

FREDERICO FREITAS

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POSITIONS

Assistant Professor of Digital and Latin American History
Core Faculty at the Visual Narrative Cluster
North Carolina State University

EDUCATION

Ph.D. in Latin American History (2016)
Stanford University

Dissertation: “Boundaries of Nature: National Parks and Environmental Change at the Argentine-Brazilian Border, 1890-1990.”

Committee: Zephyr Frank (Chair), Richard White, Mikael Wolfe.

Examination Fields: Modern Latin America with Zephyr Frank, Colonial Latin America with Tamar Herzog, Environmental and Spatial History with Richard White, Transnational History with J. P. Daughton.

M.A. in Latin American History (2011)
Stanford University

B.A. in History (2008)
University of São Paulo

BOOKS (PEER-REVIEWED)

Nationalizing Nature: Iguazu Falls and National Parks at the Brazil-Argentina Border.
Cambridge: Cambridge University Press, 2021.

Big Water: The making of the borderlands between Brazil, Argentina, and Paraguay. Co-edited with Jake Blanc. Tucson, AZ: University of Arizona Press, 2018.

CHAPTERS AND ARTICLES (PEER-REVIEWED)

“Hunters, Rangers, Cougars, and Jaguars: human and nonhuman territories at the Argentine-Brazilian border, 1960s-1980s.” *HCSM* 28, no. 4 (Oct-Dec, 2021): forthcoming.

“Protected Areas in Brazil: History and Current Status.” In *The Oxford Research Encyclopedia of Latin American History*. New York: Oxford University Press, 2021.

“Conservation frontier: The creation of protected areas in the Brazilian Amazonia.” In *Frontiers of Development in the Amazon: Riches, Risks, and Resistances*. Edited by Antonio Ioris et al. Lanham, MD: Lexington Books, 2020, 51-79.

“Terras públicas e política de conservação da natureza: o caos fundiário na formação do Parque Nacional do Iguaçu.” In *História Ambiental: Natureza, Sociedade, Fronteira, volume 3*. Edited by José Augusto Drummond et al. Rio de Janeiro: Garamond, 2020, 227-252.

“Argentinizing the Border: Conservation and Colonization in the Iguazú National Park, 1890s-1950s.” Individual contribution to the *Big Water* volume, 2018, 105-128.

“Introduction.” Co-written with Jacob Blanc for the *Big Water* volume, 2018, 2-21.

“Ordering the Borderland: Settlement and Removal in the Iguaçú National Park, Brazil, 1940s-1970s.” In *The Nature State: Rethinking the History of Conservation*. Edited by Hardenberg et al. New York: Routledge, 2017, 158-175.

“A Park for the Borderlands: The Creation of the Iguaçú National Park in Southern Brazil, 1880-1940.” *Hib: Revista de História Iberoamericana* 7, no. 2 (2014): 65-88.

“As Viagens de Francisco Moreno: Visões da Natureza e Construção da Nação no Extremo Sul Argentino, 1873-1906.” *Revista Angelus Novus* 1, no. 1 (2010): 115-143.

OTHER PUBLICATIONS (NON PEER-REVIEWED)

Review of Olaf Kaltmeier’s *National Parks from North to South*. For *Historia Ambiental Latinoamericana y Caribeña*, forthcoming 2021.

“Um Parque para a Fronteira: A Criação do Parque Nacional do Iguaçú no Sul do Brasil, 1880-1940” *Cadernos do CEOM*, forthcoming 2021.

Review of Ben Nobbs-Thiessen’s *Landscape of Migration: Mobility and Environmental Change on Bolivia’s Tropical Frontier, 1952 to the Present*. In *Environment & History* 27, no. 2 (May 2021): 323-325.

Review of Jake Blanc’s *Before the Flood: The Itaipu Dam and the Visibility of Rural Brazil*. In *Bulletin of Latin American Research* 40, no. 1 (January 2021): 150-152.

“Structure of an interdisciplinary group project.” In *The Academic’s Handbook*, 4th edition. Edited by Jocelyn Olcott and Lori Flores. Durham: Duke University Press, 2020, 172-173.

Review of Javiera Barandiarán’s. *Science and Environment in Chile: The Politics of Expert Advice in a Neoliberal Democracy*. For H-Environment, Roundtable Review 9, no. 5 (May 2019): 8-11.

“How Brazil’s Neo-Fascism Threatens the Planet.” *Current Affairs* (November 2018).

“The Brazilian Nostalgia for Dictatorship.” *Current Affairs* (October 2018).

Review of Thomas Nail’s *Theory of the Border*. For H-Environment, H-Net Reviews (January 2017).

“Espaço, História e Ambiente: Entendendo o Desmatamento Através do SIG Histórico, Minas Gerais 1750-1840.” In *Ensaio em Ciências Ambientais: Crises Riscos e Racionalidades*. Edited by Sandro Dutra e Silva et al. Rio de Janeiro: Garamond, 2016, 217-248.

“The Guarani and the Iguaçú National Park: An Environmental History.” *ReVista: Harvard Review of Latin America* 14, no. 3 (Spring 2015): 18-22.

“Spatial History and Digital Humanities, an Interview with Brazilianist Zephyr Frank.” *História e Cultura* 3, no. 1 (2014): 375-392.

“Land Use and Deforestation in Southeastern Brazil, 1753-1840.” *Fronteiras: Journal of Social, Technological, and Environmental Science* 2, no. 2 (2013): 49-77.

Review of Martha Few and Zeb Tortorici (Org.), *Centering Animals in Latin American History*. In *Historia Ambiental Latinoamericana y Caribeña* 3, no. 1 (2013-2014): 229-232.

Translation from Portuguese to English: Eduardo Viveiros de Castro. “Some Reflections on the Notion of Species in History and Anthropology.” *E-Misférica/Hemispheric Institute of*

Performance and Politics 10, no. 1 (2013).

Translation from English to Portuguese: Ed Cohen. "Tendências Humanas." *E-Misférica/Hemispheric Institute of Performance and Politics* 10, no. 1 (2013).

WORK IN PROGRESS

"Characterizing Street-Level Markers of Recession with Computer Vision." Co-written with Arnav Jhala. Submitted to *AI & Society* in May 2021, under review.

The Interior: Rethinking Brazilian History from the Inside. Co-edited with Jacob Blanc. Under consideration by University of Texas Press.

"Charting the Planalto Central: the Quest for a New Capital and the Opening of the Brazilian Interior, 1877-1896." Chapter for *The Interior* volume.

Concrete Tropics: An Environmental History of Brazil's Modernist Capital. Second book project on the environmental history of Brasília.

"Spatial Change in Brasília," Historical GIS project, with Jason Boan and Jonathan Schwartz.

Article on National Parks in Latin America between 1930s and 1980s, co-written with Claudia Leal and Emily Wakild.

Co-Investigator, "Urban Panorama," Visual Narrative Initiative, North Carolina State University, and Spatial History Project, Stanford University (2017-).

Co-Investigator, "Street Feature-Location Mapping Tool," Visual Narrative Initiative, North Carolina State University (2018-).

CONFERENCE PAPERS

"Charting the Planalto Central: the quest for a new capital and the opening of the Brazilian interior savanna in the 1890s." Paper presented at the Conference of the Southeastern Conference of Latin American Studies, (via Zoom), April 2021.

"Characterizing Street-Level Markers of Recession with Computer Vision." Paper presented at the Embedding AI in Society Rabb Symposium at NC State University, NC (via Zoom), February 2021.

"Urban Panorama: Cluster-based Street Feature-Location Mapping in Philadelphia." Paper accepted at the Keystone DH Conference. The conference was cancelled due to the coronavirus pandemic. Temple University, PA, July 2020.

"Conservation frontier: The creation of protected areas in the Brazilian Amazonia." Paper accepted at the X Symposium of the Society for Latin American and Caribbean Environmental History. The symposium was cancelled due to the coronavirus pandemic. Quito, Ecuador, July 2020.

"Urban Panorama: t-SNE Street Feature Mapping Tool." Paper presented at the Association for Computers and Humanities Conference, Pittsburgh, PA, July 2019.

"Amazonia as a natural frontier: national parks and development in the 1970s." Paper presented at the International Conference of the Brazilian Studies Association, Rio de Janeiro, Brazil, July 2018.

"Nature State as a Frontier State: national parks and frontier development in Brazil, 1937-1980." Paper presented at the Annual Conference of the American Society of Environmental History, Riverside, CA, March 2018.

“Hunters, Rangers, Cougars, and Jaguars: human and nonhuman territories at the Argentine-Brazilian border, 1960s-1980s.” Paper presented at the Annual Meeting of the American Historical Association, Washington, DC, January 2018.

“Agrarian Reform at the Border: Settler Removal and Resistance in the Iguazu National Park, Brazil, 1944-1982.” Paper presented at the Congress of the Latin American Studies Association, Lima, Peru, April 2017.

“Colonization Parks: Nature Conservation and State-Sponsored Settlement in Argentine National Parks, 1934-1978.” Paper accepted at the Conference of the Rocky Mountain Council for Latin American Studies, Salt Lake City, April 2017.

“Inspecting the boundary: the discourse and practice of conservation surveillance at the Argentine-Brazilian border.” Paper presented at the Conference of the Southeastern Conference of Latin American Studies, Chapel Hill, March 2017.

“Cat Geographies: Encounters between Humans, Cougars, and Jaguars at the Argentine-Brazilian border, 1950s-1980s.” Paper presented at the Annual Conference of the American Society for Environmental History, Seattle, March 2016.

“Territories of Nature: the Military and National Park Displacement in Southern Brazil, 1940-1980.” Paper presented at the Annual Conference of the American Society for Environmental History, Washington DC, March 2015.

“Territories of Nature: Settlement and Removal in the Iguazu National Park, 1940-1980,” and “Cataratas em Disputa: Geopolítica e a Criação do Parque Nacional do Iguazu no Brasil dos Anos 30.” Papers presented at the 7th Symposium of Environmental History in Latin America and the Caribbean, University of Quilmes, Argentina, October 2014.

“The Organic Territory: The Vargas Regime and the Environmental Legislation Boom in Brazil, 1930-1945.” Paper presented at the 2nd World Congress of Environmental History, University of Minho at Guimarães, Portugal, July 2014.

“Disputed Falls: National Parks and the Brazilian Southwestern Borderlands 1910s-1940s.” Paper presented at the Questioning Spaces of Citizenship in Latin America and the Caribbean Conference, Columbia University, April 2014.

“Desafios e possibilidades ao uso dos Sistemas de Informação Geográfica na História.” Paper presented with Martha Rabelatto at the 5th Symposium on Slavery and Freedom in Southern Brazil, Federal University of Porto Alegre, Brazil, May 2011.

“O Impulso da Automação - Racionalismo e Controle na Relação entre os Homens e os Outros Animais no Pós-Guerra.” Paper presented at the 3rd Seminar on Animal Studies, University of São Paulo, Brazil, December 2009.

INVITED TALKS

“História da Criação do Parque Nacional do Iguazu,” public hearing at the Paraná State Assembly on Brazilian environmental policy (via Zoom), Brazil, May 2021.

“Double Book Launch: Conflict, Borders, and the Nature State,” Book Talk on *Nationalizing Nature*. Environmental History Week, American Society for Environmental History (via Zoom), April 2021.

Book Talk on *Nationalizing Nature*. The Greenhouse Seminar, University of Stavanger, Norway (via Zoom), April 2021.

Book Talk on *Nationalizing Nature*. New Research on Latin American Borderlands Latin Seminar, Boston College, MA (via Zoom), April 2021.

“Viewing Latin America From Above: Using Aerial and Satellite Imagery in Latin America Environmental History.” Webinar at the Center for Latin American Studies at the University of Chicago, IL (via Zoom), November 2020.

“Charting the Planalto Central: the Quest for a New Capital and the Opening of the Brazilian Interior, 1877-1896.” Chapter presentation. NC State University and University of Edinburgh, (via Zoom), October 2020.

“Interior History: Rethinking Brazil from the inside.” Comments presented on four papers presented at the Annual Meeting of the American Historical Association, Washington, DC, January 2020.

“Urban Panorama: t-SNE Street Feature Mapping Tool.” Presentation of visualization tool at the Coffee and Viz. Talk Series, NC State University, NC, November 2019.

“Landscape change at the Argentine-Brazilian border, 1953-2017.” Workshop at the Latin American Studies Association, Boston, MA, May 2019.

“The Geography of Poaching: Illegal Hunting and Heart-of-Palm Theft at the Brazilian-Argentine Frontier, 1940s-1970s.” Paper presented at the XIII Brown Conference of Latin American Studies, UNC-Charlotte, NC, April 2019.

“Urban Panorama: Interfaces into Historic Urban Street-level Photography.” Talk with Todd Berreth (Visual Narrative Initiative) at the Visualization Friday Forum, Duke University, NC, February 2019.

“Boundaries of Nature: National Parks and Environmental Change at the Argentine-Brazilian Border, 1890-1990.” Roundtable talk at the Annual Meeting of the American Historical Association, Chicago, IL, January 2019.

“Deforestation and greenhouse gases emissions in Brazil – Lessons from the Workers’ Party years.” Paper presented at the The Future of the Left in Latin America Conference, The New School, New York, NY, October 2018.

“Urban Panorama: A Digital History Project.” Paper presented at the Center for Spatial and Textual Analysis at Stanford University, CA, April 2018.

“Territorializing Nature: The Making of National Parks at the Argentine-Brazilian Border.” Paper presented at the Global Brazil Humanities Lab, Duke University, November 2016.

“O Foco da Desordem: Navegação e Segurança Nacional na Bacia do Paraná, Argentina e Brasil, 1890-1940.” Paper presented at the Workshop on Maritime History, Navigation, and Geopolitics, University of São Paulo, July 2016.

“Boundaries of Nature: National Parks in a South-American Borderland, 1930s-1980s.” Stanford Humanities Center, Stanford University, May 2016.

“The Contradictions of Argentine Conservationism: Development and Conservation in Argentina’s National Parks, 1934-1980.” Paper presented at the Intersections of Development in Latin America Symposium, Center for Latin American Studies, Stanford University, May 2015.

“Conserving the Iguazu Falls between Brazil and Argentina, 1950-1980.” Paper presented at the Environmental Histories of Latin America Faculty Workshop, Stanford University, April 2015.

“Boundaries, Settlers, and Forests: Occupation and Displacement in a Brazilian National Park.” Paper presented at the Archaeologies of Inhabitation and Displacement, Blokker Research Workshop in the Humanities, Stanford University, March 2015.

“Desafios e Possibilidades da História Ambiental: um balanço dos últimos 40 anos da disciplina.” Federal University of Paraná, Brazil, September 2013.

“Storyboarding for Interactive Visualizations.” Spatial History Laboratory, Stanford University, July 2012.

“Adobe Illustrator and GIS.” Spatial History Laboratory, Stanford University, July 2012.

“Latin America and the International System before 1945.” Guest lecture at the “History of the International System Since 1914” course, Stanford University, May 2012.

GRANTS/FELLOWSHIPS AWARDED

Non-laboratory Scholarship/Research Support Program (NSRP) (co-PI), North Carolina State University - 2020.

National Endowment for the Humanities (NEH), Fellowship (\$60,000) - 2019-2020.

Non-laboratory Scholarship/Research Support Program (NSRP) (co-PI), North Carolina State University - 2019.

DELTA Blended Learning Grant (co-PI), North Carolina State University - 2017-2018.

Geballe Dissertation Prize Fellowship, Stanford Humanities Center, Stanford University - 2015-2016.

The American Society for Environmental History, Travel Grant - 2015.

John D. Wirth Fund - Department of History, Stanford University, Research Grant - Summer 2014.

Center for Spatial and Textual Analysis, Stanford University, Research Grant - Summer 2014.

American Historical Association, Albert J. Beveridge Grant for research in the history of the Western hemisphere - 2013.

School of Humanities and Sciences, Stanford University, Graduate Research Opportunity Funds (GRO) - Spring 2013.

Center for Latin American Studies, Stanford University, Working Group Grant - 2013.

Department of History, Stanford University, Doctoral Fellowship - 2010-2015.

National Council for Scientific and Technological Development (CNPq), Brazil - 2008.

GRANTS/FELLOWSHIPS NOT AWARDED

National Science Foundation (NSF), Human-Environment and Geography Sciences Program, 2020, main-PI (\$399,079)

National Science Foundation (NSF), Geography and Spatial Sciences Program, 2019, main-PI (\$399,801)

Residential Fellowship at the Notre Dame Institute for Advanced Study (NDIAS), 2018-2019.

Carson Writing Fellowship at the Rachel Carson Center for Environment and Society (RCC), 2018-2019.

Weatherhead Residential Fellowship at the School for Advanced Research (SAR), 2018-2019.

National Endowment for the Humanities (NEH), Digital Advancement Grant, 2018, main-PI, (\$74,549)

American Council of Learned Societies (ACLS), Digital Extension Grant, 2017, main-PI (\$148,477)

RESEARCH EXPERIENCE

Principal Investigator, “Urban Panorama Project,” and “Street Feature-Location Mapping Tool,” Visual Narrative Initiative, North Carolina State University, 2017-.

Co-Investigator, “Spatial History of Rio de Janeiro,” Center for Spatial and Textual Analysis, Stanford University. (2015-16)

Research Coordinator, Professor Zephyr Frank, Center for Spatial and Textual Analysis, Stanford University, Summer 2015.

Principal Investigator, “Boundaries of Nature Project,” Center for Spatial and Textual Analysis, Stanford University, Winter 2014—Summer 2015.

Research Coordinator, Visiting Professor Iris Kantor (University of São Paulo), “Colonial Portuguese Lands Project,” Spatial History Lab, Stanford University, Winter—Spring 2012.

Research Coordinator, Professor Zephyr Frank, “Terrain of History Project,” Spatial History Lab, Stanford University, Summer 2011.

OUTSIDE/PEER REVIEWER

Oxford Research Encyclopedia of Latin American Studies, May 2020.

Bodies and Structures, May 2020.

Journal of Latin American Studies, April 2018.

National Geographic Society grant, February 2017.

NEH, Digging into Data Challenge grant, November 2016.

DIGITAL HUMANITIES PORTFOLIO

Landscape Change in Brasília: Development and land use change in the Brazilian capital, from the 1970s to the present, StoryMap visualization, 2020

<https://go.ncsu.edu/brasilgia.landchange>

The Making of a Forest: Landscape Change at the Argentine-Brazilian Border, StoryMap visualization, 2017

<https://arcg.is/uquTq>

Spatial History of Rio de Janeiro, animated prototype, 2015

www.youtube.com/watch?v=4I54tB1dF4k

Boundaries of Nature: Sixty Years of Landscape Change in the Iguaçu National Park, Brazil, visualization, 2014

cesta.stanford.edu/projects/boundaries/

The Posthumous Memoirs of Bras Cubas, visualization, 2011

web.stanford.edu/group/spatialhistory/cgi-bin/site/viz.php?id=377&

The Plays of França Júnior, visualization, 2011

web.stanford.edu/group/spatialhistory/cgi-bin/site/viz.php?id=375&

TEACHING EXPERIENCE

Assistant Professor

“U.S.-Latin American relations,” graduate/undergraduate seminar, 2018.

“Latin America since 1826,” undergraduate survey, 2016-2019, 2021.

“Spatial History,” graduate seminar, 2017, 2019.

“Theory and Practice of Digital History,” graduate/undergraduate seminar, 2016-2018, 2021.

Teaching Fellow

“From Coffee to Cocaine: Commodities, Environment, and Society in Modern South America,” upper undergraduate seminar for history majors, Stanford University, 2013.

Teaching Assistant

“Human Society and Environmental Change” (Zephyr Frank, Roz Naylor, Rodrigo Pizarro), undergraduate seminar for earth-systems majors. Stanford University, 2012.

“The International System Since 1914” (Norman Naimark), undergraduate survey lecture and discussion sessions, Stanford University, 2012.

“Culture, Society and Politics in Latin America” (Patrick Iber), undergraduate survey lecture and discussion sessions, Stanford University, 2011.

TEACHING FIELDS

Digital Humanities/Historical GIS

Latin American History (Colonial and Modern)

Environmental History (Early Modern and Modern)

Global History (Modern)

Political Ecology

Animal Studies

PROFESSIONAL SERVICE

Workshop Coordinator, “Interior History of Brazil,” North Carolina State University and University of Edinburg (over Zoom), October 2020.

Faculty Reviewer and Commentator, Sociedad Latinoamericana y Caribeña de Historia Ambiental—Graduate Colloquium, Stanford University, November 2019.

Search Committee Member, Search Committee for History of Africa Post-Doc, North Carolina State University, Spring 2019.

Faculty Advisor, Brazilian Student Association, North Carolina State University, 2018-2019.

Symposium Coordinator, “R. L. Rabb Science and Society Symposium—Urban Sustainability in Latin America and South Asia,” North Carolina State University, September 2018.

Interviewer, Park Scholarships Finalists, North Carolina State University, 2018.

Departmental Committee Member, Curriculum Committee (2016-2018), Points Committee (2017-2018), Strategic Planning and Diversity Committee (2018-2020), Budget Committee (2020-2021), North Carolina State University.

Graduate Student Coordinator, “Environmental Histories of Latin America: Faculty Workshop,” Stanford University, April 2015.

Symposium Coordinator, “Dialogues Between Brazilian History and Literature,” Stanford University, May 2013.

Workshop Coordinator, “The Southern Cone Research Network,” Stanford University, May 2012.

Search Committee Member, Stanford History Department Search Committee for Assistant Professor of Latin American History, 2011-2012.

GRADUATE ADVISING

MA in History (Committee Member)

Kip Perry, NCSU (ongoing)

James White, NCSU (2021)

MA in Public History (Committee Member)

Rachel Webberman, NCSU (2021)

Anna Spencer, NCSU (2019)

Catherine Stiers, NCSU (2019)

Leah Bullard, NCSU (2018)

Taylor de Klerk, NCSU (2018)

Claire Du Laney, NCSU (2018)

Ethan Ley, NCSU (2017)

Jason Norris, NCSU (2017)

Marie Nicole Coscolluela, NCSU (2017)

PhD in Public History (Committee Member)

Petros Apostolopoulos, NCSU (ongoing)

Kathryn Schinabeck, NCSU (ongoing)

PhD in Public History (Main Advisor)

Jason Boan, NCSU (ongoing)

PhD in Design (Committee Member)

Abdulrahman Alraddadi, NCSU (ongoing)

PROFESSIONAL CAREER

Art Director at Tempo Design. (2000-2009)

Developed motion graphics for advertisement, cinema, and broadcast. Worked with corporate clients such as Coca-Cola, Volkswagen, MTV, Globo. Created multimedia projections for museum and theater. Designed for print.

Art Director at Cinética Design. (1999-2007)

Developed motion graphics for advertisement, cinema, and broadcast. Designed for print.

Graphic Designer at Galactiae Studios. (1996-1999)

Executed motion graphics for advertisement, and broadcast.

DESIGN/MOTION GRAPHICS PORTFOLIO

Frederico Freitas, personal website, 2020

fredericofreitas.org

SKILLS

Image Edition/Illustration/Design (Adobe Photoshop, Adobe Illustrator) *advanced*

2D Motion Graphics (Adobe After Effects) *advanced*

Film Editing (Adobe Premiere, Final Cut Pro) *intermediate*

3D Animation (Autodesk Maya) *basic*

Coding (Html, JavaScript, Python) *basic*

GIS (ESRI ArcGIS, QGIS) *intermediate to advanced*

Remote Sensing Analysis (ENVI) *basic*

LANGUAGES

Portuguese – native/academic

Spanish - fluent speaking, reading, and writing

French and Italian - reading