

# BRIAN IKAIKA KLEIN

5506 Haven Hall  
505 South State Street  
Ann Arbor, MI 48103

[briklein@umich.edu](mailto:briklein@umich.edu)  
[www.brianiklein.com](http://www.brianiklein.com)

## PROFESSIONAL APPOINTMENTS

<b>Assistant Professor</b>	<b>University of Michigan</b> Department of Afroamerican and African Studies Program in the Environment	<b>2020-present</b>
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## EDUCATION

<b>PhD</b>	<b>University of California, Berkeley</b> Environmental Science, Policy, and Management Dissertation: <i>Order and the Underground: Governing the Goldfields of Madagascar</i> Committee: Jonas Meckling (chair), Nancy Peluso, Michael Watts, Kate O’Neill, Jennifer Bussell	<b>2020</b>
<b>BA</b>	<b>University of Notre Dame</b> Political Science and International Peace Studies <i>summa cum laude</i>	<b>2008</b>
	<b>Université Catholique de l’Ouest (Angers, France)</b> Diplôme de Langue et de Civilisation Françaises <i>Mention Très Bien</i>	<b>2007</b>

## RESEARCH

### Research Interests

Natural resource politics and policy; environment and development; political ecology; resource frontiers; governance; institutions; extractive industries; artisanal and small-scale mining; qualitative and ethnographic methods; sub-Saharan Africa; Madagascar

### Current Projects

*Underground Institutions: Access, Autonomy, and Accumulation in Madagascar’s Goldfields* (book project; tentative title)

*Natural Resource Politics and Local-Level Governance in Madagascar’s Mining Sector* (ongoing primary research project)

*Targeting Natural Resource Corruption (TNRC): Madagascar Component* (lead researcher; collaboration with U4 Anti-Corruption Resource Centre examining community-based anti-corruption in conservation; supervising team of 7 field researchers based in northern Madagascar)

*Understanding the Consequences of the COVID-19 Pandemic for Extractive Economies across the Global South* (collaboration with Stephanie Postar, Hilary Faxon, Matthew Libassi, & Laura Dev)

*Flexible Frontier-Makers: Boom-Chasing and Subject-Making in Northern Madagascar* (collaboration with Annah Zhu; examining subjectivities of rural Malagasy working across resource sectors in northern Madagascar)

*Roads and Resources: Infrastructural Change and Institutional Reconfiguration in Rural Madagascar*

*Frontier Governance: Comparing Institutions across Extractive Resource Sectors in Africa*

## PUBLICATIONS

### Peer-Reviewed Publications

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

### Working Papers

Klein, B. "Mineral Commons: Collectively Claiming the Goldfields of Madagascar." (to be submitted to *Political Geography*)

Klein, B. "Governance in the Diggings: Institutional Forms in Artisanal and Small-Scale Mining." (to be submitted to *Journal of Rural Studies*)

Klein, B. "The Dina Underground: Interrogating Institutional Emergence, Evolution, and Endurance in Madagascar's Goldfields." (to be submitted to *Law and Society Review*)

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. "Flexible Frontier-Makers: Boom-Chasing and Subject-Making in Northern Madagascar." (to be submitted to *Geoforum*)

### Policy Publications (Selected)

Klein, B., Zhu, A., Pardo-Herrera, C., Mullard, S. (2021, February). "Enrolling the Local: Community-Based Anti-Corruption Efforts and Institutional Capture." TNRC Topic Brief. Available at: <https://www.worldwildlife.org/pages/tnrc-topic-brief-enrolling-the-local-community-based-anti-corruption-efforts-and-institutional-capture>.

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.

## FELLOWSHIPS, GRANTS, & AWARDS

- |  |           |
|--|-----------|
| <b>National Science Foundation Graduate Research Fellowship</b>  | 2015-2020 |
| <ul style="list-style-type: none"><li>• Three years of fellowship support granted to authors of the 12.5 percent of selected proposals.</li></ul>  |           |
| <b>Outstanding Graduate Student Instructor Award</b>   | 2018-2019 |
| <ul style="list-style-type: none"><li>• Given by Berkeley GSI Teaching &amp; Resource Center, for teaching climate &amp; energy policy.</li></ul>  |           |
| <b>Berkeley Fellowship for Graduate Study</b>  | 2014-2019 |
| <ul style="list-style-type: none"><li>• Two years of fellowship support awarded to small number of outstanding doctoral applicants.</li></ul>  |           |
| <b>Berkeley Connect Fellowship</b>   | 2019-2020 |
| <ul style="list-style-type: none"><li>• One year of full fellowship support given to mentors selected for excellence in teaching.</li></ul>  |           |
| <b>Berkeley Empirical Legal Scholars Fellowship</b>  | 2019-2020 |
| <ul style="list-style-type: none"><li>• 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.</li></ul>   |           |
| <b>Rocca Dissertation Fellowship in Advanced African Studies</b>   | 2017-2018 |
| <ul style="list-style-type: none"><li>• \$6000 research fellowship awarded through competitive process by UC Berkeley's Center for African Studies, used to fund one year of fieldwork in Madagascar.</li></ul>                        |           |
| <b>Rocca Pre-Dissertation Fellowship</b>   | 2016      |
| <ul style="list-style-type: none"><li>• \$4000 research fellowship awarded through competitive process by UC Berkeley's Center for African Studies, used to fund summer of fieldwork in Madagascar.</li></ul>                          |           |
| <b>ESPM Starter Grant</b>  | 2015      |
| <ul style="list-style-type: none"><li>• \$3000 research grant awarded to 10 percent of applicants by panel of peers in ESPM department, used to fund summer of fieldwork in Madagascar.</li></ul>                                      |           |
| <b>Herbert Scoville Jr. Peace Fellowship</b>   | 2008-2009 |
| <ul style="list-style-type: none"><li>• 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.</li></ul> |           |
| <b>Learning Beyond the Classroom Grant</b>   | 2007      |
| <ul style="list-style-type: none"><li>• Competitive grant awarded to small number of undergraduates in the College of Arts &amp; Letters, used to attend sustainability conference in Chicago.</li></ul>                               |           |
| <b>Michelle Murphy Award</b>   | 2007      |
| <ul style="list-style-type: none"><li>• 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.</li></ul>         |           |

## TEACHING & MENTORSHIP

### University of Michigan

Department of Afroamerican and African Studies  
Program in the Environment

#### Instructor

- AAS 103/ENVIRON 152: Reconsidering African Environments (Fall 2020/21, Winter 2021)
- ENVIRON 209: Introduction to Political Ecology (Winter 2022)
- AAS 358: Environmental Governance and African Development (Fall 2021, Winter 2021)
- AAS 495: Senior Seminar in African Studies (Winter 2022)

## **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 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.

## **INVITED TALKS**

2020, November. "Order and the Underground: Governing the Goldfields of Madagascar." Invited talk with Forest Use, Energy, and Livelihoods (FUEL) Lab at the University of Michigan.

2020, March. "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).

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

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

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

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

## **CONFERENCE PRESENTATIONS**

2021, April. "Governance in the Diggings: Institutional Forms in Malagasy Artisanal and Small-Scale Mining." Presentation at International Studies Association Conference.

2021, April. "Mineral Commons: Collectively Claiming the Goldfields of Madagascar." Presentation at American Association of Geographers Conference.

2020, November. "Varieties of Resource Frontier Governance: Interrogating Institutional Forms in Malagasy Artisanal and Small-Scale Mining." Presentation at African Studies Association Conference.

2020, September. "Belonging and the Underground: Contested Institutions and Discursive (re)Alignments on Madagascar's Gold Frontier." Presentation at the POLLEN Biennial Conference.

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

2019, October. "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).

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

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

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

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

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

#### SERVICE TO THE DISCIPLINE

**Fellowships Committee Member**, Department of Afroamerican and African Studies, University of Michigan, 2020-2021

**Research Associate**, African Studies Center, University of Michigan, 2020-present

**Reviewer**, University of Michigan African Presidential Scholars (UMAPS) Program, African Studies Center, University of Michigan, 2020-2021

**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

## 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.

## POLICY & MEDIA OUTREACH

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

**Expert (Cited) Source** for Carver, E. (2020, October 21). “Madagascar shuts down ‘illegal’ gold mine but activists remain in legal limbo.” *Mongabay*. <https://news.mongabay.com/2020/10/madagascar-shuts-down-illegal-gold-mine-but-activists-remain-in-legal-limbo/>

**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](https://twitter.com/brian_i_klein), Facebook: [brian.i.klein](https://www.facebook.com/brian.i.klein))

## PROFESSIONAL AFFILIATIONS

American Association of Geographers  
African Studies Association  
Political Ecology Network  
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)