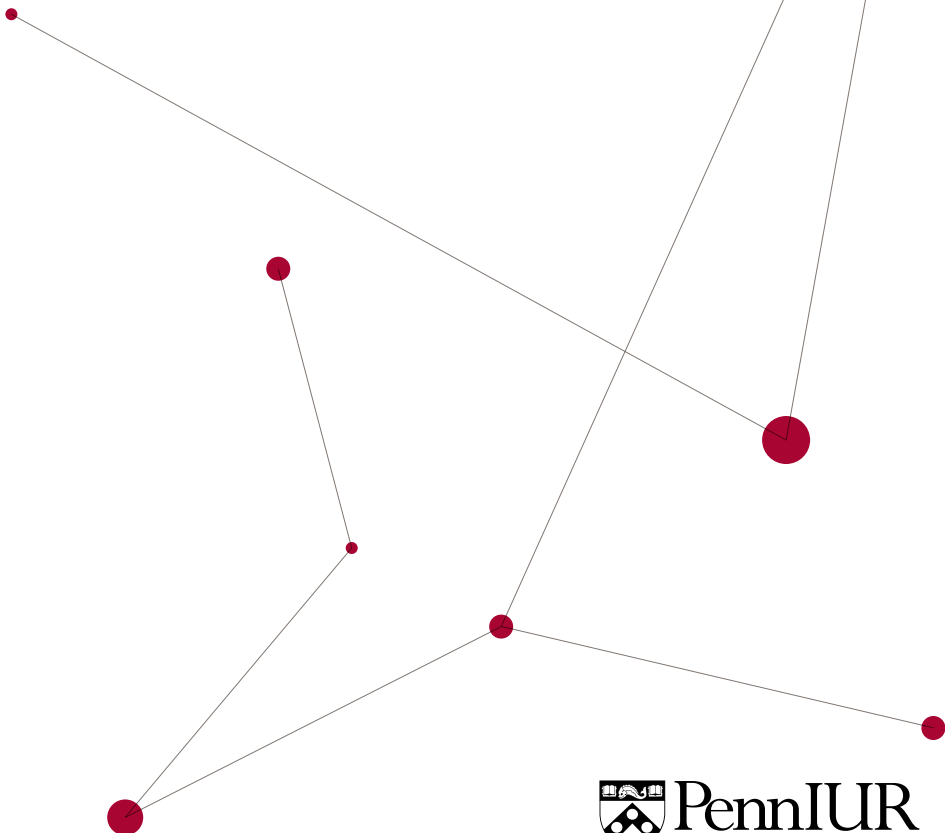


# UNDERSTANDING OUR CITIES, UNDERSTANDING OUR WORLD

Penn Institute for Urban Research  
**HABITAT III EXHIBITION CATALOGUE**

QUITO, ECUADOR  
15-20 OCTOBER 2016



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## PENN IUR AT HABITAT III

**THE PENN INSTITUTE FOR URBAN RESEARCH (PENN IUR) AT THE UNIVERSITY OF PENNSYLVANIA PRESENTS THE FOLLOWING RESEARCH PROJECTS AND PUBLICATIONS. THESE WORKS, WHICH EMANATE FROM THE INSTITUTE AND FROM FACULTY ACROSS THE UNIVERSITY, EXEMPLIFY MULTI-DISCIPLINARY SCHOLARSHIP RELATED TO THE GOALS OF HABITAT III AND THE NEW URBAN AGENDA.**

Penn IUR and faculty from across the University of Pennsylvania are working to achieve sustainable urbanization locally and globally. Through basic, applied, and translational research, they bridge academia and practice in a wide range of disciplines in Penn's 12 schools (School of Arts and Sciences, Wharton School of Business, Annenberg School for Communication, School of Dental Medicine, School of Design, Graduate School of Education, School of Engineering and Applied Science, Law School, Perelman School of Medicine, School of Nursing, School of Social Policy and Practice, and School of Veterinary Medicine). The projects catalogued here are a small sampling of the work done at Penn in support of the New Urban Agenda.

## PENN IUR EN HABITAT III

**EL INSTITUTO PENN PARA LAS INVESTIGACIONES URBANAS EN LA UNIVERSIDAD DE PENSILVANIA (PENN IUR) PRESENTA LOS SIGUIENTES PROYECTOS DE INVESTIGACIÓN Y DE PUBLICACIÓN. ESTOS TRABAJOS, LOS CUALES EMANAN DEL INSTITUTO Y DE VARIAS FACULTADES DE LA UNIVERSIDAD, EJEMPLIFICA LA ERUDICIÓN MULTIDISCIPLINARIA RELACIONADA CON LAS METAS DE HABITAT III ADEMÁS DE LA NUEVA AGENDA URBANA.**

Penn IUR y la facultad de la universidad están trabajando juntos para lograr una urbanización sustentable tanto local como globalmente. Mediante investigaciones básicas, aplicadas, y transversales, éstas cierran la brecha entre teoría y práctica a través de múltiples disciplinas a lo largo de las doce facultades de Penn (Artes y Ciencias, Escuela Wharton de Negocios, Escuela Annenberg de Comunicación, Escuela De Dentistas, Escuela de Diseño, Escuela Graduada de Educación, Escuela de Ingeniería y Ciencias Aplicadas, Escuela de Derecho, Escuela Perelman de Medicina, Escuela de Enfermería, Escuela de Políticas Sociales y Practicas, y la Escuela de Medicina Veterinaria). Los proyectos catalogados aquí ofrecen solo un muestreo del trabajo realizado en Penn en línea con la Nueva Agenda Urbana y que reafirma el compromiso global al desarrollo urbano sustentable como un paso crítico para un futuro de desarrollo sustentable.





# PENN IUR INITIATIVES INICIATIVAS DE PENN IUR

**PENN IUR LEADS AND CONTRIBUTES TO DIVERSE RESEARCH INITIATIVES TO INFORM SUSTAINABLE DEVELOPMENT IN RAPIDLY URBANIZING PLACES AS WELL AS IN ESTABLISHED CITIES. THE FOLLOWING PROJECTS AND PUBLICATIONS GENERATE NEW KNOWLEDGE AND FACILITATE THE EXCHANGE OF BEST PRACTICES ACROSS THE GLOBE.**

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**PENN IUR LIDERA Y CONTRIBUYE A DIVERSAS INICIATIVAS DE INVESTIGACIÓN PARA PROMOVER EL DESARROLLO SUSTENTABLE EN ZONAS DE RÁPIDA URBANIZACIÓN, ASÍ COMO EN CIUDADES YA CONSTITUIDAS. LOS SIGUIENTES PROYECTOS Y PUBLICACIONES GENERAN NUEVOS CONOCIMIENTOS Y FACILITAN EL INTERCAMBIO DE LAS MEJORES PRÁCTICAS A NIVEL MUNDIAL.**



## LAND FOR PUBLIC GOOD IN EMERGING ECONOMIES

With this initiative, Penn IUR is exploring how to create and monitor orderly urban development in rapidly urbanizing places. This two-stage project began with an examination of sites-and-services approaches that were popular in decades past. Working with Penn IUR's Undergraduate Urban Research Colloquium, Penn IUR looked closely at slum proliferation in Zambia. The first stage of the initiative also resulted in a new publication in The City in the 21st Century book series: *Slums: How Informal Real Estate Markets Work* (University of Pennsylvania Press, 2016).

The second stage is exploring the feasibility of re-envisioning existing approaches in order to create large, orderly, well-served land for anticipated urban development. This involves two projects: prototyping public service delivery in informal settlements and testing the land consumption/population growth indicator currently under consideration by the UN to measure growth in urban areas.

### TIERRA PARA EL BIEN PÚBLICO EN ECONOMÍAS EMERGENTES

Desde esta iniciativa, Penn IUR busca explorar como crear y monitorear el desarrollo urbano en zonas de rápida urbanización. El proyecto intenta explorar la posibilidad de re-imaginar acercamientos ya existentes dirigidos para crear grandes y ordenados espacios de tierra de cara al desarrollo urbano.

## GLOBAL SHIFTS: URBANIZATION, MIGRATION, AND DEMOGRAPHY

Urbanization, migration, and demographic changes are transforming the human environment, creating new challenges and opportunities. The UN High Commission for Refugees said in 2015 that the world faces the highest level of human displacement since its founding in 1950. At the same time, over 66% of the world's population will live in urban spaces by 2050, raising critical questions about urban vitality and sustainability.

Perry World House, University of Pennsylvania's new global research center, has launched the Global Shifts research program to foster exploration and dialogue around this critical issue. Perry World House has partnered with Penn IUR to produce a research digest for Habitat III, as well as to host a subsequent workshop to examine how insights from Habitat III can inform interdisciplinary research at Penn and to understand the challenges and opportunities of advancing the New Urban Agenda in the context of significant migration, urbanization, and demographic shifts. Activities will include a series of conferences and publications that link Penn's new research on this issue to the global policy community.

For more information, visit: [global.upenn.edu/perryworldhouse](http://global.upenn.edu/perryworldhouse).

### CAMBIOS GLOBALES: URBANIZACIÓN, MIGRACIÓN, Y DEMOGRAFÍA

La urbanización, la migración, y los cambios demográficos transforman el medioambiente, creando nuevos retos y oportunidades. La Casa Perry World, el nuevo centro global de investigación de la Universidad de Pensilvania, ha comenzado el programa 'Cambios Globales' (Global Shifts) con el propósito de investigar, fomentar la exploración, y generar diálogos en torno a esta problemática crítica. Penn IUR se honra de ser uno de los colaboradores de la Casa Perry World en esta temática de investigación.





## ENERGY SMART COMMUNITIES INITIATIVE (ESCI)

ESCI was established in 2010 to help APEC economies reduce the region's energy intensity. Managed by APEC's Energy Working Group (APEC-EWG), the initiative's preeminent project is its Knowledge Sharing Platform (ESCI-KSP), a web-based platform that highlights best practices and demonstration projects in energy efficient urban development in the study areas of transportation, buildings, smart grids, green employment, and industry.

Penn IUR, in partnership with the Taiwan Institute for Economic Research (TIER) and with funding from the National Development Council (NDC) of Taiwan, developed and has maintained the ESCI-KSP since its inception in 2011. In 2015–2016, Penn IUR handed off day-to-day management of the web platform to TIER, though Penn IUR continues to work with TIER to collect best practices for the ESCI-KSP and to present updates at APEC-EWG meetings. Penn IUR has also worked with TIER to organize the annual ESCI-KSP Best Practices Awards to recognize exceptional demonstrations of energy efficiency across the study areas.

For more information, visit: [www.esci-ksp.org](http://www.esci-ksp.org).

### LA INICIATIVA DE COMUNIDADES CON ENERGÍA INTELIGENTE (ESCI)

*La iniciativa ESCI comenzó en el 2010 con el propósito de asistir a las economías APEC a reducir la producción energética. Administrada por el Grupo de Trabajo Energético (APEC-EWG) las iniciativas del proyecto es su plataforma de Intercambio de Saber (ESCI-KSP), una plataforma en red que enfatiza las prácticas más eficaces y proyectos demostrativos de energética sustentable en las áreas de transporte, viviendas, contratación verde, diagramas inteligentes, e industria.*



## TRANSFORMING OUR ECONOMIES: PENN IUR/FEDERAL RESERVE BANK OF PHILADELPHIA PARTNERSHIP

Through an ongoing partnership with the Federal Reserve Bank of Philadelphia (Philadelphia Fed), Penn IUR fosters research and collaboration related to inclusive growth and revitalization of America's cities. Every other year, Penn IUR partners with the Philadelphia Fed to develop the research component of their biennial "Reinventing Our Communities" conference, which addresses issues specific to building shared prosperity in urban communities. The 2016 convening resulted in a series of working papers on this year's conference theme of "Transforming Our Economies."

Past conferences focused on the themes of "Bridging Growth and Opportunity" (2014), "Building Resilient Cities" (2012), "Rethink. Recover. Rebuild" (2010), and "How Does Place Matter?" (2008). These previous conference collaborations resulted in the publication of several books in the Penn Press/Penn IUR C21 book series, including: *Shared Prosperity in America's Communities* (2016), *Revitalizing American Cities* (2014), *The American Mortgage System: Crisis and Reform* (2011), and *Neighborhood and Life Chances: How Place Matters in Modern America* (2011).

### TRANSFORMANDO NUESTRAS ECONOMÍAS: EL PARTNERSHIP DEL PENN IUR/BANCO RESERVA FEDERAL DE FILADELPHIA

*A través de una continua colaboración con La Reserva del Banco Federal de Filadelfia, Penn IUR fomenta la investigación y colaboración relativa al crecimiento y revitalización de las ciudades norteamericanas. Este proyecto incluye conferencias y publicaciones, como el libro La propiedad compartida en las comunidades norteamericanas (Shared Prosperity in America's Communities 2016).*



### THE CITY IN THE 21ST CENTURY (C21) BOOK SERIES

Penn IUR's Co-directors Eugénie Birch and Susan Wachter edit the The City in the 21st Century (C21) book series published by University of Pennsylvania Press. This series explores the depth and breadth of contemporary urban scholarship across a wide range of disciplines—anthropology, planning, sociology, economics, architecture, urban design, political science, and history—and represents a cross-section of research and experience on the city across the developed and developing world.

The City in the 21st Century series includes the following 33 published titles, with more in development.

For more information, visit: [www.upenn.edu/pennpress/series/C21.html](http://www.upenn.edu/pennpress/series/C21.html).

#### LA CIUDAD EN EL SIGLO VEINTEIUNO (C21) SERIE DE LIBROS

Los co-directores de la Penn IUR, Eugénie Birch y Susan Wachter, editan la serie La ciudad en el siglo XXI (C21) publicada por la University of Pennsylvania Press. La serie explora se interesa por estudios urbanos contemporáneos a través de un conjunto de disciplinas, y representan una sección de la investigación y de la experiencia a lo largo del mundo desarrollado y de países en vías de desarrollo.

La Ciudad en el siglo XXI incluye el siguiente catálogo de treinta y dos títulos, con algunos otros en vías de aparición.

ROGER D. ABRAHAMS WITH NICK SPITZER, JOHN F. SZWED, AND ROBERT FARRIS THOMPSON, *Blues for New Orleans: Mardi Gras and America's Creole Soul* (2006)

ELIJAH ANDERSON WITH A FOREWORD BY CORNEL WEST, EDITOR, *Against the Wall: Poor, Young, Black, and Male* (2009)

EUGÉNIE L. BIRCH AND SUSAN M. WACHTER, EDITORS, *Rebuilding Urban Places After Disaster: Lessons from Hurricane Katrina* (2006)

EUGÉNIE L. BIRCH AND SUSAN M. WACHTER, EDITORS, *Growing Greener Cities: Urban Sustainability in the Twenty-First Century* (2008)

EUGÉNIE L. BIRCH AND SUSAN M. WACHTER, EDITORS, *Global Urbanization* (2011)

EUGÉNIE L. BIRCH, SHAHANA CHATTARAJ, AND SUSAN M. WACHTER, *Slums: How Informal Real Estate Markets Work* (2016)

EDWARD J. BLAKELY WITH A FOREWORD BY HENRY CISNEROS, *My Storm: Managing the Recovery of New Orleans in the Wake of Katrina* (2011)

PETER HENDEE BROWN, *America's Waterfront Revival: Port Authorities and Urban Redevelopment* (2008)

PETER HENDEE BROWN, *How Real Estate Developers Think: Design, Profits, and Community* (2015)

JON CALAME AND ESTHER CHARLESWORTH, *Divided Cities: Belfast, Beirut, Jerusalem, Mostar, and Nicosia* (2011)

NAOMI CARMON AND SUSAN FAINSTEIN, *Policy, Planning, and People: Promoting Justice in Urban Development* (2013)

RAM CNAAN WITH STEPHANIE C. BODDIE, CHARLENE C. MCGREW, AND JENNIFER KANG, *The Other Philadelphia Story: How Local Congregations Support Quality of Life in Urban America* (2006)

MARGARET DEWAR AND JUNE MANNING THOMAS, EDITORS, *The City After Abandonment* (2012)

MANNY DIAZ WITH A FOREWORD BY MICHAEL BLOOMBERG, *Miami Transformed: Rebuilding America One Neighborhood, One City at a Time* (2012)

ZAIRE ZENIT DINZEY-FLORES, *Locked In, Locked Out: Gated Communities in a Puerto Rican City* (2013)

GREGORY L. HELLER WITH A FOREWORD BY ALEXANDER GARVIN, *Ed Bacon: Planning, Politics, and the Building of Modern Philadelphia* (2013)

MICHAEL B. KATZ, *Why Don't American Cities Burn?* (2011)

SCOTT KNOWLES, *The Disaster Experts: Mastering Risk in Modern America* (2011)

MARTIN KRIEGER, *Urban Tomographies* (2011)

CHRISTIAN KROHN-HANSEN, *Making New York Dominican: Small Business, Politics, and Everyday Life* (2012)

AFAF IBRAHIM MELEIS, EUGÉNIE L. BIRCH, AND SUSAN M. WACHTER, EDITORS, *Women's Health and the World's Cities* (2011)

HARRIET B. NEWBURGER, EUGÉNIE L. BIRCH, AND SUSAN M. WACHTER, EDITORS, *Neighborhood and Life Chances: How Place Matters in Modern America* (2011)

LAURA W. PERNA, EDITOR, *Preparing Today's Students for Tomorrow's Jobs in Metropolitan America* (2012)

MARINA PETERSON, *Sound, Space, and the City: Civic Performance in Downtown Los Angeles* (2010)

MARINA PETERSON AND GARY McDONOGH, EDITORS, *Global Downtowns* (2011)

JUDITH RODIN, *The University and Urban Revival: Out of the Ivory Tower and Into the Streets* (2007)

BRENT D. RYAN, *Design After Decline: How America Rebuilds Shrinking Cities* (2012)

JOHN TIMONEY WITH A FOREWORD BY TOM WOLFE, *Beat Cop to Top Cop: A Tale of Three Cities* (2010)

SUSAN M. WACHTER AND MARVIN M. SMITH, EDITORS, *The American Mortgage System: Crisis and Reform* (2011)

SUSAN M. WACHTER AND KIMBERLY A. ZEULI, EDITORS, *Revitalizing American Cities* (2013)

SUSAN M. WACHTER, EDITOR, *Public Pensions and City Solvency* (2015)

SUSAN M. WACHTER AND LEI DING, EDITORS, *Shared Prosperity in America's Communities* (2016)

SUSAN M. WACHTER AND JOSEPH TRACY, EDITORS, *Principles of Housing Finance Reform* (2016)



**C21 BOOK:****SLUMS: HOW INFORMAL REAL ESTATE MARKETS WORK**

**EDITED BY EUGÉNIE BIRCH, SHAHANA CHATTARAJ,  
AND SUSAN WACHTER**

*Slums: How Informal Real Estate Markets Work* (2016) shows that unauthorized settlements in rapidly growing cities are not divorced from market forces; rather, they must be understood as complex environments where state policies and market actors do play a role. In this volume, contributors examine how the form and function of informal real estate markets are shaped by legal systems governing property rights, by national and local policy, and by historical and geographic particularities of specific neighborhoods.

Chapters provide detailed portraits of individuals and community organizations, revealing in granular detail the workings of informal real estate markets, and they review programs that have been implemented in unconventional settlements to provide lessons about the effectiveness and implementation challenges of different approaches.

Contributors include: Arthur Acolin, Sai Balakrishnan, Eugénie Birch, José Brakarz, Shahana Chattaraj, Sebastian Galiani, David Gouverneur, Yvonne Mautner, Paavo Monkkonen, Vinit Mukhija, Janice Perlman, Lucas Ronconi, Bish Sanyal, Ernesto Schargrodsky, Patrícia Cezário Silva, and Susan Wachter.

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**LIBRO C21:**  
**SLUMS: COMO FUNCIONA EL MERCADO INFORMAL DE LA INMOBILIARIA (2016)**  
**EDITADO POR EUGÉNIE BIRCH, SHAHANA CHATTARAJ, Y SUSAN WACHTER**  
*El libro Slums: Como funciona el mercado informal de la inmobiliaria muestra que los asentamientos sin autorización se encuentran en rápido ascenso en las ciudades en relación con las fuerzas de mercado. Estas transformaciones debe ser entendidas como medioambientes complejos donde las políticas del estado y los actores de mercado aun juegan un papel fundamental.*

**C21 BOOK:****GLOBAL URBANIZATION**

**EDITED BY EUGÉNIE BIRCH AND SUSAN WACHTER**

*Global Urbanization* (2011) surveys essential dimensions of worldwide urban growth and begins to formulate a global urban agenda for the next half century. Drawing from many disciplines, the contributors tackle issues ranging from how cities can keep up with fast-growing housing needs to the possibilities for public-private partnerships in urban governance. Several essays address the role that cutting-edge technologies such as GIS software, remote sensing, and predictive growth models can play in tracking and forecasting urban growth. Reflecting the central importance of the Global South to 21st-century urbanism, the volume includes case studies and examples from China, India, Uganda, Kenya, and Brazil.

Contributors include: Nefise Bazoglu, Eugénie Birch, Joel E. Cohen, Kyung-Hwan Kim, John D. Landis, Shuaib Lwasa, Faith Macharia, Stephen Malpezzi, Mark R. Montgomery, Wilber K. Ottichilo, Suzana Pasternak, Lynne B. Sagalyn, Karen C. Seto, Deborah Balk, Stephen Sheppard, Paul Smoke, Vinod Tewari, Susan Wachter, Douglas Webster, and Anthony Yeh.

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**LIBRO C21:**  
**URBANIZACIÓN GLOBAL (2011)**

**EDITADO POR EUGÉNIE BIRCH Y SUSAN WACHTER**

*La urbanización global repasa las dimensiones centrales de este crecimiento y da paso a formular una agenda urbana global para los próximos cincuenta años. En diálogo con múltiples disciplinas, los contribuyentes del volumen confrontan problemas diversos, como por ejemplo la manera en que la ascendiente necesidad de viviendas o las posibilidades de colaboración entre el sector público y privado en la conducción del gobierno urbano.*





**C21 BOOK:**  
**WOMEN'S HEALTH AND THE WORLD'S CITIES**  
**EDITED BY AFAF IBRAHIM MELEIS, EUGÉNIE BIRCH,**  
**AND SUSAN WACHTER**

*Women's Health and the World's Cities* (2011) illuminates the intersection of gender, health, and urban environments. Chapters examine the impact of urban living on the physical and psychological states of women and girls in Africa, Asia, Latin America, and the United States. Urban planners, scholars, medical practitioners, and activists present original research and compelling ideas. They consider the specific needs of subpopulations of urban women and evaluate strategies for designing spaces, services, and infrastructure in ways that promote women's health.

Contributors include: Eugénie Birch, Manupreet Chawla, Diane Cornman-Levy, Rosaly Correa-de-Araujo, Nida H. Corry, Grace R. Dyrness, Julio Frenk, Claudia Garcia-Moreno, Jane Golden, Octavio Gómez-Dantés, David Gouverneur, Jeane Ann Grisso, Amy Gutmann, Anne Hochwalt, Brad Kerner, Ruth Levine, Carol A. McLaughlin, Afaf Ibrahim Meleis, DeAnne K. Hilfinger Messias, Tina C. Musuya, Francisca M. Mwangangi, Sheela Patel, Vivian W. Pinn, Katherina M. Rosqueta, Shweta Shukla, Varina Tjon-A-Ten, and Susan Wachter.

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**LIBRO C21:**  
**LA SALUD DE**  
**LAS MUJERES Y**  
**LAS CIUDADES**  
**GLOBALES (2011)**  
**EDITADO POR AFAF**  
**IBRAHIM MELEIS,**  
**EUGÉNIE BIRCH,**  
**Y SUSAN WACHTER**  
 La salud de las mujeres y las ciudades globales busca arrojar luz a la intersección entre género, salud, y medioambiente. Los capítulos del libro examinan el impacto de la convivencia urbana en el estado físico y psicológico de mujeres y niñas de África, Asia, América Latina, y los Estados Unidos.



**RAPID RESEARCH DISSEMINATION:**  
**URBAN RESEARCH eJOURNAL**

Penn IUR's *Urban Research eJournal*, published twice weekly through the Social Science Research Network (SSRN), gathers and distributes new research that addresses the governance, policy, economics, design, and social questions that surround global urbanization. The eJournal highlights the urban-focused research of scholars worldwide. Since its inception in 2012, *Urban Research eJournal* articles have been downloaded over 500,000 times.

**URBAN LINK**

*Urban Link*, Penn IUR's monthly e-newsletter, features expert commentary on topical urban issues and highlights Penn IUR news and events. Penn IUR's Faculty Fellows and Scholars write *Urban Link*'s articles, allowing Penn IUR to highlight the groundbreaking work of its associates. Launched in November 2012, *Urban Link* has 5,700 subscribers.

**PENN IUR BRIEFS**

The Penn IUR Briefs series brings leading scholarship on urban subjects to a broad audience. Launched in 2015, the series is written in a direct, readable style for professionals and academics. In its inaugural year, the series covered research on neighborhood change, Philadelphia's development challenges and triumphs, and shifting dynamics in the housing market.

**REVISTA ELECTRÓNICA**  
**DE INVESTIGACIÓN**  
**URBANA**

La revista electrónica (eJournal) de investigación urbana del Penn IUR, que se publica dos veces semanalmente a través de la Social Science Research Network (SSRN), colecta y distribuye nuevas investigaciones que toman en cuenta la gobernabilidad, la política, la economía, el diseño, y cuestiones sociales pertinentes a la urbanización global.

**ENLACE URBANO**

Enlace Urbano (o "Urban Link"), es el boletín informativo del Penn IUR. Urban Link, boletín electrónico mensual de Penn IUR, que reúne notas de expertos sobre tópicos relativos a cuestiones de urbanismo, enfatizando también noticias y eventos relacionados con el Penn IUR.

**DIFUSIÓN DE**  
**INFORMACIÓN DEL**  
**PENN IUR**

La difusión de información del Penn IUR (o "Penn IUR Briefs") reúne investigaciones sobresalientes sobre temas urbanos para una mayor audiencia. Desde el 2015, esta serie se redacta en estilo directo y legible para mayor comprensión de un amplio público de profesionales y académicos.



## GLOBAL URBAN COMMONS

The Global Urban Commons is a publicly accessible online directory of urban research centers and a source for information about global urban research. The Commons was created by Penn IUR in 2014 with seed funding from University of Pennsylvania Press and Rockefeller Foundation in response to scholar and practitioner requests for a platform to build awareness about the breadth and depth of global urban research. Penn IUR hosts, manages, and updates the site. The Commons is also the public face of the General Assembly of Partners (GAP), non-governmental constituent groups who are contributing to the Habitat III Conference and the New Urban Agenda. GAP, which was created by the UN's World Urban Campaign, consists of sixteen constituent groups. The portion of The Commons website dedicated to GAP is called Gap@TheCommons.

For more information, visit: [www.globalurbancommons.org](http://www.globalurbancommons.org).

### LOS COMUNES URBANOS GLOBALES

*Los Comunes Urbanos Globales (Global Urban Commons) es un directorio público en línea de los centros de investigación, así como un recurso para la información en torno a la investigación urbana global. Los Comunes es también la plataforma pública de la General Assembly of Partners (GAP), una asociación no gubernamental que contribuye también al Habitat III y a la Nueva Agenda Urbana.*

*Photo by Jesse Garrison,  
via Flickr.*

**"THE FORMAL-INFORMAL DISTINCTION, WHILE USEFUL, IS SOMETHING OF A FALSE DICHOTOMY. AS PUBLIC POLICY INTERVENES IN THE INFORMAL MARKET, THE OUTCOMES DO NOT NECESSARILY RESULT IN FORMALITY...BUT RATHER CREATE ENTIRELY NEW, HYBRID SYSTEMS OF REAL ESTATE, HOUSING, AND LABOR MARKETS THAT ARE PART OF THE FUTURE OF OUR COMPLEX URBAN WORLD."**

—EUGÉNIE BIRCH, SHAHANA CHATTARAJ, AND SUSAN WACHTER  
IN *SLUMS: HOW INFORMAL REAL ESTATE MARKETS WORK*  
(UNIVERSITY OF PENNSYLVANIA PRESS, 2016)





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ESTAN DESTACADA AQUÍ.**

**STEFAN AL | stefanal@design.upenn.edu**

Associate Professor of City and Regional Planning, School of Design

**ADAPTING CITIES TO SEA LEVEL RISE**

Sea level rise is impacting cities worldwide. Created as a resource for communities investing in flood management infrastructure, *Adapting Cities to Sea Level Rise* is a graphic report that catalogues best practices in building resiliency. In opposition to standard engineering solutions, this project argues for approaches that are nature-based, integrated with the public realm, and sensitive to local conditions and the community.

For more information, visit: [www.stefanal.com/news/2016/9/1/adapting-cities-to-sea-level-rise](http://www.stefanal.com/news/2016/9/1/adapting-cities-to-sea-level-rise).

**URBAN RECALIBRATION**

Coauthored by Robert Cervero (UC Berkeley), Stefan Al, and Erick Guerra, this forthcoming book illustrates the principles and practices of linking sustainable transport programs with placemaking. Traditionally, transport planning has sought to enhance mobility. Shifting the focus from movement alone to how destinations are accessed, however, leads to an entirely different framework for planning and designing cities and the infrastructure that serves them.

**VILLAGES IN THE CITY: A GUIDE TO SOUTH CHINA'S INFORMAL SETTLEMENTS**

*Villages in the City* examines the informal settlements that were originally situated along the peripheries of South China's cities, but which are being swallowed up by the region's rapidly expanding metropolitan areas. This edited volume argues for the value of these urban "villages," noting that—while they are typically very crowded and often do not meet building or health codes—they offer affordable, pedestrian-friendly, and well-located entry points for poor and struggling migrants to the city.

**CITATIONS**

Al, Stefan, ed. 2014. *Villages in the City: A Guide to South China's Informal Settlements*. Honolulu: University of Hawaii Press; Hong Kong University Press.

Cervero, Robert, Stefan Al, and Erick Guerra. Forthcoming 2017. *Urban Recalibration*. Washington, D.C.: Island Press.

**ABOUT**

Stefan Al is an architect and urban designer. His work is dedicated to researching, promoting, and building sustainable urban forms. He codesigned the 600-meter high Canton Tower, worked at the World Heritage Center of UNESCO, and served as an advisor to Hong Kong's Harbourfront Commission and Environment Bureau.

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**ADOPTAR LAS CIUDADES AL AUMENTO DEL NIVEL DEL MAR**

El aumento del nivel del mar impacta las ciudades a una escala global. Adoptar las ciudades al aumento del nivel del mar es un reportaje gráfico, creado como recurso para las comunidades dedicadas a la gestión e infraestructura de las inundaciones que cataloga las mejores prácticas en crecer la resiliencia.

**LA RECALIBRACIÓN URBANA**

Tradicionalmente, la planificación del transporte ha buscado mejorar la movilidad. Este libro muestra que al cambiar el foco exclusivamente puesto en el movimiento al acceso de destinos, se genera un marco de análisis completamente distinto para planificar y diseñar las ciudades y sus infraestructuras.

**PUEBLOS EN LA CIUDAD: UNA GUÍA PARA LOS ASENTAMIENTOS INFORMALES DEL SUR DE CHINA**

Pueblos en la ciudad examina los asentamientos informales que se situaron originalmente a lo largo de las periferias de las ciudades de la China del sur, pero que van desapareciendo con la expansión vertiginosa de las zonas metropolitanas.

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**CLIMATIC EFFECTS: ARCHITECTURE, MEDIA, AND THE GLOBALIZATION OF THE INTERNATIONAL STYLE**

This forthcoming book explores climate-focused architectural design methods from the 1930s to the 1960s. In this period, before mechanical heating and cooling systems were widely available, architects collaborated with meteorologists, cyberneticists, physiologists, and others to become experts on climate patterns. Interest in climate methods was international and robust, and the book examines examples in France, Brazil, Nigeria, India, the United States, and Australia, exploring the work of well-known architects as well as many not yet prominent in the historical record. The book primarily analyzes the images that were produced, reading architectural diagrams alongside charts, graphs, and other scientific visualizations to understand the wide-ranging technological discourse of the period. *Climatic Effects* argues that a new kind of architectural environmental media was disseminated, one that allowed for new conceptual frameworks around the figure of the environment in design, science, and social science and that reflected emergent aspirations in these disparate fields.

**CITATION**

Barber, Daniel A. Forthcoming 2018. *Climatic Effects: Architecture, Media, and the Globalization of the International Style*. Princeton, NJ: Princeton University Press.

**ABOUT**

Daniel Barber is an Alexander von Humboldt Research Fellow at the Rachel Carson Center. His book, *A House in the Sun: Modern Architecture and Solar Energy in the Cold War*, will be published by Oxford University Press this fall. He is an architectural historian with a research interest in the relationship between the design fields and the emergence of global environmental culture across the 20th century.

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**EFFECTOS CLIMÁTICOS: ARQUITECTURA, PRENSA, Y LA GLOBALIZACIÓN DEL ESTILO INTERNACIONAL**

Este libro de próxima aparición explora métodos de diseño arquitectónico que se enfocan en el clima entre los años 1930 a 1960. Éste documenta y analiza el discurso robusto y dinámico en torno al clima y la manera en que ha influenciado la modernización de la arquitectura.





**WILLIAM BRAHAM** | [brahamw@design.upenn.edu](mailto:brahamw@design.upenn.edu)  
Professor of Architecture, School of Design

#### OPTIMAL PATHWAYS TO GREENHOUSE GAS REDUCTION FOR THE GREATER PHILADELPHIA REGION

Cities shoulder the weight of societies grappling with climate change, as demonstrated by the pledges for local and subnational action embedded in the COP21 Paris Agreement. One of the greatest, unexamined assumptions of the COP21 agreement is the capacity of cities to carry out the promised actions; taking the COP21 implementation challenge seriously will require a deep interrogation of the political and economic mobilization needed to create sustained change at the urban level. William Braham leads this multi-disciplinary research project that mobilizes key stakeholders to meet the challenges of climate change, energy transition, and equitable development by examining the local impacts of various rates of decarbonization on economic, environmental, health, and other conditions at a regional scale. By examining different policy scenarios—each of which will generate different impacts and different emissions profiles—the Pathways Project seeks to enlighten local debates held worldwide.

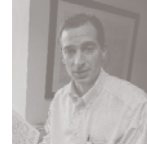
For more information, visit: [www.kleinmanenergy.upenn.edu/pathways](http://www.kleinmanenergy.upenn.edu/pathways).



#### ABOUT

William Braham teaches graduate courses on ecology, technology, and design. He directs the Master of Environmental Building Design and the Center for Environmental Building & Design.

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**CHARLES BRANAS** | [cbranas@upenn.edu](mailto:cbranas@upenn.edu)  
Professor of Epidemiology, Perelman School of Medicine

#### THE COST-BENEFIT OF REMEDIATING BLIGHTED URBAN ENVIRONMENTS AS A SOLUTION TO FIREARM VIOLENCE

This study sought to determine if remediation of abandoned buildings and vacant lots can be a cost-beneficial solution to firearm violence in U.S. cities by looking at the case of Philadelphia, Pennsylvania. Researchers analyzed the impacts and economic returns-on-investment of urban blight remediation programs involving 5,112 abandoned buildings and vacant lots of land on the occurrence of firearm and non-firearm violence. The study examined the occurrence of firearm and non-firearm violence before and after blight remediation (adjusting for sociodemographic factors). Blight remediation intervention for buildings entailed the installation of working doors and windows and cleaning facades and for lots entailed trash removal, land grading, planting grass and trees, and installation of low wooden post-and-rail fences. The study demonstrated that blighted buildings and vacant lots create physical opportunities for violence by sheltering illegal activities and illegal firearms and found that urban blight remediation programs can significantly and sustainably reduce violence.



#### CITATION

Branas C.C., M.C. Kondo, S.M. Murphy, E.C. South, and D. Polsky. Forthcoming 2016. "Urban Blight Remediation as a Cost-Beneficial Solution to Firearm Violence." *American Journal of Public Health*.

#### ABOUT

Charlie Branas works to improve health and healthcare and is recognized for his efforts to reduce violence and enhance emergency care. Much of his work incorporates human geography and place-based interventions. He directs Penn's Injury Science Center and Urban Health Lab.

**Website:** [www.med.upenn.edu/apps/faculty/index.php/g275/p18132](http://www.med.upenn.edu/apps/faculty/index.php/g275/p18132)

#### EL COSTO-BENEFICIO DE REMEDIAR ZONAS DE DETERIORO URBANO COMO SOLUCIÓN A LA VIOLENCIA DE ARMAS DE FUEGO

Este estudio busca determinar si reconstruir edificios abandonados y lotes vacíos es una solución de costo-beneficio para enfrentar la violencia de armas de fuego en ciudades norteamericanas. Aquí nos vamos a detener en el caso de la ciudad de Filadelfia en Pensilvania.

#### CAMINOS ÓPTIMOS PARA LA REDUCCIÓN DE GASES DE EFECTO INVERNADERO PARA EL ÁREA DE FILADELFA

Las ciudades sostienen el peso de las sociedades atravesadas por el cambio climático, como ha demostrado el acuerdo de París COP21. Este proyecto de investigación moviliza accionistas relevantes para enfrentar los retos del cambio climático, la transición energética, y el desarrollo en equidad examinando el impacto local de varios índices de descarbonización a escala regional.

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Assistant Professor of Sociology, School of Arts and Sciences

**STREET FIGHT: URBAN CLIMATE POLITICS IN AN AGE OF FINANCE AND REVOLT**

Cohen's 2016 doctoral dissertation from New York University, *Street Fight*, investigates the relationships among low-carbon policymaking, climate-linked extreme weather, and contentious politics in New York City and São Paulo. Cohen finds that, in both cities, housing-oriented movements play a much bigger role in low-carbon, pro-density politics than previously understood by either blocking low-carbon policies they oppose or joining coalitions to promote more equitable policy packages. Further, he finds that while climate-linked extreme weather does increase political attention to climate politics, it does so in counterproductive ways: after Hurricane Sandy, for instance, New York City focused narrowly on defensive adaptations that privileged the status quo over more far-reaching policies to slash carbon emissions while addressing social inequalities. *Street Fight* demonstrates that urban climate policymaking is most effective when it is equitable, when it addresses the concerns of the poor and working class, and when the policy process is inclusive.

**ABOUT**

Daniel Aldana Cohen teaches sociology at the University of Pennsylvania. He is co-host of *Hot & Bothered*, a podcast on climate politics, and a founding member of the Superstorm Research Lab. His writing on cities, social movements, and climate change has appeared in *Public Culture*, *Jacobin*, *Dissent*, *Metropolitics*, and elsewhere.

**Website:** [www.aldanacohen.com](http://www.aldanacohen.com)**LUCHA CALLEJERA: POLÍTICA CLIMÁTICA URBANA EN LA ERA DE LAS FINANZAS Y LAS REVUELTAS**

En la tesis doctoral de Cohen, *Lucha callejera* (Street Fight 2016), de la universidad de Nueva York, se investiga la relación entre las políticas de regulación de disminución de carbón, instancias de clima inclemente, y las regulaciones polémicas llevadas a cabo en ciudades como Nueva York y São Paulo.

**DAVID GOUVERNEUR** | [dgouverneur@gmail.com](mailto:dgouverneur@gmail.com)

Associate Professor of Practice, School of Design

**PLANNING AND DESIGN FOR FUTURE INFORMAL SETTLEMENTS: SHAPING THE SELF-CONSTRUCTED CITY**

One billion people now live in self-constructed settlements, a number that is expected to double over the next two decades. Conventional urban planning and housing policies have failed to address the challenges of informality, ignoring its benefits, its limitations, and the consequences of inaction. This book offers an alternative approach, arguing that emerging informal areas can evolve into compelling urban spaces that combine the vibrancy, flexibility, sense of place, and communal engagement of informal settlements with the benefits of cutting-edge planning and design. The book outlines the strategies necessary to realize equitable, ecological, and efficient, hybrid formal/informal, urban settlements.

**THE QUITO STUDIO: CONNECTIONS AT 9,000 FEET**

Instructed by David Gouverneur and Maria Altagracia Villalobos at the Penn School of Design, this landscape architecture graduate studio examined Quito, Ecuador, and the city's environment, morphology, and socioeconomic and political contexts. Recognizing that Quito is experiencing an unprecedented period of economic growth and proactive political leadership, the studio investigated the impacts of recent public initiatives intended to improve transportation, infrastructure, and services. To further these initiatives, students proposed a network of connections to enhance the city's natural and cultural landscape; articulate a robust system of public spaces, connecting formal and informal urban areas; and reduce inequalities by addressing risks posed by natural forces and changing climatic conditions. The following student projects were selected as finalists in the Biennial of Landscape Architecture, Barcelona 2016:

[www.arquitectes.cat/sites/default/files/escoles/obroc\\_18.pdf](http://www.arquitectes.cat/sites/default/files/escoles/obroc_18.pdf)

[www.arquitectes.cat/sites/default/files/escoles/lan\\_submission052111.pdf](http://www.arquitectes.cat/sites/default/files/escoles/lan_submission052111.pdf)

[www.arquitectes.cat/sites/default/files/escoles/wen\\_zhang\\_bcn2016.pdf](http://www.arquitectes.cat/sites/default/files/escoles/wen_zhang_bcn2016.pdf)

[www.arquitectes.cat/sites/default/files/escoles/sheng\\_cai\\_bcn201611.pdf](http://www.arquitectes.cat/sites/default/files/escoles/sheng_cai_bcn201611.pdf)

**CITATION**

Gouverneur, David. 2015. *Planning and Design for Future Informal Settlements: Shaping the Self-Constructed City*. New York: Routledge.

**ABOUT**

David Gouverneur's work focuses on urban plans and projects for historic districts, the rehabilitation of areas affected by natural events, improvement of and planning for informal settlements, and the rehabilitation of cultural landscapes.

**Website:** [www.design.upenn.edu/landscape-architecture/people/david-gouverneur](http://www.design.upenn.edu/landscape-architecture/people/david-gouverneur)**PLANIFICACIÓN Y DISEÑO DE ASENTAMIENTOS INFORMALES FUTUROS: MOLDEANDO LA CIUDAD AUTOCONSTRUIDA**

Hoy en día, un billón de personas viven en asentamientos autoconstruidos, una cifra que se espera que se duplique en las próximas dos décadas. Este libro enumera las estrategias necesarias para alcanzar formas de asentamientos urbanos tanto en equidad como ecológicas, eficientes, e híbridos formales/informales.

**EL ESTUDIO DE QUITO: CONEXIONES A 9000 PIES**

Este estudio graduado de 2016 de arquitectura paisajista examinó la ciudad de Quito en Ecuador y su medio ambiente, morfología, y contexto socioeconómico y político en un momento de crecimiento económico sin precedentes y de liderazgo político proactivo. Los estudiantes propusieron una red de conexiones para impulsar nuevas inversiones e iniciativas mientras mejoraban los recursos locales de la ciudad.



**ERICK GUERRA | [erickg@design.upenn.edu](mailto:erickg@design.upenn.edu)**

Assistant Professor of City and Regional Planning, School of Design

**ELECTRIC VEHICLES, AIR POLLUTION, AND THE MOTORCYCLE CITY**

This paper presents the results of a choice experiment to evaluate the extent to which electric motorcycles are a potential replacement for gasoline-powered motorcycles in Solo, Indonesia. The results indicate that, while a market for electric motorcycles almost certainly exists, their price and performance will have to be competitive with low-cost, gas-powered ones.

**HAS MEXICO CITY'S SHIFT TO COMMERCIALLY PRODUCED HOUSING INCREASED CAR OWNERSHIP AND CAR USE?**

Mexico City's principal form of housing production has shifted over the past two decades, with more households now purchasing houses in large, commercially built developments than moving into informal settlements. This study is the first to quantify differences in car ownership and use across households in informal settlements and commercial developments. It finds that households in commercial developments are likely to own more cars and drive more than similar households in informal settlements, when controlling for income and other factors.

**MEXICO CITY'S SUBURBAN LAND USE AND TRANSIT CONNECTION**

This study investigates the travel behavior and land-use effects of the first and only suburban high-capacity transit investment in Mexico City, Metro Line B. This study finds that Line B exemplifies the promise and problem with expanding high capacity transit into the suburbs: ridership is likely to be high but so will costs and subsidies, while the effects on car ownership and urban form are likely to be modest.

**CITATIONS**

Guerra, Erick. Forthcoming. "Electric Vehicles, Air Pollution, and the Motorcycle City: A Stated Preference Survey of Consumers' Willingness to Adopt Electric Motorcycles in Solo, Indonesia."

Guerra, Erick. 2015. "The Geography of Car Ownership in Mexico City: A Joint Model of Households' Residential Location and Car Ownership Decisions." *Journal of Transport Geography* 43 (February): 171–80.

Guerra, Erick. 2014. "Mexico City's Suburban Land Use and Transit Connection: The Effects of the Line B Metro Expansion." *Transport Policy* 32 (March): 105–14.

**ABOUT**

Erick Guerra teaches courses in transportation planning and quantitative methods of planning. His research focuses on the relationship between transportation infrastructure, land use, urban development, and travel behavior.

**Website:** [www.erickguerra.net](http://www.erickguerra.net)

**VEHÍCULOS ELÉCTRICOS, CONTAMINACIÓN ATMOSFÉRICA Y LA CIUDAD MOTOCICLETA**

Esta investigación presenta los resultados de un experimento para evaluar el grado en que las motocicletas eléctricas podrían reemplazar potencialmente las motocicletas alimentadas por gasolina en Solo, Indonesia.

**¿HA INCREMENTADO EL USO Y LA COMPRA DE AUTOMÓVILES EN LA CIUDAD DE MÉXICO A CAUSA DEL CAMBIO HACIA LA PRODUCCIÓN COMERCIAL DE LA VIVIENDA?**

La forma principal de la construcción de viviendas en la Ciudad de México se ha desplazado en las últimas dos décadas más hacia compras de casas en proyectos construidos comercialmente que hacia formas de asentamientos informales. Este estudio investiga la adquisición y uso de automóviles en asentamientos informales y proyectos comerciales.

**USO DE LA TIERRA SUBURBANA EN LA CIUDAD DE MÉXICO Y LA CONEXIÓN DE TRÁNSITO**

Este estudio se enfoca en estudiar los patrones de tránsito y los efectos del uso de la tierra en la primera y única inversión de tránsito de alta capacidad de metro línea B de la ciudad de México.

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**URBANIZATION, LAND TENURE SECURITY, AND VECTOR-BORNE CHAGAS DISEASE**

This study investigates the link between urbanization and vector-borne pathogens, specifically the link between urbanization and the spread of Chagas disease by the insect vector *Triatoma infestans*. Through a survey of households in Arequipa, Peru, the study finds that new urbanizations are free of vector infestations for decades, with disease transmission concentrated in more established communities. Researchers conclude that the increase in land tenure security during the course of urbanization, if not accompanied by reasonable and enforceable zoning codes, initiates an influx of construction materials, people and animals that creates fertile conditions for epidemics of Chagas disease.

For more information, visit: [www.chirimacha.com](http://www.chirimacha.com).

**CITATION**

Levy, Michael Z., Corentin M. Barbu, Ricardo Castillo-Neyra, Victor R. Quispe-Machaca, Jenny Ancca-Juarez, Patricia Escalante-Mejia, Katty Borrini-Mayori, Malwina Niemierko, Tarub S. Mabud, Jere R. Behrman, Cesar Naquira-Velarde, the Chagas Disease Working Group in Arequipa, Peru. 2014. "Urbanization, Land Tenure Security and Vector-Borne Chagas Disease." *Proceedings of the Royal Society B* 281 (1789).

**ABOUT**

Michael Levy works at the interface of epidemiology, ecology and statistics to understand and control vector-borne and other infectious diseases. He has focused his research the past 10 years on the control of urban Chagas disease transmission in Peru.

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**URBANIZACIÓN, SEGURIDAD DE TENENCIA DE LA TIERRA Y LA ENFERMEDAD DE CHAGAS**

Este estudio examina el nexo entre la urbanización y los portadores de patógenos, específicamente el nexo entre la urbanización y la expansión de la enfermedad Chagas a través del insecto portador *Triatoma infestans*.

Photo by Shawn Harquail, via Flickr.


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**AFRICA 2040: AN ATLAS OF SPECULATIVE URBANIZATION**

Many of the speculative urban development projects currently being pursued in Africa are not for the benefit of populations actually in need. Africa 2040 surveys large-scale speculative urbanization projects undertaken across the continent since 2005 and offers alternate futures for these projects by proposing adjustments to the planning, design, and construction conventions upon which they rely. The project draws lessons from similar speculative building pursuits undertaken in Spain, China, and the UAE during the first decade of the 21st century in order to identify and mitigate the social, environmental, and political risks that this approach to urbanization poses for Africa.

**THE CITY THAT NEVER WAS**

*The City That Never Was* explores the phenomenon of “speculative urbanization” and the implications of its recent proliferation for the urban design and planning professions. The book is in four parts: 1) the history of speculative building; 2) a discussion of radical urbanization in Spain between 1998 and 2008, with a focus on the political and economic motivations behind this transformation; 3) an exploration of five projects from the Madrid region that illustrate the physical consequences of speculative urbanization; and 4) a discussion of how urban design and planning might reform their modes of operation.

**CITATIONS**

Marcinkoski, Christopher. 2016. “Africa’s Speculative Urban Future.” Isabel Concheiro ed., *Tracés* (February): 16–21. For English translation, visit: [urbannext.net/african-speculative-urban-future](http://urbannext.net/african-speculative-urban-future).

Marcinkoski, Christopher. 2016. *The City That Never Was*. New York: Princeton Architectural Press.

**ABOUT**

Christopher Marcinkoski is a licensed architect and directs PORT | Urbanism, a leading-edge public realm and urban design consultancy. In 2015, he was awarded the Rome Prize in Landscape Architecture from the American Academy in Rome.

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Lecturer, Historic Preservation, School of Design

**MODERN ARCHITECTURE IN URBAN HERITAGE AREAS: QUITO**

This studio in the Penn School of Design’s Graduate Program in Historic Preservation explored urban regeneration in the Historic Center of Quito, Ecuador. The course investigated the opportunities for and challenges to sustainable conservation of Quito’s urban heritage areas through adaptive reuse of buildings and public spaces, an approach that responds to cities’ changing needs (in contrast to the traditional approach, which is based on the strict preservation of sites’ original uses and physical characteristics). Working closely with practitioners in charge of the conservation of Quito’s urban heritage areas, students analyzed conservation problems in situ, focusing on the valuation of the 20th century buildings and public spaces and recommending regulations and guidelines to manage contemporary interventions in the heritage areas. The students’ involvement in Quito is one result of an agreement between the Ecuadorian Ministry of Urban Development and Housing and the Program of Historic Preservation at the University of Pennsylvania.

For more information, visit: [www.design.upenn.edu/sites/default/files/uploads/Urban\\_Regeneration\\_in\\_Quito.pdf](http://www.design.upenn.edu/sites/default/files/uploads/Urban_Regeneration_in_Quito.pdf) (English)

[www.design.upenn.edu/sites/default/files/uploads/Urban\\_Regeneration\\_in\\_Quito\\_Spanish\\_Language.pdf](http://www.design.upenn.edu/sites/default/files/uploads/Urban_Regeneration_in_Quito_Spanish_Language.pdf) (Spanish)


**ABOUT**

Eduardo Rojas is an independent consultant specializing in urban development, heritage preservation, urban rehabilitation, low-income housing, and municipal governance.

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**ARQUITECTURA MODERNA EN ÁREAS DE PATRIMONIO URBANO: QUITO**

Este estudio graduado conducido por el programa graduado de preservación histórica de la escuela de diseño de Penn explora la regeneración urbana en el centro histórico de Quito, Ecuador. El proyecto investigó las oportunidades y los retos de la conservación sustentable en las áreas de patrimonio urbano de Quito a través del reutilización de edificios y espacios públicos en respuesta al cambio de las necesidades de la ciudad.

**ÁFRICA 2040: UN ATLAS DE LA URBANIZACIÓN ESPECULATIVA**

*África 2040 repasa proyectos de urbanización especulativa de grande escala llevados a cabo a lo largo de ese continente desde el 2005. El estudio ofrece futuros alternativos para estos proyectos al proponer ajustes a la planificación diseño y construcción de convenciones en las cuales están basadas.*

**LA CIUDAD QUE NUNCA FUE**

*La ciudad que nunca fue es un libro que explora el fenómeno de “la urbanización especulativa” y las implicaciones de su reciente proliferación a través de diseño urbano y las profesiones de planificación.*



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Professor of Anthropology, Undergraduate Chair, Department of Anthropology,  
School of Arts and Sciences

**GLOBALIZATION: THE CRUCIAL PHASE**

Rapid urban growth accelerates the exchange of ideas, expansion of social networks, and diversity of interactions that accompany globalization. Right now, more the half the world's population lives in cities, a proportion that will only increase over the next 50 years. The present century is therefore globalization's crucial phase—the period when the world's increasing interconnectedness may give rise to innovation and collaboration or it may intensify conflict and environmental disaster. Contributors to *Globalization* present a holistic and comprehensive understanding of the way the world is changing, revealing the changing scale of social, economic, and financial diversity; examining the impact of globalization on the environment, health, and nutrition; and considering initiatives to address the social problems and opportunities that arise from global migration. Bringing together scholars of anthropology and social science as well as law and medicine, this edited volume offers an interdisciplinary perspective on a period that will bring great challenges but also great potential.

**CITATION**

Spooner, Brian. 2016. *Globalization: The Crucial Phase*. Philadelphia: University of Pennsylvania Press.

**ABOUT**

Brian Spooner is a social anthropologist who studies the role of cities in the history of globalization. His major research activities have been in south and central Asia, where he has focused on urban investment in irrigation engineering and, more recently, on the relationship between literacy and the growth and proliferation of cities. His current project deals with changing modes of social interaction in non-Western global cities.

**Website:** [www.sas.upenn.edu/anthropology/people/spooner](http://www.sas.upenn.edu/anthropology/people/spooner)

**GLOBALIZACIÓN:  
LA FASE CRUCIAL**

*Los contribuyentes al libro Globalización presentan un acercamiento holístico y abarcador de la forma en que el mundo está cambiando, dando cuenta de esta forma de las transformaciones en la escala social económica y financiera. También examina el impacto de la globalización sobre el medio ambiente, la salud, y la nutrición, teniendo en cuenta las iniciativas para enfrentar los problemas sociales y las oportunidades que emergen de la migración global.*

**DANA TOMLIN | [tomlin.dana@verizon.net](mailto:tomlin.dana@verizon.net)**

Professor of Landscape Architecture, School of Design

**MODELLAB: A CLOUD-BASED PLATFORM FOR MAP ALGEBRA**

ModelLab is a cloud-based, geospatial modeling platform intended to bring the capabilities of the Map Algebra programming language to a broad community of both technical and non-technical users via applications on mobile devices. Leveraging U.S. National Aeronautics and Space Administration (NASA) and other Earth observation data sources, ModelLab enables the design, storage, and execution of geospatial models and algorithms for such uses as precision agriculture, simulation of tsunamis and floods, forecasting of crime or seismic risk, interpolating among field observations, and comparing coastal erosion patterns over time, among countless other applications. This software is being developed in collaboration with Azavea, Inc. with support from NASA.

For more information, visit: [www.azavea.com/projects/modellab/](http://www.azavea.com/projects/modellab/)

**RASTER FOUNDRY: AERIAL IMAGE PROCESSING IN THE CLOUD**

Raster Foundry is a cloud-based, geospatial data-processing platform. This software is intended to make large volumes of earth imagery and high-performance aerial image-analysis capabilities more readily accessible to a broad community of users. With advances in small satellite, drone, and sensor technology revolutionizing the Earth observation industry, high-resolution raster imagery is being generated in greater amounts and at higher resolutions than ever before. This has created the need for software tools that can help public and private organizations to access, analyze, edit, and apply it more effectively. Raster Foundry is being developed in collaboration with Azavea, Inc. and with support from the U.S. Department of Energy.

For more information, visit: [www.azavea.com/projects/raster-foundry-doe](http://www.azavea.com/projects/raster-foundry-doe).

**ABOUT**

Dana Tomlin's teaching and research focus is on the development and application of geographic information systems (GIS). As designer of the Map Analysis Package geographic information system (GIS), author of *GIS and Cartographic Modeling* (ESRI Press, 2012), and originator of the Map Algebra language embodied in most of today's image-based GIS software, he is recognized as one of the world's leading contributors to this field.

**Website:** [www.design.upenn.edu/landscape-architecture/people/c-dana-tomlin](http://www.design.upenn.edu/landscape-architecture/people/c-dana-tomlin)

**MODELLAB: UNA  
PLATAFORMA EN  
LA NUBE PARA  
MAP ÁLGEBRA**

*ModelLab es una plataforma en la nube, para fines geoespaciales, que intenta traer las posibilidades del lenguaje de programación Map Algebra a usuarios tanto de la comunidad técnica como no-técnica a través aplicaciones en los móviles.*

**RASTER FOUNDRY:  
PROCESAMIENTO  
DE IMAGEN AERIAL  
EN LA NUBE**

*Raster Foundry es una plataforma en la nube que procesa data geoespacial. El software tiene como propósito generar grandes volúmenes de imágenes de la tierra y generar análisis de imágenes de alto rendimiento fácilmente accesibles para una amplia comunidad de usuarios.*


**RICHARD WELLER | [rjweller@design.upenn.edu](mailto:rjweller@design.upenn.edu)**

*Martin and Margy Meyerson Chair of Urbanism; Professor and Chair of Landscape Architecture, School of Design*

**ATLAS FOR THE END OF THE WORLD: ATLAS FOR THE BEGINNING OF THE ANTHROPOCENE**

The Atlas is a collection of maps that help prioritize conservation. The Atlas shows the difference between the United Nations Convention on Biological Diversity (CBD) 2020 "Aichi" targets—aimed at protecting 17 percent of the world's terrestrial habitat, particularly in the world's 35 biodiversity hotspots (by definition the richest and most threatened biological regions on earth)—and what is actually protected on the ground, which falls far short. In addition, the Atlas includes maps of major cities within the biodiversity hotspots and their growth projections to 2030; these maps show that 244 of the 420 cities are on a collision course with some of the world's most valuable habitat. Finally, research for the Atlas for the End of the World reveals that very few of the nations within whose jurisdiction the biodiversity hotspots fall have any semblance of landscape or urban planning that references the Aichi targets.


**ABOUT**

Richard Weller has worked simultaneously as an academic and a consultant specializing in the formative stages of projects ranging from gardens to plazas, memorials, museums, suburbs and waterfronts. His research projects have involved scenario planning for cities, megaregions, and nations. His current work concerns the application of United Nations (CBD) biodiversity targets.

**Website:** [www.richardjweller.com](http://www.richardjweller.com)

**ATLAS PARA EL FIN DEL MUNDO: ATLAS PARA EL COMIENZO DEL ANTROPOCENO**

*El Atlas es una colección de mapas que ayudan a darle prioridad a la conservación. El Atlas muestra la diferencia entre la Convención sobre Diversidad Biológica (CBD) 2020 "Aichi" de las Naciones Unidas y lo que realmente se protege en los territorios, lo cual siempre permanece por debajo de las metas CBD.*

**"STAGGERING FIGURES INDICATE A GREAT DEMAND FOR INNOVATIVE APPROACHES TO HELP DIMINISH UNEQUAL LIVING CONDITIONS BETWEEN AFFLUENT NATIONS AND IMPOVERISHED STATES AND BETWEEN THE WEALTHY FORMAL DISTRICTS AND POOR SELF-CONSTRUCTED NEIGHBORHOODS THAT COMPRISE MOST CITIES OF THE DEVELOPING WORLD."**

—DAVID GOUVERNEUR IN *PLANNING AND DESIGN FOR FUTURE INFORMAL SETTLEMENTS: SHAPING THE SELF-CONSTRUCTED CITY* (ROUTLEDGE, 2015)



# ABOUT PENN IUR

**Penn IUR is a university-wide center whose research, convenings, and publications provide instruction and guidance for current and future decision-makers. It focuses on urban issues and public policy related to sustainable urban growth and development.**

As the global population becomes increasingly urban, understanding cities is vital to informed decision-making and public policy at the local, regional, national, and international levels. Affiliated with the 12 schools of the University of Pennsylvania and with the world of practice, Penn IUR fosters collaboration among scholars and policymakers across disciplines to address the needs of an increasingly urbanized society. By providing a forum for collaborative scholarship and instruction at Penn and beyond, Penn IUR stimulates research and engages with urban practitioners and policymakers to inform urban policy.

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courtesy of NASA.

# SOBRE PENN IUR

**Penn IUR es un centro universitario, cuya investigación, encuentros, y publicaciones fomentan el conocimiento y la guía para impactar en decisiones futuras y presentes de actores sociales. El instituto se enfoca en temas relativos al urbanismo y a las políticas públicas relacionadas con el desarrollo sustentable.**

En la medida en que la población global se vuelve principalmente urbana, nos parece que entender la naturaleza de las ciudades es vital para informar las decisiones públicas a nivel local, regional, nacional, o internacional. Afiliada con las doce facultades de la Universidad de Pensilvania, y en conexión con el mundo práctico, el Penn IUR fomenta la colaboración entre estudiosos y políticos en varias disciplinas, para así confrontar las necesidades de la creciente urbanización social. Al promover un foro de colaboración de investigación e instrucción en Penn y más allá de Penn, el Penn IUR facilita la investigación y el intercambio con técnicos urbanos y políticos, y de esta manera generar mejores políticas urbanas.

## ABOUT PENN IUR'S CO-DIRECTORS



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*Lawrence C. Nussdorf Professor of Urban Research and Education and Chair of the Graduate Group in City and Regional Planning, School of Design*

Eugénie Birch FAICP, RTPI (hon), cofounded and co-directs Penn IUR and coedits Penn IUR and Penn Press's *The City* in the 21st Century book series. She has served as Editor of the *Journal of the American Planning Association*, Chair of the Planning Accreditation Board, President of the Association of Collegiate Schools of Planning (ACSP), Society for American City and Regional Planning History (SACRPH), and the International Planning History Society (IPHS). Her awards include: Lawrence C. Gerkens Award in Planning History (SACRPH), Jay Chatterjee Award, Margarita McCoy Award, and Distinguished Educator Award (ACSP). Birch has served as a member of the New York City Planning Commission and of the jury to select the designers for the World Trade Center site. She is currently Chair of UN-HABITAT's World Urban Campaign and President of the General Assembly of Partners (GAP), which supports civil society stakeholder engagement and contributions to Habitat III.



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Susan Wachter cofounded and co-directs Penn IUR and coedits Penn IUR and Penn Press's *The City* in the 21st Century book series. She served as Assistant Secretary for Policy Development and Research, U.S. Department of Housing and Urban Development, from 1998 to 2001. In this role, she was the senior urban policy official and principal advisor to the Secretary on overall HUD policies and programs. She founded and currently directs Wharton's Geographical Information Systems Lab. She edited *Real Estate Economics* from 1997 to 1999 and currently serves on the editorial boards of several real estate journals. She is the author of more than 150 scholarly publications and the recipient of several awards for teaching excellence at The Wharton School. She recently coedited *Principles of Housing Finance Reform* with Joseph Tracy, which was published by Penn Press in 2016. Wachter is frequently asked to testify to Congress and to the media on real estate and housing issues.

# PENN'S GLOBAL REACH

*Penn is committed to using its research, expertise, and resources to make a positive contribution on peoples' lives around the world. Here is a sampling of Penn's innovative internationally-focused programs and institutes.*

# EL ALCANCE GLOBAL DE PENN

*Penn se compromete a usar sus investigaciones, saberes, y recursos para efectuar una contribución positiva en la vida de la personas en distintas partes del mundo. Aquí podemos ver una muestra de los innovadores programas e institutos internacionales.*

**PENN GLOBAL** provides strategic direction for Penn's global endeavors, collaborates with Schools and Centers across the University, and seeks to catalyze cross-school collaborations to integrate knowledge that addresses key issues. [global.upenn.edu](http://global.upenn.edu)

**CENTER FOR AFRICANA STUDIES** offers teaching and research on the multi-dimensional expressions of African-descended peoples throughout the Diaspora. [africana.sas.upenn.edu](http://africana.sas.upenn.edu)

**CENTER FOR ADVANCED STUDY OF INDIA** conducts policy-relevant research focused on the challenges facing contemporary India. [casi.sas.upenn.edu](http://casi.sas.upenn.edu)

**CENTER FOR EAST ASIAN STUDIES** supports and strengthens the study of China, Japan, Korea, and bordering areas through teaching and research activities. [www.ceas.sas.upenn.edu](http://www.ceas.sas.upenn.edu)

**CENTER FOR ENVIRONMENTAL BUILDING & DESIGN** is a faculty research unit at the School of Design dedicated to improving the environmental future of contemporary buildings and cities. [www.design.upenn.edu/cebd](http://www.design.upenn.edu/cebd)

**CENTER FOR GLOBAL COMMUNICATION STUDIES** provides international education and training in comparative media law and policy. [www.global.asc.upenn.edu](http://www.global.asc.upenn.edu)

**CENTER FOR GLOBAL WOMEN'S HEALTH** affords faculty and students with an interdisciplinary forum for collaborating on women's health scholarship, education, and clinical practice relevant to global issues. [www.nursing.upenn.edu/CGWH](http://www.nursing.upenn.edu/CGWH)

**CENTER FOR PUBLIC HEALTH INITIATIVES** fosters interdisciplinary research, education, and practice in public health. [www.cphi.upenn.edu](http://www.cphi.upenn.edu)

**CHRISTOPHER H. BROWNE CENTER FOR INTERNATIONAL POLITICS** promotes interdisciplinary research and teaching on issues of international relations, security, and political economy. [bc.sas.upenn.edu](http://bc.sas.upenn.edu)

**INITIATIVE FOR GLOBAL ENVIRONMENTAL LEADERSHIP** generates knowledge for business sustainability through world-class research, transformative teaching, and constructive dialogue. [igel.wharton.upenn.edu](http://igel.wharton.upenn.edu)

**JOSEPH H. LAUDER INSTITUTE FOR MANAGEMENT & INTERNATIONAL STUDIES** provides an integrated business education to a new generation of leaders coming of age in a rapidly globalizing world. [www.lauder.wharton.upenn.edu](http://www.lauder.wharton.upenn.edu)

**KLEINMAN CENTER FOR ENERGY POLICY** cultivates energy policy innovation and promotes its application—creating opportunities for students, researchers, and practitioners to debate viewpoints, explore options, and develop agendas for decision and action. [www.kleinmanenergy.upenn.edu](http://www.kleinmanenergy.upenn.edu)

**MIDDLE EAST CENTER** raises awareness about the unique circumstances of the Middle East and North Africa through educational outreach programming, special events, and academic lectures. [www.sas.upenn.edu/mec](http://www.sas.upenn.edu/mec)

**PERRY WORLD HOUSE** is a global policy research center that aims to advance interdisciplinary, policy-relevant research on the world's most urgent global challenges. [global.upenn.edu/perryworldhouse](http://global.upenn.edu/perryworldhouse)

**PENN MUSEUM OF ARCHAEOLOGY AND ANTHROPOLOGY** encapsulates and illustrates the human story. With roughly one million objects in its care, it is one of the world's great archaeology and anthropology research museums. [www.penn.museum](http://www.penn.museum)

**PENN WHARTON CHINA CENTER** represents a commitment to advance a long history of engagement with China by the Wharton School and Penn in an increasingly interconnected global environment. It provides support for collaborations between Penn's 12 schools and academic, government, and business partners throughout China. [pwcc.upenn.edu](http://pwcc.upenn.edu)

**RISK MANAGEMENT AND DECISION PROCESSES CENTER** produces basic and applied research to promote effective corporate and public policies for low-probability events with potentially catastrophic consequences. [riskcenter.wharton.upenn.edu](http://riskcenter.wharton.upenn.edu)

**UPENN MODEL UNITED NATIONS CONFERENCE** celebrates 50 years with a conference on November 10–13, 2016 in Philadelphia, Pennsylvania. The 16-member secretariat leads a staff of over 300 Penn students, the core of the UPMUNC experience. [www.upmunc.org](http://www.upmunc.org)





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