

Christoph Nolte

University of Michigan • Ann Arbor, Michigan • +1-734-747-0305 • chrnolte@umich.edu • www.cnlte.com

EDUCATION

- expected 2015 **PhD Natural Resources and Environment**, *University of Michigan*
Topic: Impact of protected area support on carbon and biodiversity in the Amazon Basin
Committee: Arun Agrawal (chair), Dan Brown, Paul Ferraro, Rick Riolo
- 2008 **International MSc of Rural Development**
Humboldt University Berlin (Germany), Chinese Academy of Social Sciences (China)
Agrocampus Rennes (France), Universidad de Córdoba (Spain)
Thesis Topic: Property rights and conservation payments in China (“excellent”)
- 2005 **B.Sc. Environmental and Resource Management**
Brandenburg University of Technology Cottbus (Germany)
Thesis Topic: Impact of ecotourism certification on visitor attitudes, Jordan (“excellent”)

RESEARCH INTERESTS

Research emphasis on impact and cost-effectiveness of conservation projects. Dissertation focuses on carbon, biodiversity and livelihood impacts of international financial support to forest protected areas in the Amazon rainforest. Related interests include deforestation and forest degradation (REDD), payments for environmental services (PES), spatial law enforcement strategies, and land tenure and property rights. Methodological emphasis is on econometrics, spatially explicit agent-based modeling, remote sensing, and qualitative social research methods.

PUBLICATIONS

- 2012 **Nolte C**, Agrawal A. Measuring management effectiveness and conservation success of forest protected areas in the Amazon Basin. Resubmitted, *Conservation Biology*, May ‘12
- 2011 Leverington F, Costa KL, Courrau J, Pavese H, **Nolte C**, Marr M, Coad L, Burgess N, Bomhard B, Hockings M (2011) Management effectiveness evaluation in protected areas – a global study (2nd edition). IUCN: Gland, Switzerland
- 2010 **Nolte C**, Leverington F, Kettner A, Marr M, Nielsen G, Bomhard B, Stolton S, Stoll-Kleemann S, Hockings M (2010) Protected Area Management Effectiveness Assessments in Europe: A review of data, methods and results. BfN Skripten Series 271a. BfN: Bonn, Germany
- 2009 Stoll-Kleemann S, Schliep R, **Nolte C** (2009) The Global Research Centre for Biosphere Reserve Advancement. A New Emphasis on Social Dynamics and Exchange in UNESCO’s World Network. *GAIA* 18 (3) p. 270-272
- 2008 **Nolte C** (2008) Property rights and payments for watershed services from forests in China: A case study of Beijing’s Forest Eco-Compensation (M.Sc. Thesis)
- 2006 **Nolte C** (2006) The Biosphere Tour: Observations and Recommendations. Report to the UNESCO-MAB Secretariat, UNESCO field offices and biosphere reserves.

2005 **Nolte C** (2005) Awareness of the "Man and the Biosphere" program and its impact on visitors' attitudes towards tourism services in Dana BR, Jordan (B.Sc. Thesis)

PRESENTATIONS

2012 *Management effectiveness of and impact of Amazon protected areas*, Workshop Governance and Conservation: Towards More Robust Indicators, Gordon and Betty Moore Foundation, Palo Alto, CA, USA

Management effectiveness of forest protected areas, Student Conference on Conservation Science, University of Cambridge, UK

2011 *Management effectiveness of forest protected areas: Are we choosing the right measures?* Conference "Forest Biodiversity in a Changing Climate", University of Freiburg, Germany

2010 *Evaluating the Management Effectiveness of European Protected Areas*, Workshop on "Instruments for Social Monitoring in German Biosphere Reserves", University of Greifswald, Germany

2009 *Protected Area Management Effectiveness Evaluation: Rationale, Approaches and Application in Europe*, CBD Workshop on PoWPA Implementation in CEE Countries, International Academy of Nature Conservation, Vilm, Germany

Chinese Forest Policy in the 21st Century, Lecture Series "Challenges of Sustainable Resource Use in Asian Economies", Humboldt University Berlin, Germany

Web-Based Communities of Practice, Workshop on "Education for Sustainable Development in Development Cooperation", Int'l Academy of Nature Conservation, Vilm, Germany

2007 *The Biosphere Tour: Implementation of the UNESCO-MAB Programme in Europe, Middle East and Asia*, EuroMAB Conference "Bridging Science and Society", Antalya, Turkey

GRANTS AND AWARDS

2012 *Rights and Resources Initiative* (PI Arun Agrawal, 25% effort) – \$130,000

- Lead of research component on trade-offs between the effects of protected areas on deforestation vs. poverty in the Brazilian Amazon

University of Michigan, Graham Doctoral Sustainability Fellowship – \$50,000

University of Michigan, Rackham International Student Fellowship – \$10,000

University of Michigan, Marshall Weinberg Pop., Dev. and Climate Change Fellow – \$7,500

2011 *Gordon and Betty Moore Foundation* (PI Arun Agrawal, 50% effort) – \$399,000

- Lead of research component predicting protected area conservation success from management effectiveness data in Andes-Amazon rainforest (Peru, Bolivia, Brazil)

University of Michigan, Rackham Summer Research (PI Arun Agrawal, 80% effort) – \$6,000

University of Michigan, International Institute Individual Fellowship (summer) – \$4,500

University of Michigan, Rackham Graduate Student Research Grant (summer) – \$1,500

2010 *University of Michigan*, Wheeler Fellowship (fall) – \$22,300

2008 *German Academic Exchange Service (DAAD)*, Thesis Research Fellowship (China)

2007 *European Union*, Erasmus Mundus Action 3 Fellowship, Thesis Research (China) – €3,100

- 2006 *European Union, Erasmus Semester Abroad Scholarship (France / Spain)*
- 2005 *Beijing Institute of Technology, Semester Scholarship (Beijing)*
- 2004 *German Academic Exchange Service, Semester Abroad Scholarship (Jordan)*

RESEARCH EXPERIENCE

- 2011 – present *University of Michigan, USA*
Graduate Student Research Assistant, International Forestry Resources and Institutions
 - Conducted and coordinated research, coordinated workshops and conferences
- 2008 – 2010 *University of Greifswald, Germany*
Research Assistant, Governance of Biodiversity Research Group (16 months)
 - Coordinated international research project on the evaluation of protected area management effectiveness in European countries. Lead author of final report.
 - Developed web-based communication platform for UNESCO biosphere reserves
- 2005 – 2006 *The Biosphere Tour*
Project Leader (12 months)
 - Coordinated one-year research trip in cooperation with UNESCO, visiting 18 biosphere reserves in 16 countries, covering 12000 km on a bicycle
 - Authored reports to UNESCO and 40 blog articles (www.biosphere-tour.org)

TEACHING EXPERIENCE

- 2010 *University of Greifswald, Germany*
Lecturer, Division of Landscape Economics (5 months)
 - Developed and delivered lectures on environmental economics (120 students) conservation economics (20 students), and an economics tutorial (15 students)
 - Developed literature database on effectiveness of conservation payments
- 2005 *Beijing Institute of Technology, China (4 months)*
 - Taught German conversation course (20 students)

PRACTICAL EXPERIENCE

- 2007 *GTZ Morocco / Haut Commissariat des Eaux et Forest, Morocco: Intern (2 months)*
 - Developed CMS-based websites for the Arganeraie Biosphere Reserve and Morocco's Desertification Information Exchange System
- 2001 – 2004 *Backendmedia GbR, Berlin, Germany: Web Developer (3 years, part time)*
 - Developed modules (forum, calendar) for a content management system
- 2002 *Galapagos National Park Service, Ecuador: Intern (2 months)*
 - Developed centralized tourism information system for park administration
- 2001 *Jatun Sacha Biological Station, Ecuador: Intern (1 month)*
 - Assisted reforestation and agro-forestry activities

FIELD EXPERIENCE

2011	Ecuador, Peru, Bolivia, Brazil (3 months): Preliminary PhD dissertation research
2008	China (4 months): M.Sc. Thesis research
2007	China (1 month): Field training and research
2007	Morocco (2 months): Internship
2005 – 2006	Europe, Middle East, Asia (16 countries, 11 months, 18 reserves): Reality check of UNESCO's "Man and Biosphere" program
2004	Jordan (5 months): B.Sc. Thesis research
2002	Ecuador (2 months): Internship at Galápagos National Park
2001	Ecuador (1 month): Internship at Jatun Sacha Biological Station

SKILLS

Native Language	German	
Languages	English	excellent reading, writing and speaking
	French	excellent reading, writing and speaking
	Spanish	excellent reading, writing and speaking
	Portuguese	excellent reading, intermediate writing and speaking
	Chinese	intermediate reading, writing and speaking (1500 characters)
	Arabic	basic reading, writing and speaking
Analytical Skills	Econometrics (esp. matching, general linear models) – R, Stata, SPSS Multivariate analysis (esp. PCA, cluster analysis, categorization) – R, Stata GIS and remote sensing (esp. forest ecosystems) – ArcGIS, ERDAS Imagine Agent-based modeling (esp. spatial modeling of enforcement) – RepastJ	
Technical Skills	Web and database development (PHP, MySQL, WordPress, Typo3, Joomla): advanced Graphics (Corel Draw, Adobe Photoshop): advanced Office (MS Word, Excel, Access): excellent	

WORKSHOPS

2011	(Co-Leader) <i>Governance and Conservation: Towards More Robust Indicators</i> , Gordon and Betty Moore Foundation, Palo Alto, CA, USA
2009	(Co-Leader) <i>Management Effectiveness of Europe's Protected Areas and the Convention on Biological Diversity</i> , Project Workshop, Int'l Academy of Nature Conservation, Vilm, Germany
	(Leader) <i>Evaluation of Management Effectiveness: Future Proofing</i> , EUROPARC Federation Conference 2009, Sweden
	(Co-Leader) <i>Education for Sustainable Development in Academia and International Cooperation: The Case of Biosphere Reserves Summer School</i> , International Academy of Nature Conservation, Vilm, Germany

PROF. MEMBERSHIPS

2011 – present IUCN World Commission on Protected Areas,
Task Force on Protected Area Management Effectiveness

2010 – present Society for Conservation Biology

SERVICE

2006 – 2008 *IMRD Student Association*, Member of Council

2003 – 2004 *ERM Board of Students*, Vice President

1995 – 2000 *KFZ (Socio-Cultural Centre)*, Volunteer