

BRIAN IKAIKA KLEIN

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EDUCATION

PhD University of California, Berkeley

Environmental Science, Policy, and Management

May 2020 (expected)

Dissertation: *Order and the Underground: Governing the Goldfields of Madagascar*

Committee: Jonas Meckling (chair), Nancy Peluso, Michael Watts, Kate O'Neill, Jennifer Bussell

Examination Fields: Political Ecology, Global Environmental Governance, Property and Natural Resources, Political Economy of Distribution and Development

BA University of Notre Dame

Political Science and International Peace Studies

2008, *summa cum laude*

Advisors: A. James McAdams and George Lopez

Université Catholique de l'Ouest (Angers, France)

Diplôme de Langue et de Civilisation Françaises

2007, Mention *Très Bien*

RESEARCH EXPERIENCE

Research Interests

Natural resource governance and global development; political economy of energy and extractive industries; natural resource politics and policy; institutional development in resource frontier settings; property and natural resources; community-based natural resource management; political ecology; global environmental governance; sub-Saharan Africa and Madagascar; China-in-African extractive sectors; emerging mineral frontiers of the climate-conscious economy

Academic Research

Doctoral Researcher, 2014-2020

University of California, Berkeley

Department of Environmental Science, Policy, and Management

- Fieldwork in Madagascar (2015, 2016, 2017-2018)

International Scholar and Research Assistant, 2005-2008

University of Notre Dame

Kellogg Institute for International Studies

- RA for A. James McAdams through the International Scholars Program

Undergraduate Researcher, 2006-2008

University of Notre Dame

Department of Political Science & Kroc Institute for International Peace Studies

- Thesis: "The Future of European Immigration: Extrapolating from the British, French, and German Cases"
- Capstone: "Reversing the Curse: Social Reconciliation in the DR Congo"
- Dossier: "La politique environnementale de l'Union européenne"

Relevant Professional Experience

Consultant, 2009-2015

World Bank, Washington, DC

Energy and Extractives Global Practice, Africa Energy Unit, Energy Anchor Unit

- Conducted policy research and analysis for climate mitigation and renewable energy programs.

Environment Sector Volunteer, 2010-2012

U.S. Peace Corps, Madagascar

- Conducted socioeconomic surveys, focus groups, and participant observation in ten rural communities in order to assess local interests, needs, and resources for project design.

Staff Intern, 2009

Woodrow Wilson International Center for Scholars, Washington, DC

Environmental Change and Security Program

- Conducted research, authored articles, and staffed events related to climate and development.

Scoville Fellow, 2008-2009

Union of Concerned Scientists, Washington, DC

Global Security Program and Tropical Forests & Climate Initiative

- Conducted policy research, authored policy-oriented publications, and engaged in advocacy.

Energy and Environment Consultant, 2008

Indiana Dunes National Lakeshore, Porter, IN

- Conducted audit of park energy use, researched appropriate conservation technologies, compiled findings and recommendations, and presented report to program leadership.

FELLOWSHIPS, GRANTS, & AWARDS

National Science Foundation Graduate Research Fellowship

2015-2020

- Three years of fellowship support granted to authors of the 12.5 percent of selected proposals.

Outstanding Graduate Student Instructor Award

2018-2019

- Given by Berkeley GSI Teaching & Resource Center, for teaching climate & energy policy.

Berkeley Fellowship for Graduate Study

2014-2019

- Two years of fellowship support awarded to small number of outstanding doctoral applicants.

Berkeley Connect Fellowship

2019-2020

- One year of full fellowship support given to mentors selected for excellence in teaching.

Berkeley Empirical Legal Scholars Fellowship

2019-2020

- Research fellowship, seminar series, and workshop for 12 doctoral students per year selected through competitive process by UC Berkeley's Center for the Study of Law and Society.

Rocca Dissertation Fellowship in Advanced African Studies

2017-2018

- \$6000 research fellowship awarded through competitive process by UC Berkeley's Center for African Studies, used to fund one year of fieldwork in Madagascar.

Rocca Pre-Dissertation Fellowship

2016

- \$4000 research fellowship awarded through competitive process by UC Berkeley's Center for African Studies, used to fund summer of fieldwork in Madagascar.

ESPM Starter Grant

2015

- \$3000 research grant awarded to 10 percent of applicants by panel of peers in ESPM department, used to fund summer of fieldwork in Madagascar.

- Herbert Scoville Jr. Peace Fellowship** 2008-2009
- Salaried fellowship awarded to two applicants selected from pool of more than 100, used to support research and advocacy position in DC focused on peace, security, and environment.

- Learning Beyond the Classroom Grant** 2007
- Competitive grant awarded to small number of undergraduates in the College of Arts & Letters, used to attend sustainability conference in Chicago.

- Michelle Murphy Award** 2007
- Award granted by Notre Dame's study abroad program in Angers, France, to the student deemed to have done the most to the benefit of his or her peers over the academic year.

TEACHING & MENTORSHIP

University of California, Berkeley

Department of Environmental Science, Policy, & Management

Mentor, Berkeley Connect, AY 2019-2020

- Empowering 80 undergraduate students to meet their goals in professional development and environmental research through both one-on-one and small-group sessions.

Graduate Student Instructor, Climate and Energy Policy (Jonas Meckling), Spring 2019

- Taught two sections of 30 undergraduate students, delivering content through lectures and discussion, completing all grading, handling course logistics, and earning superior evaluations.
- Selected for Outstanding GSI Award by UC Berkeley GSI Teaching and Resource Center.

Supervisor, Sponsored Projects for Undergraduate Research (SPUR), AY 2015-2016

- Oversaw the research project of an undergraduate student interested in comparative climate policy and politics across U.S. states.

U.S. Peace Corps, Madagascar

Environmental Educator and Agroforestry Extension Agent, 2010-2012

- Designed and implemented reforestation projects with 12 village organizations, trained 500 individuals, built 30 tree nurseries, and transplanted 20,000 saplings in southeast Madagascar.

Trainer, Environment Sector, 2010-2012

- Developed curriculum and conducted training of 50 environment-sector Peace Corps Volunteers.

University of Notre Dame

Resident Counselor, Global Issues Seminar, 2006-2009

- Led academic discussion sessions, coordinated program logistics, facilitated community-building activities, and lived with 40 student participants in program under George A. Lopez.

PUBLICATIONS

Academic Publications

Klein, B. (2020). "Madagascar: Emergence and Persistence on the Hundred-Year Frontier." In B. Verbrugge and S. Geenen (Eds.), *The Global Gold Production System Touching Ground: A Story of Global Expansion, Technological Innovation, and Informalization*. London, United Kingdom: Palgrave Macmillan.

Articles in Preparation

Klein, B. "The Dina Underground: Interrogating the Emergence, Evolution, and Endurance of Governance Institutions in the Goldfields of Madagascar." (to be submitted to *World Development*)

Klein, B. "Shaded Governance: Fragmented Authority in Madagascar's Artisanal and Small-Scale Mining Sector." (to be submitted to *Geoforum*)

Zhu, A. and Klein, B. “Chasing Gold, Sapphires, Rosewood, and Vanilla: Northern Madagascar’s Flexible Frontier-Makers.” (to be submitted to *World Development*)

Policy Publications (Selected)

Klein, B. (2010-2011). *The Next Crazy Venture*. Self-published commentary on conservation, development, and international service at: NextCrazyVenture.blogspot.com.

Klein, B. (2009, September 30). “Trees: The Natural Answer to Climate Change, Food Insecurity, and Global Poverty.” *New Security Beat (NSB)*. Environmental Change and Security Program (ECSP), Woodrow Wilson International Center for Scholars (WWICS).

Klein, B. (2009, September 3). “Connecting the Dots on Natural Interdependence.” *NSB*. ECSP, WWICS.

Klein, B. (2009, August 7). “Focus on Food Security as Clinton Lands in Africa.” *NSB*. ECSP, WWICS.

Klein, B. (2009, July 31). “Senate, Pentagon Focus on Climate-Security Challenges.” *NSB*. ECSP, WWICS.

Klein, B. (2009, July 14). “Climate Disequilibrium Puts Human, Ecological Health at Risk.” *NSB*. ECSP, WWICS.

Klein, B. (2009, June 23). “Managing Environmental Conflict in Latin America.” *NSB*. ECSP, WWICS.

Klein, B. (2009, June 5). “The Indian Ocean: Nexus of Environment, Energy, Trade, and Security.” *NSB*. ECSP, WWICS.

Klein, B., Meyer, S., and Gronlund, L. (2009). “The Comprehensive Nuclear-Test-Ban Treaty: Senate Ratification Would Enhance U.S. Security.” Cambridge, MA: Union of Concerned Scientists.

Klein, B., Meyer, S., and Gronlund, L. (2008). “Debunking the Damage Limitation Strategy.” Cambridge, MA: Union of Concerned Scientists (UCS).

Klein, B., Gronlund, L., and Young, S. (2008). “Decision on Complex Transformation Should Wait for Full Nuclear Posture Review.” Cambridge, MA: Union of Concerned Scientists (UCS).

Klein, B. and Young, S. (2008). “Analysis of Senate and House FY2009 Appropriations for DOE Nuclear Weapons-Related Activities.” Cambridge, MA: Union of Concerned Scientists (UCS).

Contributing Author

For southeast dialects of Malagasy in Bell, J. (2019). *Malagasy Dialect Dictionary*. USA: Amazon Digital Services LLC - KDP Print US.

INVITED TALKS

“Order and the Underground: Governing the Goldfields of Madagascar.” Job talk in the Department of Afroamerican and African Studies, University of Michigan (Ann Arbor, MI), March 2020.

“Order in the Diggings: Fragmented Authority in the Goldfields of Madagascar.” Guest lecture at UC Santa Cruz (Institutions, Environment, & Economic Systems), May 2019.

“Order and the Underground: Shaded Governance in the Goldfields of Madagascar.” Invited talk at UC Berkeley (Africa Colloquium), April 2019.

“Speak for the Trees (and the People!): Community-Based Forestry in Madagascar.” Invited talk at the Union of Concerned Scientists (Washington, DC), March 2013.

“The Eighth Continent: Environmental Challenges and Sustainable Solutions in Madagascar.” Guest lecture at Hawai‘i Pacific University, September 2012.

CONFERENCE PRESENTATIONS

“The *Dina* Underground: Governance Institutions in Malagasy Gold Mining.” Presentation at the African Studies Association Annual Meeting (Boston, MA), November 2019.

“The *Dina* Underground: Interrogating the Emergence, Evolution, and Endurance of Governance Institutions in the Goldfields of Madagascar.” Presentation at the Madagascar Workshop (University of Toronto), October 2019.

“Chasing Gold, Sapphires, Rosewood, and Vanilla: Northern Madagascar’s Flexible Frontier-Makers.” Presentation (with Annah Zhu) at the Madagascar Workshop (University of Toronto), October 2019.

“Order in the Diggings: Understanding Governance in the Goldfields of Madagascar.” Presentation at American Association of Geographers Conference (Washington, DC), April 2019.

“Shaded Governance: Fragmented Authority in the Goldfields of Madagascar.” Presentation at African Studies Association Conference (Atlanta, GA), December 2018.

“Mining for Territory: Practices, Livelihoods, and Policy in Madagascar’s Mining Sector.” Presentation at African Studies Association Conference (Washington, DC), December 2016.

“Reversing the Curse: Natural Resources and Social Reconciliation in the Democratic Republic of Congo.” Presentation at Notre Dame Student Peace Conference (Notre Dame, IN), April 2008.

SERVICE TO DEPARTMENT

Admissions Committee Member, Society & Environment (S&E) Division, Department of Environmental Science, Policy, and Management (ESPM), UC Berkeley, 2015 & 2019

President, ESPM Graduate Student Association, UC Berkeley, 2016-2017

Faculty Liaison, ESPM Graduate Student Association, UC Berkeley, 2019-2020

Lead Organizer, S&E Division Workshop & Orientation, UC Berkeley, 2019

Department Liaison, Berkeley Energy and Resources Collaborative, UC Berkeley, 2015-2020

Vice President, ESPM Graduate Student Association, UC Berkeley, 2018-2019

Social Chair, ESPM Graduate Student Association, UC Berkeley, 2015-2016

Political Affairs Liaison, ESPM Graduate Student Association, UC Berkeley, 2019-2020

Common Space (Lodge) Manager, ESPM Graduate Student Association, UC Berkeley, 2015-2016

First-Year Representative, ESPM Graduate Student Association, UC Berkeley, 2014-2015

Member, ESPM Graduate Diversity Council, UC Berkeley, 2014-2020

POLICY & MEDIA OUTREACH

Advisory and Evaluation Board Member, Miavotse Anosy Androy – Madagascar Responsible Mica Mining Initiative, 2019-2020.

Expert (Cited) Source for Filou, E. (2016, November 15). “A million artisanal gold miners in Madagascar wait to come out of the shadows.” *The Guardian*. <https://www.theguardian.com/sustainable-business/2016/nov/15/gold-rush-madagascars-artisanal-miners-could-benefit-from-global-downturn>

Background Source for Dixon, H. (2020, February 21). “Carbon offsetting may be a gold mine in the West—but in Madagascar, sapphires are the real prize.” *The Telegraph*. <https://www.telegraph.co.uk/news/2020/02/21/carbon-offsetting-may-gold-mine-west-madagascar-sapphires/>.

Background Source for Tullis, P. (2019, March 6). “How illegal mining is threatening imperiled lemurs.” *National Geographic*. <https://www.nationalgeographic.com/animals/2019/03/sapphire-mining-fuels-lemur-deaths-in-madagascar/>

Public Commentator via social media on issues related to politics and policy, natural resources, extractive industries, artisanal and small-scale mining, environment, development, conservation, Madagascar, political economy, and political ecology (Twitter: [@brian_i_klein](#), Facebook: [brian.i.klein](#))

PROFESSIONAL AFFILIATIONS

American Association of Geographers
African Studies Association
International Studies Association
Madagascar Workshop Group
Berkeley Mining Group and Extractives Workshop

LANGUAGES

English (native)
French (fluent)
Malagasy-Antankarana Dialect (fluent)
Malagasy-Antesaka Dialect (fluent)
Malagasy-Ofisialy Dialect (advanced)

TECHNOLOGICAL PROFICIENCIES

R (quantitative data/statistical analysis software)
QGIS (GIS application for geospatial data analysis)
MAXQDA (qualitative data analysis software)
Convio and Weebly (webpage design)
Social media (for academic and professional use)