012 *Research Grant*, SPICE III Topic 3, "The social drivers of coral reef resilience and their social-ecological repercussions" (BMBF), Grant No. 03F0643A (co-authors Marion Glaser and Kathleen Schwerdtner Máñez), **257,210 Euro**
- 2012 *Research Grant*, SPICE III Topic 1, "Impacts of marine pollution on biodiversity and coastal livelihoods" (BMBF), Grant No. 03F0641A (co-authors Marion Glaser and Andreas Kunzmann), **304,573 Euro**
- 2010 *Publication Grant*, History of Marine Animal Populations (HMAP) Project, **1,350 US\$**
- 2009 *Travel Grant*, German Academic Exchange Service (DAAD), **1,400 Euro**
- 2008 *Mentoring Program, Initiative Scientific Journalism*, Robert Bosch Stiftung, Stifterverband für die Deutsche Wissenschaft and BASF, finalist (application withdrawn)
- 2008 *Travel Grant*, Leibniz Center for Tropical Marine Ecology, **1,200 Euro**
- 2005-08 *Doctorate Fellowship*, German National Academic Foundation, **~36,000 Euro**
- 2001-02 *Study Abroad Scholarship*, German National Academic Foundation, **~3,300 Euro**
- 2001-02 *Student Scholarship*, University of California Education Abroad Program, waiver of tuition fee
- 1999-2004 *Scholarship*, German National Academic Foundation

Awards and Appreciations

- 2006 *Young Scientist Award*, best poster presentation, International Society for Reef Studies (ISRS), European Meeting, Bremen
- 1998 *Award*, Hamburg chapter of the Society of German School Geographers (VDSG), for an exceptional Abitur examination in geography (topic: The sinking of water masses in the Northern Polar Sea and its influence on global climate)
- 1998 *Hans-Henny-Jahn Award*, Gymnasium Kaiser-Friedrich-Ufer, Hamburg, Germany for several years of committed work as student president and member of the school conference

Further Qualifications

- 2018 Special training in presentation skills, public relations, coaching and conflict management, offstandards GmbH
- 2017 Special training in team dynamics and management, offstandards GmbH
- 2016 Training course "Advances in Spatial Analysis of Multivariate Ecological Data" by Pierre Legendre and Olivier Gauthier, PR Statistics, Scotland
- 2014 Special training in communication and conflict management, ISAS/ZWM
- 2014 Training as Dive Mission Leader (certified in 2017)
- 2013 European Scientific Diver (ESD)
- 2008 Training course 'Socio-Economic and Institutional Dimensions of Global Change in the Marine Realm', MARUM/University of Bremen
- 2008 Special training in efficient lecturing, didactics and presentation design during the course 'presenting science', MARUM/University of Bremen
- 2008 Special training in project planning, supervision and execution during the course 'project management', MARUM/University of Bremen
- 2007 Open Water SCUBA Instructor (PADI)
- 2007 Emergency First Response Instructor
- 2002 Research Diving Certification, American Association of Underwater Scientists (AAUS), University of California, Santa Barbara, USA
- Computer skills: use of Word, Excel, PowerPoint, Adobe Photoshop, Adobe Illustrator, CorelDraw, SketchUp, SigmaPlot, PRIMER, SPSS, Statistika, JMP, R, ArcGIS

Symposia, Workshops and Conferences

- 1st Marine Regions Forum, Berlin, Germany, 30. September – 2. October 2019
- 10th MARE People and the Sea Conference, Amsterdam, Netherlands, 24-28. June 2019
- CAPTURE Colloquium, Bremen, Germany, 1-2. November 2018
- YOUMARES 9. Conference for young marine researchers. Oldenburg, Germany, 11-14. September 2018
- 14. Tagung der Gesellschaft für Ichthyology, Bonn, Germany, 24. November 2017
- European Coral Reef Symposium (ECRS) 2017, Oxford, UK, 13-15. December 2017
- 10th International KFT-Symposium, Bremerhaven, Germany, 1-3. November 2017 (co-organizer; co-chair of one session)
- 10th Indo-Pacific Fish Conference, Papeete, Tahiti, French Polynesia, 2-6. October 2017
- 13th International Coral Reef Symposium, Honolulu, HI, USA, 19-24. June 2016 (co-chair of two sessions)
- Science for the Protection of Indonesian Coastal Marine Ecosystems (SPICE) Final Conference, Udayana University, Denpasar, Indonesia, 20-21. January 2016
- Small Islands Research in Tropical Regions (SIRTRE): The Spermonde Archipelago and other Case Studies, Hasanuddin University (UNHAS), Makassar, Indonesia, 15-16. September 2015
- PACE-Net+ Bi-regional Platform, Brussels, Belgium, 23-24. June 2015
- 5th Coral Reef Ecology Symposium, Leibniz Center for Tropical Marine Ecology (ZMT), Bremen, Germany, 22. May 2015 (organizer)
- Reef Conservation UK Symposium, Zoological Society London (ZSL), UK, 06. December 2014
- PACE-Net+ Conference 'Coastal ecosystem disturbances, fish and shellfish poisoning and their socio-economic implications', Noumea, New Caledonia, 18-20. November 2014
- PACE-Net+ Key Stakeholder Conference, Bremen, Germany, 9-11. September 2014 (organizer)
- 4th COral Reef Ecology (CORE) Symposium, Leibniz Center for Tropical Marine Ecology (ZMT), Bremen, Germany, 13. June 2014
- 'Climate Change, Marine Life, and Livelihoods in the Center of the Coral Triangle', International Conference, Faculty of Marine Science and Fisheries, Hasanuddin University, Makassar, Indonesia, 10-11. September 2013
- 7th Meeting of the European Association of South East Asian Studies, Lisbon, Portugal, 2-5. July 2013

- 12th International Coral Reef Symposium, Cairns, Australia, 9-13. July 2012
- Study Group on Socio-Economic Dimensions of Aquaculture (SGSA) Annual Meeting, Beijer Institute for Ecological Economics, Stockholm, Sweden, 23-26. April 2012
- PACE-Net Key Stakeholder Conference, Brussels, Belgium, 20-23. March 2012
- YOUMARES 2.0. Oceans amidst science, innovation and society. 2nd Young Marine Research network meeting. Session chair "Living with the sea: Coastal livelihoods and management". Bremerhaven, Germany, 07-09. September 2011
- Marine Conservation Workshop, joint workshop of the ISOS and GLOMAR graduate schools, AWI Wadden Sea Station, List/Sylt, Germany, 19-21. August 2011
- Study Group on Socio-Economic Dimensions of Aquaculture (SGSA) Annual Meeting, Leibniz Center for Tropical Marine Ecology (ZMT), Bremen, Germany, 12-14. April 2011
- Resilience 2011. Resilience, Innovation and Sustainability: Navigating the Complexities of Global Change. Second International Science and Policy Conference, Tempe, AZ, USA, 11-16. March 2011
- 2010 European Meeting of the International Society for Reef Studies (ISRS), Wageningen, The Netherlands, 13-17. December 2010
- 11th Biennial Conference of the International Society for Ecological Economics (ISEE): 'Advancing Sustainability in a Time of Crisis', Oldenburg & Bremen, Germany, 22-25. August 2010
- International Seminar on Small Islands and Coral Reef Management, Ambon, Indonesia, 04-06. August 2010
- *Young* marine research: Diversity and similarities. 1. German Young Marine Scientist Meeting, ZMAW Hamburg, Germany, 12. June 2010
- International SPICE Workshop "Developing theory and supporting policy through multi-level socio-ecological analysis in the context of coastal and marine resources governance", Bogor, Indonesia, 14-15. April 2010
- 12. Fish International, Bremen, Germany, 21-23. February 2010
- 'Building Indonesia's status as a maritime continent', Seminar at Hasanuddin University, Makassar, Indonesia, 12. January 2010
- International Ocean, Science and Policy Symposium at the World Ocean Conference 2009, Manado, Indonesia, 12-14. May 2009
- 3rd Coral Reef Ecology (CORE) working group Mini Symposium, Munich, Germany, 04. May 2009
- 11th International Coral Reef Symposium, Fort Lauderdale, Florida, USA, 07-11. July 2008
- Sustainable Mariculture Meeting & Workshop, Makassar, Indonesia, 27-30. November 2007
- 1st International Symposium for Occupational Scientific Diving, AWI, Bremerhaven, Germany, 15-16. October 2007
- SPICE/LOICZ/ATSEF/SEACORM (SLAS) Southeast Asia Coastal Governance and Management Forum: Science Meets Policy for Coastal Management and Capacity Building, Bali, Indonesia, 14-16. November 2006
- International Society for Reef Studies European Meeting 2006, Bremen, Germany, 19-22. September 2006
- International Workshop-cum-Training Course on Coastal Ecosystem: Hazards Management and Rehabilitation, UNSOED, Purwokerto, Indonesia, 08-17. August 2006
- 3rd BioRock Workshop, Bali, Indonesia, 21-28. November 2005
- 7. Internationales Meerwasser-Symposium, Lünen, Germany, 11-13. March 2005
- Coral Reef Conservation Symposium, Zoological Society London (ZSL), UK, 16-17. December 2004

Languages

	German	English	French	Indonesian
• Reading skills	excellent	excellent	proficient	proficient
• Writing skills	excellent	excellent	adequate	adequate
• Verbal skills	excellent	excellent	adequate	proficient

Memberships and boards

- Coordination Committee of the Lagoons for Life Network
- Advisory Board of the EU H2020 project CERTO (grant # 870349)
- Scientific Steering Committee of the 2020 Our Coastal Futures Conference
- Scientific Steering Committee of the 2020 EuroLag9 Conference
- Technical Advisory Panel of the Ocean Acidification Africa Network
- NCEAS/Future Earth PEGASuS Working Group “Managing Ocean Change and Food Security: Palau’s National Marine Sanctuary” (2019)
- Organizational committee of the 2020 International Coral Reef Symposium (ICRS)
- Scientific Council of the ZMT (2012-2018, from 2015 as head of the council)
- Gesellschaft für Ichthyologie e.V. (Gfi)
- International Society for Reef Studies
- International Society for Ecological Economics
- Deutsche Gesellschaft für Meeresforschung (DGM)
- ICES Working Group on Socio-Economic Dimensions of Aquaculture (WGSA)
- World-Wide Fund for Nature (WWF) Indonesia
- Professional Association of Dive Instructors (PADI)
- Alumni der Studienstiftung e.V.

Reviewing and Evaluation

Scientific publications

Reviewer for Agronomy for Sustainable Development, AMBIO, Aquaculture, Aquatic Biology, Aquatic Conservation: Marine and Freshwater Ecosystems, Bulletin of Marine Science, Climatic Change, Coastal Management, Conservation Letters, Coral Reefs, Ecological Engineering, Ecology and Society, Environmental Conservation, Environmental Development, Frontiers in Marine Science, Global Environmental Change, ICES Journal of Marine Science, Journal of Ecology, Journal of Experimental Marine Biology and Ecology, Journal of Marine Science and Engineering, Journal of the Marine Biological Association of the United Kingdom, Marine Biology, Marine Policy, Marine Pollution Bulletin, Nature Ecology & Evolution, Nature Sustainability, Ocean & Coastal Management, Oceanologia, Pacific Science, PeerJ, PLoS ONE, Regional Environmental Change, Restoration Ecology, Science of the Total Environment, Scientific Reports, SHIMA, Sustainability

Member of the Editorial Boards of PLoS ONE and Coastal Management

Grant and funding evaluation

Studienstiftung des deutschen Volkes (German National Academic Foundation)

National Geographic Society

DAAD (German Academic Exchange Service)

Publications

Peer-reviewed journals

- [66] Ford A., J.-B. Jouffray, A. Norström, B.R. Moore, M.M. Nugues, G. Williams, S. Bejarano, F. Magron, C. Wild & S.C.A. **Ferse** (2020): Local human impacts disrupt relationships between benthic reef assemblages and environmental predictors. *Frontiers in Marine Science* 7:794. doi:10.3389/fmars.2020.571115.
- [65] Aswani* S., S.C.A. **Ferse***, M. Stäbler & C. Chong-Montenegro (2020): Detecting change in local ecological knowledge: an application of an index of taxonomic distinctness to an ethnoichthyological classification in the Solomon Islands. *Ecological Indicators* 119:106865. doi:10.1016/j.ecolind.2020.106865. (*shared first authorship)
- [64] Cinner J.E., J. Zamborain-Mason, G.G. Gurney, N.A.J. Graham, M.A. MacNeil, A.S. Hoey, C. Mora, S. Villéger, E. Maire, T.R. McClanahan, J.M. Maina, J.N. Kittinger, C.C. Hicks, S. D’agata, C. Huchery, M.L. Barnes, D.A. Feary, I.D. Williams, M. Kulbicki, L. Vigliola, L. Wantiez, G.J. Edgar, R.D. Stuart-Smith, S.A. Sandin, A.L. Green, M. Beger, A.M. Friedlander, S.K. Wilson, E. Brokovich, A.J. Brooks, J.J. Cruz-Motta, D.J. Booth, P.

- Chabanet, M. Tupper, S.C.A. **Ferse**, U.R. Sumaila, M.J. Hardt & D. Mouillot (2020): Meeting fisheries, ecosystem function, and biodiversity goals in a human dominated world. *Science* 368(6488):307-311. doi:10.1126/science.aax9412.
- [63] Prinz N., R. Story, S. Lyon, S.C.A. **Ferse*** & S. Bejarano* (2020): To feed or not to feed? Coral reef fish responses to artificial feeding and stakeholder perceptions in the Aitutaki Lagoon, Cook Islands. *Frontiers in Marine Science* 7:145. doi:10.3389/fmars.2020.00145. (*shared senior authorship)
- [62] Boström-Einarsson L., R.C. Babcock, E. Bayraktarov, D. Ceccarelli, N. Cook, S.C.A. **Ferse**, B. Hancock, P. Harrison, M. Hein, E. Shaver, A. Smith, D. Suggett, P.J. Stewart-Sinclair, T. Vardi & I.M. McLeod (2020): Coral restoration – A systematic review of current methods, successes, failures and future directions. *PLoS ONE* 15(1):e0226631. doi:10.1371/journal.pone.0226631.
- [61] Schlüter A., C. Vance & S.C.A. **Ferse** (2020): Coral reefs and the slow emergence of institutional structures for a global land- and sea-based collective dilemma. *Marine Policy* 112:103505. doi:10.1016/j.marpol.2019.04.009.
- [60] Bejarano S., S. Pardede, S.J. Campbell, A. Hoey & S.C.A. **Ferse** (2019): Herbivorous fish rise as a destructive fishing practice falls in an Indonesian marine national park. *Ecological Applications* 29(8):e01981. doi:10.1002/eap.1981.
- [59] McAndrews R.S., A. Eich, A.K. Ford, S. Bejarano, R.R. Lal & S.C.A. **Ferse** (2019): Algae sediment dynamics are mediated by herbivorous fishes on a nearshore coral reef. *Coral Reefs* 38(3):431-441. doi:10.1007/s00338-019-01780-1.
- [58] Sánchez-Caballero C.A., J.M. Borges-Souza & S.C.A. **Ferse** (2019): Rocky reef fish community composition remains stable throughout seasons and El Niño/La Niña events in the southern Gulf of California. *Journal of Sea Research* 146:55-62. doi:10.1016/j.seares.2019.01.008.
- [57] Eich A., A.K. Ford, M. Nugues, R.S. McAndrews, C. Wild & S.C.A. **Ferse** (2019): Positive association between epiphytes and competitiveness of the brown algal genus *Lobophora* against corals. *PeerJ* 7:e6380. doi:10.7717/peerj.6380.
- [56] Gouraguine A., J. Moranta, A. Ruiz-Frau, H. Hinz, O. Reñones, S.C.A. **Ferse**, J. Jompa & D.J. Smith (2019): Citizen science in data and resource-limited areas: a tool to detect long-term ecosystem changes. *PLoS ONE* 14(1):e0210007. doi:10.1371/journal.pone.0210007.
- [55] Rohe J.R., A. Schlüter, H. Govan & S.C.A. **Ferse** (2019): A legal pluralism perspective on coastal fisheries governance in two Pacific Island countries. *Marine Policy* 100:90-97. doi:10.1016/j.marpol.2018.11.020.
- [54] Rohe J.R., A. Schlüter & S.C.A. **Ferse** (2018): A gender lens on women's harvesting activities and interactions with local marine governance in a South Pacific fishing community. *Maritime Studies* 17:155-162. doi:10.1007/s40152-018-0106-8.
- [53] Maire E., S. Villéger, N.A.J. Graham, A.S. Hoey, J. Cinner, S.C.A. **Ferse**, C. Aliaume, D.J. Booth, D.A. Feary, M. Kulbicki, S.A. Sandin, L. Vigliola & D. Mouillot (2018): Community-wide scan identifies fish species associated with coral reef services across the Indo-Pacific. *Proceedings of the Royal Society B* 285:20181167. doi:10.1098/rspb.2018.1167.
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- [51] Lee S., A.K. Ford, S. Mangubhai, C. Wild & S.C.A. **Ferse** (2018): Effects of sandfish (*Holothuria scabra*) removal on shallow-water sediments in Fiji. *PeerJ* 6:e4773. doi:10.7717/peerj.4773.
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- [47] Plass-Johnson J.G., V.N. Bednarz, J. Hill, J. Jompa, S.C.A. **Ferse** & M. Teichberg (2018): Contrasting responses in the niches of two coral reef herbivores along a gradient of habitat disturbance in the Spermonde Archipelago, Indonesia. *Frontiers in Marine Science* 5:32. doi:10.3389/fmars.2018.00032.
- [46] Ford A.K., S. Bejarano, M.M. Nugues, P.M. Visser, S. Albert & S.C.A. **Ferse** (2018): Reefs under siege – the rise, putative drivers and consequences of benthic cyanobacterial mats. *Frontiers in Marine Science* 5:18. doi:10.3389/fmars.2018.00018.
- [45] Gauff R.P.M., S. Bejarano, H.H. Madduppa, B. Subhan, E.M.A. Dugény, Y.A. Perdana & S.C.A. **Ferse** (2018): Influence of predation risk on the sheltering behaviour of the coral-dwelling damselfish, *Pomacentrus moluccensis*. *Environmental Biology of Fishes* 101(4):639-651. doi:10.1007/s10641-018-0725-3.
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- [40] Kegler P., H.F. Kegler, A. Gärdes, S.C.A. **Ferse**, M. Lukman, C. Hassenrück, Y.R. Alfiansah & A. Kunzmann (2017): Bacterial biofilm communities and coral larvae settlement at different levels of anthropogenic impact in the Spermonde Archipelago, Indonesia. *Frontiers in Marine Science* 4:270. doi:10.3389/fmars.2017.00270.
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- [36] Casella E., A. Collin, D. Harris, S.C.A. **Ferse**, S. Bejarano, V. Parravicini, J.L. Hench & A. Rovere (2017): Mapping coral reefs using consumer-grade drones and structure from motion photogrammetry techniques. *Coral Reefs* 36(1):269-275. doi:10.1007/s00338-016-1522-0.
- [35] Baum G., I. Januar, S.C.A. **Ferse**, C. Wild & A. Kunzmann (2016): Abundance and physiology of dominant soft corals linked to water quality in Jakarta Bay, Indonesia. *PeerJ* 4:e2625. doi:10.7717/peerj.2625.
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- [15] Ferrol-Schulte D., M. Wolff, S.C.A. **Ferse** & M. Glaser (2013): Sustainable Livelihoods Approach in tropical coastal and marine social-ecological systems: a review. *Marine Policy* 42: 253-258. doi:10.1016/j.marpol.2013.03.007.
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- Glaser M., S.C.A. **Ferse**, P. Christie, K. Diele, L. Dsikowitzky, I. Nordhaus, A. Schlüter, K. Schwerdtner Máñez & C. Wild (in press): Measuring and understanding sustainability-

- enhancing processes in tropical coastal and marine social–ecological systems. In: B. Glaeser & M. Glaser (eds.) *Coastal Management Revisited. Navigating Towards Sustainable Human-Nature Relations*. Elsevier, Amsterdam, The Netherlands.
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- Lee S., S.C.A. **Ferse**, A. Ford, C. Wild & S. Mangubhai (2017): Effect of sea cucumber density on the health of reef-flat sediments. In: S. Mangubhai, W. Lalavanua & S.W. Purcell (eds.) *Fiji's Sea Cucumber Fishery: Advances in Science for Improved Management*. Wildlife Conservation Society. Report No. 01/17. Suva, Fiji. pp. 54–61.
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- Cakacaka A., S.C.A. **Ferse**, A. Breckwoldt & M. Glaser (2016): Livelihood vulnerability of coastal communities to changes in marine resource use: case study of Fiji and Solomon Islands. 13th International Coral Reef Symposium, Honolulu, Hawai'i, USA, 20-24. June 2016. Book of Abstracts: 47.
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- McAndrews R.S., S. Bejarano, A.K. Ford, A. Eich & S.C.A. **Ferse** (2016): Plasticity of herbivorous fish function in response to fisheries and water quality in Fiji. 13th International Coral Reef Symposium, Honolulu, Hawai'i, USA, 20-24. June 2016. Book of Abstracts: 218.
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- Teichberg M., J.G. Plass-Johnson, H. Schwieder, V. Bednarz, J. Heiden, A. Gärdes, S.C.A. **Ferse**, M. Lukman & C. Wild (2015): Linkages between water quality and coral reef benthic and pelagic communities along a nearshore to offshore gradient in the Spermonde Archipelago, Indonesia. SIRTRE 2015: Small Islands Research in Tropical Regions – The Spermonde Archipelago and other Case Studies. 15-16. September 2015, Hasanuddin University, Makassar, Indonesia. Book of Abstracts: 49.
- Bejarano Chavarro S., G. Roff, A. Marshall, I. Chollet-Ordaz, J.-B. Jouffray, R. Steneck, S.C.A. **Ferse** & P. Mumby (2014): Wave exposure a bidirectional force structuring herbivorous fish communities. Reef Conservation UK 2014, 6. December 2014, London, UK. Book of Abstracts: 2.
- Schwerdtner Mañez K. & S.C.A. **Ferse** (2013): A window into the past – the role of historical material in reconstructing marine resource use over time. 7th Meeting of the European Association of South East Asian Studies, 2-5. July 2013, Lisbon, Portugal. Book of Abstracts: 366.
- Deswandi R., M. Glaser & S.C.A. **Ferse** (2012): What makes a Social System Resilient? Two Fishing Communities in Indonesia. In A.-K. Hornidge & C. Antweiler (eds.) Environmental Uncertainty and Local Knowledge. Southeast Asia as a Laboratory of Global Ecological Change. transcript Verlag, Bielefeld. pp. 243-272.
- Ferse** S.C.A., M. Glaser, C. Schultz & J. Jompa (2012): Linking research to Indonesia's CTI Action Plan: the SPICE Program. *Proceedings of the 12th International Coral Reef Symposium, 9-13 July 2012, Cairns, Australia.* 17A-1.
- Glaser M., W. Baitoningsih, S.C.A. **Ferse**, M. Neil & R. Deswandi (2012): Whose sustainability? Top-down participation in MPA management in Indonesia. *Proceedings of the 12th International Coral Reef Symposium, 9-13 July 2012, Cairns, Australia.* 22A-2.
- Nugues M. & S.C.A. **Ferse** (2011): Maßnahmen zum Schutz von Korallenriffen. Chapter 5.5 in J.L. Lozán, H. Graßl, L. Karbe & K. Reise (eds.) Warnsignal Klima: Die Meere – Änderungen und Risiken. Wissenschaftliche Auswertungen, Hamburg. pp. 330-336. [in German]
- Ferse** S.C.A., L. Knittweis, A. Maddusila, M. Glaser & G. Krause (2010): Livelihood diversity of ornamental fishermen and implications for management in South Sulawesi/Indonesia. In J. Kaandorp, E. Meesters, R. Osinga, J. Verreth & T. Wijgerde (eds.) Euro ISRS Symposium 2010. Reefs in a changing environment. 13-17. December, Wageningen, The Netherlands. Book of Abstracts: 146.

- Glaser M. & S.C.A. **Ferse** (2010): Towards a strong basis for coastal conservation: building upon emergent rules and institutions to increase management effectiveness. In J. Kaandorp, E. Meesters, R. Osinga, J. Verreth & T. Wijgerde (eds.) Euro ISRS Symposium 2010. Reefs in a changing environment. 13-17. December, Wageningen, The Netherlands. Book of Abstracts: 142.
- Ferse** S.C.A., K. Schwerdtner Mánéz & A. Kunzmann (2010): Gems of the sea – Assessing the economic potential of ornamental coral reef fishes. Advancing Sustainability in a Time of Crisis. ISEE Conference, 22-25. August 2010, Oldenburg, Germany. Programme and Abstracts: 131.
- Ferse** S.C.A. (2009): Multivariate responses of the coral reef fish community to artificial structures and coral transplants. *Proceedings of the 11th International Coral Reef Symposium, 6-11 July 2008, Fort Lauderdale, FL, Vol. II*: 1230-1234.
- Ferse** S.C.A. (2008): Artificial Reefs and Coral Transplantation. Fish Community Responses and Effects on Coral Recruitment in North Sulawesi/Indonesia. VDM Verlag Dr. Müller, Saarbrücken, Germany. 244 p.
- Ferse** S.C.A. (2008): Reef rehabilitation and natural recovery: does transplantation of coral fragments increase natural recruitment? 11th International Coral Reef Symposium, 6-11 July 2008, Fort Lauderdale, FL. Abstracts: 531.
- Ferse** S.C.A. & S.B.C. Romatzki (2006): Effects of an electric field on the growth and survival of two *Acropora* species. ISRS European Meeting, 19-22 September 2006, Bremen. Programme and Abstracts: 279.
- Ferse** S.C.A. (2006): Coral transplantation increases fish abundance and diversity on artificial reefs. ISRS European Meeting, 19-22 September 2006, Bremen. Programme and Abstracts: 278.
- Ferse** S.C.A. (2004): Growing corals in an ocean-based nursery: The use of cages. MSc Thesis, Zentrum für Marine Tropenökologie (ZMT), Universität Bremen. 64 p.

Other publications

- Ferse** S.C.A. & J.E. Cinner (2020): Managing for multiple functions of coral reefs. *ECO magazine Coral Reefs special issue*: 56-59.
- Ferse** S.C.A., S. Bejarano, A. Cakacaka, A. Ford & J. Rohe (2020): Wissenschaftlicher Abschlussbericht für das Vorhaben REPICORE - Resilienz von sozial-ökologischen Korallenriffsystemen pazifischer Inseln in Zeiten globalen Wandels, FK 01LN1303A. Leibniz Centre for Tropical Marine Research (ZMT), Bremen, Germany. 217 p. [in German]
- Lee S., A. Ford, S. Mangubhai, C. Wild & S.C.A. **Ferse** (2018): Length-weight relationship, movement rates, and in situ spawning observations of *Holothuria scabra* (sandfish) in Fiji. *SPC Bêche-de-mer Information Bulletin* 38:11-14.
- Herz N., S.C.A. **Ferse**, Y.R. Alfiansah & A. Kunzmann (2016): High-performance liquid chromatography to detect thiocyanate in reef fish caught with cyanide: A practical field application. *SPC Live Reef Fish Information Bulletin* 21:8-16.
- UN (2015): Global Sustainable Development Report, 2015 Edition. **Contributor** to Chapter 3 (The Oceans, Seas, Marine Resources and Human Well-being Nexus).
- Ferse** S.C.A. (2014): Fischerpaten und Seegurken – komplexe Mensch-Natur-Beziehungen im indonesischen Archipel. *KITA, das Magazin der deutsch-indonesischen Gesellschaft* 23(2): 24-29. [in German]
- Bell J., M. Batty, P. Lehodey, K. Brander, S.C.A. **Ferse**, J.E. Rogier & G. Rücker (2012): Climate Change, Fisheries and Aquaculture in the Pacific. PACE-NET Key Stakeholder Conference 'Strengthening Pacific-European Collaboration in Research, Development and Innovation', Brussels, 20-23 March 2012. Policy Brief #4, Working Draft, July 2012. 24 p.
- Ferse** S.C.A., H. Asmus, D. Kneer, M. Kochzius, Y. Sawall, S. Schiel & M. Schulz (2011): Wissenschaftlicher Abschlussbericht für das Vorhaben Dynamik und wechselseitige Verknüpfung der Prozesse in Korallenriffen, tropischen Seegrasswiesen und der Wassersäule. Science for the Protection of Indonesian Coastal Ecosystems Phase II, Cluster 1: Coral-Reef Based Ecosystems and Resources, FK 03F0472A-C. Leibniz-Center for Tropical Marine Ecology (ZMT), Bremen, Germany. 241 p. [in German]
- Glaser M., S.C.A. **Ferse**, M. Flitner, G. Krause, M. Lukas, & K. Schwerdtner Mánéz (2011): Wissenschaftlicher Abschlussbericht für das Vorhaben SPICE II, Cluster 6: Governance and Management sozial-ökologischer Küstensysteme, FK 03F0474A. Leibniz-Center for Tropical Marine Ecology (ZMT), Bremen, Germany. 92 p. [in German]
- Schwerdtner Mánéz K, M. Glaser, S.C.A. **Ferse**, H. Wiederhold, H. Sulzbacher (2011): Danger from below: Groundwater protection on small islands- its importance must not be

- underestimated. In: *Water – Beware!* Zwischenruf 1/2011. Leibniz-Gemeinschaft e.V., Berlin, Germany: 42-46.
- Ferse** S.C.A. (2011): Regenwälder der Meere. Sozioökonomische Ansätze zur Rettung indonesischer Korallenriffe. *labor&more* 1.11: 44-47. [in German]
- Glaser M., S.C.A. **Ferse** & K. Schwerdtner Máñez (2009): Wissenschaftlicher Zwischenbericht 2008 für das Vorhaben SPICE II, Cluster 6: Governance und Management sozial-ökologischer Küstensysteme, FK 03F0474A. Leibniz-Center for Tropical Marine Ecology (ZMT), Bremen, Germany. 32 p. [in German]
- Ferse** S.C.A. (2008): Electrifying North Sulawesi. *X-ray mag* 24: 38-43.
- Ferse** S.C.A. (2006): Coral growth. *What's Happening* 11(1): 3-5.

Oral Presentations

- Ferse** S.C.A. Indonesian coral reef fisheries. State and challenges for management. Invited presentation. 1st International and National Symposium on Aquatic Environment and Fisheries (INSAEF) 2020, Marine and Fisheries Faculty, Syiah Kuala University, Banda Aceh, Indonesia, 24. September 2020
- Ferse** S.C.A. Future Earth Coasts. An introduction to FEC and policy communication. Invited presentation. ZMT/IOI Winter School on Ocean Governance for Sustainable Marine Ecosystems, Leibniz Centre for Tropical Marine Research, Bremen, Germany, 17. February 2020
- Ferse** S.C.A. Menschen und Riffe [in German]. Invited presentation. Wissen um 11, Haus der Wissenschaft, Bremen, Germany, 08. February 2020
- Ferse** S.C.A. Menschen und Riffe [in German]. Invited presentation. Wissenswerte 2019, Bremen, Germany, 26. November 2019
- Ferse** S.C.A. Die aktuelle Krise der Riffe und der Mensch [in German]. Invited presentation as part of training event for high school teachers organized by Landesinstitut für Schule Bremen. Überseemuseum, Bremen, Germany, 30. October 2019
- Ferse** S.C.A. Future Earth Coasts. Land-ocean interactions in the coastal zone. Leibniz Centre for Tropical Marine Research, Bremen, Germany, 23. October 2019
- Ferse** S.C.A. Diversity, function and resilience in tropical marine communities. Invited presentation. ICBM Colloquium, Carl von Ossietzky University Oldenburg, Germany, 03. July 2019
- Cakacaka A., M. Glaser & S.C.A. **Ferse**. Adaptive Capacity of Fijian and Solomon Islands Coastal Communities faced with Changes in Marine Resource Availability and Climate Change. 10th MARE People and the Sea conference, Amsterdam, Netherlands, 26. June 2019
- Ferse** S.C.A. Invited panel discussion member at the DEEPWAVE Film Festival, Lichtmess, Hamburg, Germany, 24. May 2019
- Ferse** S.C.A. Nachhaltigkeit und lokale Bedeutung der Aquarienfischerei. Das Beispiel Indonesien [in German]. Invited presentation. 4. Klimahaus-Kongress "Meerwasser-Aquaristik", Bremerhaven, Germany, 28. April 2019
- Ferse** S.C.A. Diversity, function and resilience in tropical marine communities. Invited presentation. Ecological Seminar, Department of Biology and Chemistry, University Bremen, 12. December 2018
- Ferse** S.C.A. Restoring coral reefs in the 21st century. Invited plenary presentation. CAPTURE Colloquium, Bremen, Germany, 02. November 2018
- Ferse** S.C.A. Invited speaker at the screening of "Chasing coral", Ozeaneum Warnemünde, Germany, 02. October 2018
- Ferse** S.C.A. The future is now: anthropogenic impacts are reshaping coral reef ecosystems. Invited presentation. YOUMARES 9. Conference for young marine researchers. Oldenburg, Germany, 12. September 2018
- Ferse** S.C.A. People and Reefs: linking artisanal fisheries to coastal ecosystems in the tropical Asia-Pacific region. Invited presentation. University of Bonn, Germany, 16. July 2018
- Ferse** S.C.A. Coral reefs at the crossroads – global stressors and local solutions. Invited presentation. University of Hohenheim, Germany, 23. April 2018
- Ferse** S.C.A. Fish herbivory on coral reefs – nuances of an important ecological function. Invited plenary presentation. 14. Tagung der Gesellschaft für Ichthyologie, Bonn, Germany, 24. November 2017
- Ford A.K., S. Bröhl & S.C.A. **Ferse**. Underwater methods in reef research. 10th International KFT-Symposium, Bremerhaven, Germany, 03. November 2017

- Ferse** S.C.A. Coral reef restoration in the 21st century. Invited presentation. Ocean Science Colloquium, University of Bremen, Germany, 25. October 2017
- Ferse** S.C.A., R. Gauff, S. Bejarano & N. García Herrera. Coral-damsel mutualism: effects on photosynthesis and links to predation risk. 10th Indo-Pacific Fish Conference, Papeete, Tahiti, French Polynesia, 03. October 2017
- Ferse** S.C.A. Indonesian coral reef fisheries. State and challenges for management. Invited presentation. International Workshop on Tropical Fisheries in a Changing World, ZMT Bremen, Germany, 07. February 2017
- Ferse** S.C.A. Weiße Weihnachten unter Wasser: Die dritte globale Korallenbleiche und ihre Folgen [invited public lecture, in German]. Haus der Wissenschaft, Bremen, Germany, 03. December 2016
- Plass-Johnson J.G., M.H. Taylor, A.A.A. Husain, M.C. Teichberg & S.C.A. **Ferse**. Non-random variability in functional composition of coral reef fish communities along an environmental gradient. Science for the Protection of Indonesian Coastal Marine Ecosystems (SPICE) Final Conference, Udayana University, Denpasar, Indonesia, 21. January 2016
- Ferse** S.C.A. Small islands as model systems for social-ecological studies. Invited presentation. EMBRIO field convention, LIPI field station, Pari Island, Indonesia, 05. October 2015
- Ferse** S.C.A. Coral reef fish surveys. Marine Ecology Summer Training, Hasanuddin University, Makassar, Indonesia, 21. September 2015
- Ford A.K., N. Van Hoytema, B. Moore, L. Pandihau, C. Wild & S.C.A. **Ferse**. Sedimentary oxygen consumption rates indicate local anthropogenic organic matter input drives coral reef community shifts. SIRTRE 2015: Small Islands Research in Tropical Regions – The Spermonde Archipelago and other Case Studies. Hasanuddin University, Makassar, Indonesia, 16. September 2015
- Ferse** S.C.A. A social-ecological systems approach to coral reef fisheries in Spermonde. Marine Ecology Special Training. Hasanuddin University, Makassar, Indonesia, 13. September 2013
- Ferse** S.C.A., M. Glaser, M. Neil & K. Schwerdtner Mañez. Resilient communities in an unsustainable system? Coping strategies and social-ecological traps in the Spermonde coral reefs fishery. Invited plenary presentation. International Conference on Climate Change, Marine Life, and Livelihoods in the Center of the Coral Triangle. Hasanuddin University, Makassar, Indonesia, 11. September 2013
- Ferse** S.C.A. Interdisciplinary approaches for Marine Protected Area research and creation: what role for (tropical) coastal communities? SUTAS Summer School on Marine Protected Areas, ZMT, Bremen, Germany, 26. August 2013
- Ferse** S.C.A., M. Glaser, M. Neil & K. Schwerdtner Mañez. Resilient communities in an unsustainable system? Coping strategies and social-ecological traps in the Spermonde coral reefs fishery. 7th Meeting of the European Association of South East Asian Studies, Lisbon, Portugal, 04. July 2013
- Ferse** S.C.A. An interdisciplinary approach to coastal issues: coral reef fisheries in Spermonde. Marine Ecology Summer Training, Hasanuddin University, Makassar, Indonesia, 26. September 2012
- Ferse** S.C.A. Marine Protected Areas and other forms of marine conservation: what role for (tropical) coastal communities? Invited presentation. ISOS/GLOMAR Marine Conservation Workshop, AWI Wadden Sea Station, List/Sylt, Germany, 21. August 2011
- Ferse** S.C.A. Fische im Strom: Was Ernährung, Strom und Kunst mit Fischen zu tun haben [invited public presentation at opening ceremony of art exhibition, in German]. Atelierhaus Roter Hahn, Bremen, Germany, 08. April 2011
- Ferse** S.C.A., G. Krause, M. Glaser, I. Radjawali, R. Deswandi & L. Knittweis. Global markets, local livelihoods – the marine ornamental fishery in South Sulawesi/Indonesia at the interface of international and regional drivers. Resilience 2011. Second International Science and Policy Conference, Tempe, AZ, USA, 15. March 2011
- Ferse** S.C.A. Riffvielfalt: Erhaltung und Nutzung. Projekte zur Restauration und nachhaltigen Nutzung von Korallenriffen in Indonesien [invited public lecture organized by the University of Bremen, in German]. Überseemuseum, Bremen, Germany, 07. February 2011
- Ferse** S.C.A., L. Knittweis, A. Maddusila, G. Krause & M. Glaser. Livelihood diversity of ornamental fishermen - implications for management of an emergent fishery in South Sulawesi/Indonesia. 2010 European Meeting of the International Society for Reef Studies, Wageningen, The Netherlands, 15. December 2010
- Ferse** S.C.A., K. Schwerdtner Mañez & A. Kunzmann. Gems of the sea – Assessing the economic potential of ornamental coral reef fishes. 11th Biennial ISEE Conference, Oldenburg, Germany, 24. August 2010

- Ferse** S.C.A., M. Glaser, I. Radjawali & B. Glaeser. "Nested" community participation in hierarchical societies? Lessons for social-ecological research and management. International Seminar on Small Islands and Coral Reef Management, Ambon, Indonesia, 05. August 2010
- Ferse** S.C.A. Untying the Gordian Knot? Challenges and approaches in marine coastal resource management and research in Indonesia. Keynote at *Young* marine research: Diversity and similarities. 1. German Young Marine Scientist Meeting, ZMAW Hamburg, Germany, 12. June 2010
- Ferse** S.C.A. Trends in coastal resource use in the Spermonde Archipelago. International SPICE Cluster 6 Workshop, Bogor Agricultural University (IPB) Bogor, Indonesia, 15. April 2010
- Ferse** S.C.A. Coral reefs – endangered wilderness of the tropical oceans [invited public lecture, in German]. International Maritime Museum, Hamburg, Germany, 25. February 2010
- Ferse** S.C.A. Coastal management in Indonesia: Some issues and challenges. Colloquium on Challenges of Integrated Coastal Management, Bogor Agricultural University (IPB), Bogor, Indonesia, 08. January 2010
- Ferse** S.C.A. Coral reef restoration – background and approaches [in Indonesian]. Training workshop on coral transplantation, North Sulawesi Fisheries Department (DKP SulUt), Manado, Indonesia, 13. November 2009
- Ferse** S.C.A. MPAs: Concepts and implementation. Marine Ecology Summer Training, Hasanuddin University, Makassar, Indonesia, 26. October 2009
- Ferse** S.C.A. Analysis of coastal Social-Ecological Systems in the frame of the SPICE program. Marine Ecology Summer Training, Hasanuddin University, Makassar, Indonesia, 26. October 2009
- Ferse** S.C.A. Multivariate similarity of fish communities – a potential indicator of reef recovery? PhD and Post-Doc Minisymposium on Coral Reefs, Leibniz Centre for Tropical Marine Ecology, Bremen, Germany, 14-15. September 2009
- Ferse** S.C.A., A. Maddusila, S. Husain & M. Glaser. Mariculture as livelihood option for coastal communities: Investigating the potential for reef resource users in Spermonde/South Sulawesi. International Ocean, Science and Policy Symposium at the World Ocean Conference 2009, Manado, Indonesia, 12. May 2009
- Ferse** S.C.A. Linking People and the Reefs: The quest for sustainable forms of usage. 3rd Coral Reef Ecology (CORE) working group Mini Symposium, Munich, Germany, 04. May 2009
- Ferse** S.C.A. Migrant predatory exploitation patterns of coral reefs – The Roving Bandit Syndrome. Seminar in Tropical Ecology, Leibniz Centre for Tropical Ecology (ZMT), Bremen, Germany, 10. December 2008
- Ferse** S.C.A. Multivariate responses of the coral reef fish community to artificial structures and coral transplants. 11th International Coral Reef Symposium, Fort Lauderdale, Florida, USA, 11. July 2008
- Ferse** S.C.A. Wiederaufbau im Riff: Kabel, Keramik und Kugelkonstruktionen – Schäden in einem der ältesten Ökosysteme der Erde und wie der Mensch versucht, sie zu reparieren [invited public lecture, in German]. Haus der Wissenschaft, Bremen, Germany, 24. November 2007
- Ferse** S.C.A. Artificial reefs and coral transplantation: Ichthyofaunal responses at three locations in North Sulawesi, Indonesia. Seminar in Tropical Ecology, Leibniz Centre for Tropical Ecology (ZMT), Bremen, Germany, 31. October 2007

Poster Presentations

- Ford A.K., A. Eich, R.S McAndrews, S. Mangubhai, M.M. Nugues, S. Bejarano, B.R. Moore, C. Rico, C. Wild & S.C.A. **Ferse**. Evaluation of coral reef monitoring metrics. 10th International KFT-Symposium, Bremerhaven, Germany, 1-3. November 2017
- Ferse** S.C.A., C. Chong-Montenegro & S. Aswani. Changing Local Ecological Knowledge in the Solomon Islands: Applying an index of taxonomic distinctness to folk taxonomy. 13th International Coral Reef Symposium, Honolulu, Hawai'i, USA, 20-24. June 2016
- Ford A., N. van Hoytema, B. Moore, C. Wild & S.C.A. **Ferse**. Sedimentary oxygen consumption as an effective process indicator of organic matter stress on coral reefs. Reef Conservation UK 2014, London, UK, 6. December 2014
- Ferrol-Schulte D., J. Cinner, N. Jiddawi & S.C.A. **Ferse**. Livelihood diversification and food security in coastal communities on Zanzibar. 8th Western Indian Ocean Marine Science Association (WIOMSA) Symposium, Maputo, Mozambique, 27. October-1. November 2013

- Ferrol-Schulte D., S.C.A. **Ferse** & M. Glaser. Exploring drivers of natural resource exploitation in tropical coastal communities: patron-client systems. International Conference on Conservation Biology (ICCB), Baltimore, USA, 21-25. July 2013
- Ferse** S.C.A., M. Glaser, C. Schultz & J. Jompa. Linking research to Indonesia's CTI Action Plan: the SPICE Program. 12th International Coral Reef Symposium, Cairns, Australia, 9-13. July 2012
- Husain S., S.C.A. **Ferse** & M. Glaser. Analysis of factors affecting resilience towards climate change on several islands in the Spermonde Archipelago, Sulawesi, Indonesia. Storm Surges Congress 2010, Hamburg, Germany, 13-17. September 2010
- Glaser M. & S.C.A. **Ferse**. The Governance and Management of Indonesian Coastal Social-Ecological Systems. A cross-regional & interdisciplinary approach. International Ocean, Science and Policy Symposium at the World Ocean Conference 2009, Manado, Indonesia, 12-14. May 2009
- Ferse** S.C.A., K. Schwerdtner Máñez, M. Neil & M. Glaser. Trends in coral reef fisheries of the Spermonde Archipelago, South Sulawesi, Indonesia. Oceans Past II, University of British Columbia, Vancouver, Canada, 26-28. May 2009
- Ferse** S.C.A., K. Schwerdtner Máñez, M. Neil & M. Glaser. Socio-economic drivers in the coral reef fishery of Spermonde, South Sulawesi/Indonesia. Oceans Past II, University of British Columbia, Vancouver, Canada, 26-28. May 2009
- Ferse** S.C.A. Reef rehabilitation and natural recovery: Does transplantation of coral fragments increase natural recruitment? 11th International Coral Reef Symposium, Fort Lauderdale, Florida, USA, 7-11. July 2008
- Borell E.M., S.B.C. Romatzki & S.C.A. **Ferse**. Biorock Corals – Backtracking the notion of enhanced growth and prosperity. 11th International Coral Reef Symposium, Fort Lauderdale, Florida, USA, 7-11. July 2008
- Ferse** S.C.A. Coral farming and reef management. Sustainable Mariculture Meeting & Workshop, Makassar, Indonesia, 27-30. November 2007
- Blankenhorn S.U. & S.C.A. **Ferse**. Integrated culture of corals and seaweeds. Optimizing the sustainable use of reef resources. Sustainable Mariculture Meeting & Workshop, Makassar, Indonesia, 27-30. November 2007
- Ferse** S.C.A., S. Bröhl & A. Kunzmann. Coral reef research. Methods for ecological research in tropical environments using SCUBA. 1st International Symposium for Occupational Scientific Diving, AWI, Bremerhaven, Germany, 15-16. October 2007
- Ferse** S.C.A., A. Kunzmann & L. Knittweis. Coral reefs are more than fishes. Towards the sustainable use of non-fish reef resources. SPICE/LOICZ/ATSEF/SEACORM (SLAS) Southeast Asia Coastal Governance and Management Forum: Science Meets Policy for Coastal Management and Capacity Building, Bali, Indonesia, 14-16. November 2006
- Ferse** S.C.A. & S.B.C. Romatzki. Effects of an electric field on the growth and survival of two Acropora species. International Society for Reef Studies European Meeting 2006, Bremen, Germany, 19-22. September 2006
- Ferse** S.C.A. Coral transplantation increases fish abundance and diversity on artificial reefs. International Society for Reef Studies European Meeting 2006, Bremen, Germany, 19-22. September 2006

Media outreach

My work and publications have been featured in several dozen online and print newspaper articles in Germany and abroad. I have written several popular science articles for magazines, making my work accessible to the wider public. Furthermore, I have been interviewed several dozen times by radio and television stations, including major national German TV channels. The reports covered a range of topics, from my work on coral reef ecology and reef restoration to research on coastal resource use and management in Indonesia, the International Year of the Reef in 2008 and 2018, marine conservation in the Pacific, and coral bleaching and destruction in Southeast Asia and Australia.