

# Stefan Partelow

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## **EDUCATION**

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Ph.D.	Political Science Jacobs University   Bremen, Germany Written thesis: 3 of 4 examiners 'Pass with distinction' Oral defense: Unanimous 'Pass with distinction'	May 2018
M.Sc.	Environmental Studies & Sustainability Science Lund University   Lund, Sweden Written thesis and oral defense: 'Pass with distinction'	June 2014
B.A.	Environmental Studies University of California, Santa Barbara   USA	2009

## **PROFESSIONAL CAREER**

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Postdoctoral researcher	Leibniz Centre for Tropical Marine Research (ZMT) Bremen, Germany Department: Social sciences Groups: Social-Ecological Systems, Institutional & Behavioral Economics	March 2018 - present
Ph.D. researcher	Leibniz Center for Tropical Marine Research (ZMT) Bremen, Germany Department: Social sciences Groups: Social-Ecological Systems, Institutional & Behavioral Economics	March 2015 – Feb. 2018
Researcher	Greenpeace International Department: Science and Policy	Aug. 2014 – Oct. 2014
Research Assistant	Heal the Bay (Non-profit NGO) Los Angeles, California, USA Department: Science & Policy; Ecological restoration; MPA Watch through citizen science	Dec. 2011- Aug. 2012

## **PUBLICATIONS**

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### **Peer-reviewed publications**

- In-press      **Partelow, S;** Abson, D; Schlüter, A; von Wehrden, H; Fernandez-Gimenez, M; Collier, N. Privatizing the commons: New approaches need broader evaluative criteria for sustainability. *International Journal of the Commons*.
- In-press      Chavez, I; **Partelow, S;** Schlüter, A. Collective action, co-management and small-scale fisheries: Applying the social-ecological systems framework to compare three Responsible Fishing Areas (AMPRs) in Costa Rica. *International Journal of the Commons*.
- 2019          Nelson, K; **Partelow, S;** Schlüter, A; Vance, C. Extending the scope of marine park user fees to terrestrial conservation across coupled land-sea ecosystem boundaries. *Journal of Environmental Management*.
- 2019          **Partelow, S;** Fujitani, M; Soundararajan, V; Schlüter, S. Transforming a social-ecological systems framework into a participatory management and stakeholder deliberation tool. *Ecology and Society*.
- 2019          Schlüter, A. **Partelow, S.** Torres, LE. Jennerjahn, T. Coastal commons as social-ecological systems. (Book chapter in *The Commons Handbook*, Routledge, Editors: Hudson, B; Cole, D; Rosenbloom, J.)
- 2018          **Partelow, S.** A review of the social-ecological systems (SES) framework: Applications, methods, modifications and challenges. *Ecology & Society* 23(4):36.
- 2018          **Partelow, S;** Solano, S; Glaser, M; Schlüter, A. Mangroves, fishers and the struggle for adaptive co-management: Applying the social-ecological systems framework to a Marine Extractive Reserve (RESEX) in Brazil. *Ecology & Society*.  
<https://doi.org/10.5751/ES-10269-230319>
- 2018          **Partelow, S;** Nelson, K. Social networks, collective action and the evolution of governance for sustainable tourism on the Gili Islands, Indonesia. *Marine Policy*.  
<https://doi.org/10.1016/j.marpol.2018.08.004>
- 2018          Senff, P; **Partelow, S;** Indriana, L; Buhari, N; Kunzmann, A. Improving Pond Aquaculture Production on Lombok, Indonesia. *Aquaculture*.  
<https://doi.org/10.1016/j.aquaculture.2018.07.027>
- 2018          Schlüter, A; **Partelow, S;** Fujitani, M. Coastal Systems in Transition: From a 'natural' to an 'anthropogenically-modified' state. *Ocean and Coastal Management* (Editorial to special issue). 162. 1-5. 10.1016/j.ocecoaman.2018.05.001

- 2018 **Partelow, S**; Senff, P; Schlüter, A; Buhari, N. Operationalizing the social-ecological systems framework to pond aquaculture. *International Journal of the Commons* (12) 1. 485-518. <https://www.thecommonsjournal.org/articles/10.18352/ijc.834/>
- 2017 **Partelow, S**; Schlüter, A; von Wehrden, H; Janig, M; Senff, S. A sustainability agenda for tropical marine science. *Conservation Letters*. <http://doi.wiley.com/10.1111/conl.12351>
- 2016 **Partelow, S**; Winkler, K.J. Interlinking ecosystem services and Ostrom's framework through orientation in sustainability research. *Ecology & Society* (21). <http://dx.doi.org/10.5751/ES-08524-210327>
- 2016 **Partelow, S**. Coevolving Ostrom's social-ecological systems (SES) framework and sustainability science: four key co-benefits. *Sustainability Science* (11), 399–410. doi:10.1007/s11625-015-0351-3
- 2015 **Partelow, S**; Boda, C. A modified diagnostic social-ecological system framework for lobster fisheries: Case implementation and sustainability assessment in Southern California. *Ocean & Coastal Management*. 114, 204–217. doi:10.1016/j.ocecoaman.2015.06.022
- 2015 **Partelow, S**; von Wehrden, H; Horn, O. Pollution exposure on marine protected areas: A global assessment. *Marine Pollution Bulletin*. doi:10.1016/j.marpolbul.2015.08.026
- 2015 **Partelow, S**. Key steps for operationalizing social-ecological system framework research in small-scale fisheries: A heuristic conceptual approach. *Marine Policy* (51) 507–511. doi:10.1016/j.marpol.2014.09.005
- 2015 Luederitz, C., Brink, E., Gralla, F., Hermelingermeier, V., Meyer, M., Niven, L., Panzer, L., **Partelow, S.**, Rau, A.-L., Sasaki, R., Abson, D.J., Lang, D.J., Wamsler, C., von Wehrden, H. A review of urban ecosystem services: six key challenges for future research. *Ecosystem Services* (14) 98–112. doi:10.1016/S0921-8009(99)00013-0

## Theses

- Ph.D. 2018 **Partelow, S**. Finding sustainability: Advancing multiple methods to apply the social-ecological systems framework. Jacobs University. Bremen, Germany.
- M.Sc. 2014 **Partelow, S**. Assessing sustainability in lobster fisheries as social-ecological systems: A framework and research protocol. Lund University. Lund, Sweden.

## **COMMITTEE WORK & APPOINTMENTS**

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- 2018 Seminar Coordinator  
Social Science Department (ZMT Bremen)
- 2018 Advisory Board Member  
B.Sc. Global Environmental and Sustainability Studies  
Leuphana University, Germany
- 2012-2014 Board Member (M.Sc. Representative)  
Lund University Center for Sustainability Studies (LUCSUS), Lund, Sweden
- 2013 Advisory Committee Member  
Lobster Advisory Committee – Dept. of Fish and Wildlife, State of California

## **ACADEMIC SERVICE**

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### **Peer-reviewer**

Conservation Letters | Global Environmental Change | Environmental Research Letters  
Ecology and Society | Ocean & Coastal Management | International Journal of the Commons  
Ecological Economics | Sustainability | PLOS One

### **Guest editor**

Ocean & Coastal Management | Special Issue “Coastal Systems in Transition”  
Co-editors Achim Schlüter; Marie Fujitani

## **ACADEMIC ASSOCIATIONS & MEMBERSHIPS**

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- Since 2018 Marine Social Science Network (MarSocSci)
- Since 2017 European Cooperation for Science and Technology (EU COST)  
Ocean Governance – COST (Land-sea interactions working group)
- Since 2016 Too Big Too Ignore (TBTI) – Small-scale fisheries research network
- Since 2015 International Association for the Study of the Commons (IASC)

## **RESEARCH GRANTS**

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- Earmarked 668,000 Euros | Scientific Coordinator; Prof. Achim Schlüter (PI)  
Source: German Ministry of Education and Research (BMBF) – Bioeconomy call

Project title: COMPASS - Comparing Aquaculture Systems Sustainability

- 2019 9,400 Euros | Co-PI with Dr. Moritz Stähler  
Source: Leibniz Centre for Tropical Marine Research (ZMT) – PostDoctoral funding line  
Project title: Congruence between local social-ecological knowledge, scientific knowledge and drivers of coastal governance
- 2016 9,450 USD | Co-PI with Dr. Katherine Nelson  
Source: The Waitt Foundation -- Rapid Ocean Conservation Grant  
Project title: Social drivers and donation behavior of small-island coral reef conservation
- 2015 36,000 Euros | PhD research funding with Prof. Achim Schlüter  
Source: Leibniz Center for Tropical Marine Research (ZMT) – Open call for proposals  
Project title: Diagnosing and comparing social-ecological systems: RECODE

#### **ADDITIONAL FUNDING**

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- 2018 1,250 Euros  
Source: Open Access Fund of the Leibniz Association  
Publication: A review of the social-ecological systems framework. *Ecology & Society*
- 2017 671 Euros  
Source: GLOMAR - Bremen International Graduate School for Marine Sciences  
Course: Interdisciplinarity for marine and coastal sustainability
- 2017 1,375 Euros  
Source: Open Access Fund of the Leibniz Association  
Publication: A sustainability agenda for tropical marine science. *Conservation Letters*
- 2016 537 USD  
Source: Open Access Fund of the Leibniz Association  
Publication: Interlinking ecosystem services & Ostrom's framework through orientation in sustainability research. *Ecology & Society*

#### **RESEARCH STAYS**

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- Nov. 2018 University of Mataram/ Gili EcoTrust/ Gili Shark Conservation/ IPB Bogor  
Lombok, Indonesia
- April 2017 Gili EcoTrust/ UnRam - University of Mataram

- Lombok, Indonesia
- Jan. 2017 CATIE - Central American Institute for Tropical Agriculture  
Turrialba, Costa Rica
- April 2016 UFPA - Federal University of Para  
Braganca, Brazil
- Oct. 2015 University of Mataram (UnRam)  
Lombok, Indonesia
- Jan/Feb. 2009 Wildlands Studies (via CSU Monterey Bay)  
Northern Patagonia, Chile

## **CONFERENCE PRESENTATIONS**

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- 2018 Society and the Sea | London, UK  
Talk: Transforming the social-ecological systems framework into a participatory management and deliberation tool
- 2017 Resilience Conference | Stockholm, Sweden  
Talk: Operationalizing the social-ecological systems framework in pond aquaculture  
Poster: Drivers of co-management & social-ecological change in a Brazilian mangrove fishery
- 2017 International Association of the Commons (IASC) | Utrecht, Netherlands  
Talk: Operationalizing the social-ecological systems framework in pond aquaculture
- 2017 Maritime Studies Conference (MARE) | Amsterdam, Netherlands  
Talk: Operationalizing the social-ecological systems framework in pond aquaculture
- 2017 Lund University Alumni Conference | Lund, Sweden  
Talk: A sustainability agenda for tropical marine science
- 2016 Estuarine, Coastal and Shelf Science Association (ECSA) | Bremen, Germany  
Talk: Operationalizing the social-ecological systems framework
- 2015 Youmares 6 | Bremen, Germany  
Talk: Pollution exposure on marine protected areas: A global assessment

- 2015 International Association of the Commons (IASC) | Edmonton, Canada  
Talk: Interlinking ecosystem services & Ostrom's framework through in sustainability research
- 2015 Lund University Alumni Conference | Lund, Sweden  
Talk: Pollution exposure on marine protected areas: A global assessment

### **WORKSHOPS & SHORT COURSES**

- 2017 European Cooperation for Science and Technology (COST)  
Ocean Governance Land-Sea Interaction Workshop  
Universidad La Laguna | Tenerife, Spain
- 2017 Interdisciplinary Research on Marine & Coastal Sustainability  
Future Earth & Nord University | Bodo/ Tromso, Norway
- 2016 Breaking the Code: Synthesizing coding in the commons  
Socio-Environmental Synthesis Center (SESYNC) | Annapolis, USA
- 2016 Societal relevance of coastal biodiversity change  
University of Oldenburg | Wilhelmshaven, Germany
- 2016 Leibniz Environment & Development Symposium (LEADS)  
Humboldt University | Berlin Germany
- 2015 Workshop on mixed methods in sustainability science  
Leuphana University | Lüneburg, Germany

### **TEACHING**

<b>Title</b>	<b>Level</b>	<b>Location</b>	<b>Year</b>	<b>Course hours (per year)</b>	<b># of students (per year)</b>	<b>Description</b>
Ecological economics, SES and sustainability	M.Sc.	University of Bremen. Germany	2015 2016 2017 2018	40	~30	Introduction to ecological economics, social-ecological systems and sustainability. With Prof. Achim Schlüter.
Aquaculture trends globally and on Lombok, Indonesia	B.Sc.	University of Mataram	2018	2	~50	Overview of aquaculture as a natural resource management challenge.

Sustainable development in coastal Indonesia	M.Sc.	University of Bremen. Germany	2018	3	3	Examining sustainable development through case examples in aquaculture and tourism in Indonesia.
Introduction to global change and concepts of sustainability	B.A.	Jacobs University. Germany	2017	10	~30	Introduction to social, environmental and earth system trends and concepts of global sustainability.
Sustainability science: Introduction to social-ecological systems	M.Sc.	Lund University. Sweden	2017 2018	8	~40	Introduction to systems thinking and social-ecological systems in natural resource governance.
Introduction to social-ecological systems	B.A.	Federal University of Brazil	2016	2	~20	Introduction social-ecological systems and fisheries as complex human-environment systems.

## **SUPERVISION**

<b>Student</b>	<b>Level</b>	<b>Location</b>	<b>Year graduated</b>	<b>Thesis title</b>
David Eider	M.Sc.	University of Bremen. Germany	Expected 2019	Social-ecological network analysis of SCUBA tourism and coral reefs in Gili Trawangan, Indonesia
Mirja Bauer	M.Sc.	University of Bremen. Germany	Expected 2019	Behavioral experiments to reduce plastic bag usage among tourists in Indonesia
Michael Murunga	M.Sc.	University of Bremen. Germany	2018	Applying the social-ecological systems framework to Kenyan small-scale fisheries
Vignesh Soundararajan	M.Sc.	University of Bremen. Germany	2017	Using the social-ecological system framework as a deliberative tool to engage stakeholders
Anne Jaeger	M.Sc.	University of Bremen. Germany	2017	Fisher's perspectives drive self-organization processes and rule compliance
Isis Carillo	M.Sc.	Tropical Agriculture Research Center. Costa Rica	2017	Diagnosing and comparing drivers of collective action for responsible small-scale fishing areas in the Gulf of Nicoya, Costa Rica
Sofia Solano	M.Sc.	University of Bremen. Germany	2016	Using the SES Framework to analyze mangrove estuary co-management in Northern Brazil
Paula Senff	M.Sc.	University of Bremen. Germany	2016	Operationalizing the social-ecological systems framework in Lombok, Indonesia